

IBM FileNet Image Services
Version 4.2

System Messages Handbook



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Note

Before using this information and the product it supports, read the information in "Notices" on page 813.

This edition applies to version 4.2 of IBM FileNet Image Services (product number 5724-R95) and to all subsequent releases and modifications until otherwise indicated in new editions.

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80,1,53	DOC_err_batch_not_open='Batch not open'	251
80,1,54	DOC_err_no_more_space='No more space in batch'	251
80,1,55	DOC_err_invalid_index_type='Invalid index type'	252
80,1,56	DOC_err_invalid_num_pages='Invalid number of pages'	252
80,1,57	DOC_err_req_cancelled='Request cancelled'	252
80,1,58	DOC_err_cant_lock='Cannot lock object into an ageable cache'	252
80,1,59	DOC_err_csum_inconsistent='If one page has a checksum, all pages must have checksums.'	253
80,1,60	DOC_err_bad_handle='Bad session handle passed to DOC'	253
80,1,61	DOC_err_dup_in_fast_batch='Duplicate write request detected during fast batch committal.'	253
80,1,62	DOC_err_interleave_single_side='Interleave count must be 1 for single-sided disks.'	253
80,1,63	DOC_err_zero_length_page='Page length of zero used to write a page.'	254
80,1,64	DOC_err_doc_exceed_4gb='Document is too big and has exceeded 4 GB.'	254
80,1,71	DOC_err_addr_to_string='Error in converting network address to a string'	254
80,1,72	DOC_err_unknown_protocol='Unknown protocol (not IPv4 or IPv6)'	255
80,1,73	DOC_err_string_to_addr='Error in converting string to network address'	255
80,1,74	DOC_err_unknown_addr_fmt='Unknown network address format'	255
80,1,75	DOC_err_address_error='network address error'	255
80,1,77	DOC_err_bad_num_doc_per_batch='Incorrect number of documents per batch is passed in.'	256
80,1,78	DOC_err_ce_exceed_docs_p_batch='Number of Documents per batch exceeded limit.'	256

80,1,79	DOC_err_invalid_ce_os_id='ce_os_id passed in is invalid.' 256
80,1,83	DOC_err_same_annot_guid_not_data='Found during ce annotation create reflecting to IS. Duplicate annotation found in MKF table. Same guid but different data' 257
80,1,84	DOC_err_same_annot_guid_not_security='Found during ce annotation create reflecting to IS. Duplicate annotation found in MKF table. Same guid but different security" 257
80,1,85	DOC_err_same_annot_guid_not_id='Found during ce annotation create reflecting to IS. Duplicate annotation found in MKF table. Same guid but different doc id or page number. ' 257
80,1,89	DOC_err_invalid_ce_guid='The format of the ce guid is invalid.' 258
80,1,90	DOC_err_del_dangling_annot='Successfully deleted a dangling annotation. Annotation that has no entry in DOCs table ' 258
80,1,92	DOC_err_annot_format_error='The annotation format is incorrect.' 258
80,1,94	DOC_err_annot_not_implemented='The annotation tag is not implemented.' 258
80,1,95	DOC_err_annot_invalid_class_ID='Invalid class ID. Unable to determine what type of annotation object.' 259
80,1,96	DOC_err_annot_dup_obj_found='Detect a duplicate object in an annotation' 259
80,1,98	DOC_err_annot_obj_diff_ce_dsa='Different annotation objects found between CE and IS.' 259
80,1,99	DOC_err_annot_miss_tag_on_CE='Unexpected missing tag either on the CE side. Cannot build annotation.' 259
80,1,100	DOC_err_annot_miss_tag_on_IS='Unexpected missing tag either on the IS side. Cannot build annotation' 260
80,1,101	DOC_err_internal_program_err='Internal program error. See syslog. 260

80,1,102	DOC_err_annot_IS_date_newer='Failed to update CE annotation on IS due to annotation date shown on IS newer than CE.'	260
80,1,103	DOC_err_func_not_support='This function is not supported or obsolete. See sys_log for details.'	261

BES (88) Messages 262

88,0,3	Invalid Batch Entry Services session number.	262
88,0,4	Attempt to allocate too many image identifiers.	262
88,0,5	Cannot perform this operation. No resources available.	262
88,0,6	This batch already exists.	262
88,0,7	This batch does not exist.	262
88,0,8	This batch is already in use.	262
88,0,9	This batch is not open.	262
88,0,10	This image already exists.	262
88,0,11	This image does not exist.	263
88,0,12	There is no transaction on this image.	263
88,0,13	Can't do requested operation when transaction in process on image.	263
88,0,14	This document already exists.	263
88,0,15	Attempt to put page into new document without removing from old.	263
88,0,16	Document does not exist.	263
88,0,17	Column name record does not exist.	263
88,0,18	Internal RPC error.	263
88,0,19	Debugging not turned on.	263
88,0,20	Not logged on to BES and/or MKF database.	263
88,0,21	Invalid batch type.	263
88,0,22	MKF Ctl record not found.	263

88,0,23	Index value record not found. 264
88,0,24	The relop parameter passed to BES_find_batches has an invalid value. 264
88,0,25	Attempt to create document with too many pages. 264
88,0,26	Attempt to create document with too many indices. 264
88,0,27	Attempt to compute batch totals on non-numeric field. 264
88,0,28	Invalid parameter passed to BES_update_doc: num_indices. 264
88,0,29	Invalid parameter passed to BES_update_doc: num_pages. 264
88,0,30	Invalid handle passed to BES. 264
88,0,31	Attempt to enqueue batch to invalid queue. 264
88,0,32	Attempt to commit batch when phase(s) not complete. 264
88,0,33	Attempt to commit batch when image(s) not verified. 265
88,0,34	Can't open batch when queue not equal to uncommit (1) or none (0). 265
88,0,35	Can't find required index for document when batch committed. 265
88,0,36	Batch total invalid when attempt made to commit batch. 265
88,0,37	Index not verified when attempt made to commit batch. 265
88,0,38	Attempt to create a batch with a batch name which is too long. 265
88,0,40	Attempt to read/write an image with an invalid batch capability. 265
88,0,41	A connection has previously been opened. 265
88,0,42	This connection is not open. 265
88,0,43	Invalid bulk data source. Should be bulk data immediate. 265
88,0,44	String passed across network exceeds maximum length. 265
88,0,45	Too many documents or pages in this batch. 265
88,0,46	Corrupted record in 'batch_image' table. 266

88,0,47	Can't delete image - - image is in document.	266
88,0,48	This image already has an index associated with it.	266
88,0,49	The image index value cannot exceed 239 bytes.	266
88,0,50	This image does not have an associated index value.	266
88,0,51	This batch entry session is in use by another client.	266
88,0,52	Internal BES error.	266
88,0,53	Invalid index type.	266
88,0,54	Committal failed. Check error status in documents.	266
88,0,55	Override flag cannot be TRUE if batch not locked.	266
88,0,56	Image buffer in read, write or update not allocated.	266
88,0,57	Error in committing to a compatible target IMS.	266
88,0,58	Attempt to create too many images for a batch.	267
88,0,59	Attempt to update operation on a batch opened as read only.	267
88,0,60	Batch is overridden by another user.	267
88,0,61	Access of read-only batch is denied; batch is in committal.	267
88,0,62	Write image is only permitted in update and create image.	267
88,0,63	Create image index is only allowed during image creation.	267
88,0,64	Document has no page.	267
88,0,65	Attempt to create a batch with a NULL or invalid batch name.	267
88,0,66	Attempt to move an image which is currently assigned to a doc.	267
88,0,67	Length of the index value is greater than the declared maximum.	267
88,0,68	The value of migrate_delay must be greater than or equal to - 1 and less then 2147483648.	267
88,0,69	Image id must be greater than ASE_INVALID_DOC_ID.	268
88,0,70	Message is for BES information and/or debugging purposes only.	268

88,0,71	Parent Folder Node does not exist. 268
88,0,72	Bad Folder path format. 268
88,0,73	Maximum Folder info data length exceeded. 268
88,0,74	Parent folder is a batch. This is not allowed. 268
88,0,75	Attempted to create a duplicate folder node. 268
88,0,76	No folder found. 268
88,0,77	Invalid object sequence number. Object sequence number 0 is invalid. 268
88,0,78	Object data too large. Max. length of object data is 800. 268
88,0,79	Invalid object type. 0 is invalid object type. 268
88,0,80	Object not in batch. 268
88,0,81	Folder node name exceeded the MAX limit. 268
88,0,82	Folder name has been changed. The update failed. 268
88,0,83	Invalid object Id. 269
88,0,84	Object data not found. 269
88,0,85	Attempt to delete a folder which is not empty. 269
88,0,86	No children found for a given folder node. 269
88,0,87	Invalid current phase (BES_COMMIT, BES_CATALOG or BES_RECOMMIT) of the source or destination batch for moving document between batches. 269
88,0,88	Invalid parameter was passed to folder APIs. 269
88,0,89	Passed null pointer for input or output for BES APIs. 269
88,0,90	Invalid document id passed to BES APIs. 269
88,0,91	When updating folder node to a batch node, it was found that it had a child node. 269
88,0,92	Invalid parameter was passed to object data APIs. 269
88,0,93	Invalid parameter was passed to image companion APIs. 269
88,0,94	Invalid image companion Id. (should be between 1 and 20) 269
88,0,95	Image companion does not exist. 269

88,0,96	Invalid last image companion Id. (should be between 0 and 19) 270
88,0,97	No companion object found for specified image. 270
88,0,98	Invalid call to BES_move_doc to move a document to the same batch. 270
88,0,99	When doing a folder update, the parent_id is found to be an ancestor of the folder node. Or if the parent_id is the same as the folder node id, this error will also be returned. This will prevent loops in the folder node parent child relationships. 270
88,0,100	The companion image already exists when calling BES_create_image_companion. 270
88,0,101	Invalid extended level. 270
88,0,102	No local Batch Services. 270
88,0,103	Buffer size is too big. 270
88,1,1	Incorrect abstract link version for BES. 270
88,1,10	BES is being used exclusively. 270
88,1,11	Exclusive use is denied. 270
88,1,12	Not exclusive logon; Exclusive logoff is denied. 270
88,1,13	The specified BES_info_spec contains invalid data, or is inconsistent with other data. 271
88,1,14	Invalid info_type. 271
88,1,15	The link-list of info received has too few elements. 271
88,1,16	The name is not in the expected format of obj:domain:org. 271

FP (89) Messages 272

89,0,1	Numeric range overflow. 273
89,0,2	Undefined numeric value. 273
89,0,3	Illegal numeric format. 273

89,0,4	Invalid numeric format mask. 273
89,0,5	Invalid packed-decimal style specification. 274
89,0,6	Packed-decimal digits specification out of range. 274
89,0,6	Packed-decimal digits specification out of range. 274
89,0,7	An input FP_number has an illegal value other than the canonical illegal value. 275
89,0,8	An input or output FP_number pointer is not aligned on a long-word boundary or is a null pointer. 275
89,0,1000	Bad version number for FP abstract. 275

INX (90) Messages 276

90,0,2	Invalid session handle. 278
90,0,3	Permission denied. 278
90,0,4	The session is already in use. 278
90,0,5	Duplicate database entry. 279
90,0,6	Requested record not found. 279
90,0,7	Record already locked. 280
90,0,8	Specified menu does not exist. 280
90,0,9	No folder with name and state specified exists. 280
90,0,10	Document not filed in specified folder. 280
90,0,11	Document already filed in specified folder. 281
90,0,12	Query specification is invalid. 281
90,0,13	There is no query in progress. An attempt was made to perform a query after the cursors were closed. 281
90,0,14	Cannot move/copy folder to its own descendant. 281
90,0,15	No capability (lock) obtained for operation. 282
90,0,16	Document index record is not valid. 282
90,0,17	Specified document class does not exist. 282
90,0,18	Specified index does not exist. 282

90,0,19	One or more required items is null. 283
90,0,20	Specified key does not exist. 283
90,0,21	The active session needs the same handle. An attempt was made to use the wrong Session Application Service (SAS) handle. 283
90,0,22	There are conflicting dates in the folder description. 283
90,0,23	Invalid retention base. 284
90,0,24	DIR not imported from an import batch. 284
90,0,25	Document ID number out of permitted range. 284
90,0,26	Values for pages outside of allowed range. 284
90,0,27	Index defined in document class twice. 285
90,0,28	More than allowed number of indexes for document class. 285
90,0,29	System index has wrong type or value. 285
90,0,30	Unknown system column. 285
90,0,31	Two values for the same index are in doc index record. 286
90,0,32	Invalid retention disposition. 286
90,0,33	Invalid index value type in doc index record. 286
90,0,34	Cannot delete doc – still in folders. 286
90,0,35	Direction value in query is invalid. 287
90,0,36	Current record value in query is invalid. 287
90,0,37	Unknown query filter operator. 287
90,0,40	Unrecognized value for document source. 287
90,0,41	Function is not implemented for portable database. 288
90,0,42	Cannot perform query on non-stored index. 288
90,0,43	Invalid document class name. 288
90,0,44	Folder is closed. 289
90,0,45	Query was interrupted. 289
90,0,46	Index in a DIR not defined in document class. 289
90,0,47	DIR update cannot change the document class. 290

90,0,48	Invalid capability type. 290
90,0,49	Attempt to create too many folder levels. 290
90,0,50	No more user columns available. 290
90,0,51	Invalid value(s) in folder description. 291
90,0,52	Deletion of non-empty folder (but not contents) requested. 291
90,0,53	Invalid folder name. 291
90,0,54	Cannot define system indexes in document class. 291
90,0,56	No cluster index is defined. 292
90,0,57	Cannot change document class ID. 292
90,0,58	Cannot change document class name. 292
90,0,59	Document class already exists. 293
90,0,60	Invalid type for user index. 293
90,0,61	Index cluster already exists. 293
90,0,62	Invalid capability for specified ID. 293
90,0,63	Capability not for cluster. 294
90,0,64	Document class not completely defined. 294
90,0,65	Index already exists. 294
90,0,66	Capability not for index. 294
90,0,67	Index is already inverted. 295
90,0,68	Operation is not allowed to a table which is in use by other process 295
90,0,69	Index is not inverted. 295
90,0,70	Invalid duplicates specification. 295
90,0,71	Cannot delete document - document is tabbed. 296
90,0,72	System index not allowed. 296
90,0,73	Menu not allowed for type. 296
90,0,74	Mask not allowed for type. 296
90,0,75	Length allowed for strings only. 297
90,0,76	Invalid index name. 297

90,0,77	Invalid security name. 297
90,0,78	Buf_len and row data are inconsistent. 297
90,0,80	Index has an invalid oracle type. 298
90,0,81	The Index IDs in dcl desc and aperixlocs are different. 298
90,0,82	The claim share count for dict_lock has overflowed. 298
90,0,83	The claim share count for dict_lock has underflowed. 298
90,0,84	Primary key condition is required to query Archive IS. 298
90,0,85	This index does not have validation table. 299
90,0,86	This document class does not have an aperture card file table. 299
90,0,88	Validation already exists. 299
90,0,89	Aperture card file already exists. 299
90,0,90	Aperture card index location already exists. 300
90,0,91	Validation not allowed for this index type. 300
90,0,92	The menu name must be alphanumeric. 300
90,0,93	Menu does not exist. 301
90,0,94	The validation table name must be alphanumeric. 301
90,0,95	Validation table does not exist. 301
90,0,96	The number of items in validation_tab(_items) are different. 301
90,0,97	The number of menu items in menu and menu_items are different. 302
90,0,98	Update operation not allowed since archiving is in progress. 302
90,0,99	Cluster space number is not zero relative: run dbupgrade. 302
90,0,100	The highest cluster space number has been reached 302
90,0,101	Renumbering of folder ordinal failed. 303
90,0,102	Operation not allowed since query is in progress. 303
90,0,103	Cannot delete cluster index while in use by document classes. Check the error log for their names. 303

90,0,104	Precision and scale specified in numeric index mask cause overflow. 304
90,0,105	Client software attempted to perform a logon to INX with INX_LOGON_USE_SCT_NAMES (pass access rights as names) set. This is prohibited. 304
90,0,108	Cannot delete menu while in use by an index(s). 304
90,0,109	Cannot delete validation table while in use by an index(s). 305
90,0,110	Courier reject message received, see error log for details. 305
90,0,1000	out of memory 305
90,0,1001	maximum token size exceeded. 305
90,0,1002	numeric constant pool overflow. 306
90,0,1003	string constant pool overflow. 306
90,0,1005	Simple condition parser error. 306
90,0,1006	Unacceptable first operator of range. 306
90,0,1007	Syntax error in first part of range definition. 306
90,0,1008	Unacceptable second operator of range. 306
90,0,1009	Syntax error in second part of range definition. 307
90,0,1010	Range parser error. 307
90,0,1011	Integer expected. 307
90,0,1012	Positive integer expected. 307
90,0,1013	KEYWORDS expected. 307
90,0,1014	Left parenthesis expected. 308
90,0,1015	More keywords than allowed by integer. 308
90,0,1016	String constant expected. 308
90,0,1017	Comma or right parenthesis expected. 308
90,0,1018	OF expected. 308
90,0,1019	Operand expected. 308
90,0,1020	Where condition, expression type mismatch. 309
90,0,1021	Where condition expression and operator incompatible. 309

90,0,1022	Illegal where condition – unexpected end.	309
90,0,1023	Illegal key constant.	309
90,0,1024	Illegal key constant, unparenthesized.	309
90,0,1025	Illegal key constant; comma or right paren expected.	310
90,0,1026	FIND expected.	310
90,0,1027	Identifier not a table id.	310
90,0,1028	Table id expected.	310
90,0,1029	VIA expected.	311
90,0,1030	Key identifier expected.	311
90,0,1031	Identifier expected.	311
90,0,1032	Key operator expected.	311
90,0,1033	Key condition expected.	311
90,0,1034	Range expected.	312
90,0,1035	Key value expected in range condition.	312
90,0,1036	Illegal key constant list.	312
90,0,1037	Parse stack overflow.	312
90,0,1038	Illegal syntax for query parameter.	312
90,0,1039	Illegal syntax for floating point constant.	312
90,0,1040	Illegal hex constant.	313
90,0,1041	Query parameters not implemented.	313
90,0,1042	internal op array overflow.	313
90,0,1043	Arithmetic operators not implemented.	313
90,0,1044	internal constants array overflow.	313
90,0,1045	Allocate constant error: unknown constant type.	314
90,0,1046	Missing right string quote.	314
90,0,1047	Deallocate constant error, index < 0.	314
90,0,1048	Illegal operator for date column.	314
90,0,1049	Illegal operator for time column.	314
90,0,1050	Date string not a constant.	314
90,0,1051	Time string not a constant.	315

90,0,1052	Numeric string not a constant. 315
90,0,1054	Unary operators not implemented. 315
90,0,1055	Identifier in where exp not db col id. 315
90,0,1056	Expression operand mismatch for menuchoice type. 315
90,0,1057	Illegal operator on menuchoice type. 316
90,0,1058	Too many elements in key constant. 316
90,0,1059	Too many keyword list constants. 316
90,0,1060	Multi-part keys not implemented. 317
90,0,1061	Length of parsed query area too small. 317
90,0,1062	More items in key constant than in key. 317
90,0,1063	Length of menu item 1 char. 317
90,0,1064	Illegal key constant type. 317
90,0,1065	This logical operator not implemented. 318
90,0,1066	illegal value for poolx. 318
90,0,1067	illegal db column type. 318
90,0,1068	illegal expression type. 318
90,0,1069	illegal what param to main. 318
90,0,1079	Error: MAXRESWD too small. 318
90,0,1080	Keyword lists not implemented. 319
90,0,1081	Illegal key condition type. 319
90,0,1083	Number of key items is wrong. 319
90,0,1084	Error: off end of area. 319
90,0,1085	Illegal key compare operator. 319
90,0,1086	Illegal id state for scanner. 320
90,0,1087	Extra stuff at end of key condition. 320
90,0,1089	F_DOCCLASSNAME mismatch: not stg const. 320
90,0,1090	F_DOCCLASSNAME illegal operator. 320
90,0,1092	Illegal use of DEFINED. 320
90,0,1093	menu item name not found. 320
90,0,1094	LIKE expected after NOT. 321

90,0,1095	Error: output unknown op. 321
90,0,1096	Illegal type left operand of binary op. 321
90,0,1097	F_DOCTYPE compared to expression of inappropriate type. 321
90,0,1098	F_DOCTYPE compared to expression using operator other than = or !=. 321
90,0,1099	F_DOCTYPE implementation error -- zero len constant string. 322
90,0,1100	F_DOCTYPE compared against a string that is too long. 322
90,0,1101	F_DOCTYPE compared against illegal string value. 322
90,0,1102	F_DOCTYPE != 'string' requires string length = 1. 322
90,1,1	Function is not implemented 323
90,1,2	Conversion from database type to INX type not supported. 323
90,1,3	Could not initialize server. 323
90,1,4	Incorrect data passed across network. 323
90,1,5	Received string which exceeds size of buffer. 324
90,1,6	Fork of child process failed. 324
90,1,7	Bad data found in database. 324
90,1,8	Internal error in index services. 324
90,1,9	Neither id nor name specified for dictionary get desc function. 325
90,1,10	Unrecognized version parameter on abst_link call. 325
90,1,11	No Courier connection open. 325
90,1,12	Already have Courier connection open. 326
90,1,13	Unknown remote procedure number presented to server. 326
90,1,14	Unknown Courier msg_type. 326
90,1,15	No dictionary for specified id. 326
90,1,16	INXI internal error in move_sys_col 327
90,1,17	Call to expand non-existent buffer made. 327

90,1,18	Requested service name does not exist. 327
90,1,19	Unrecognized INX service definition level in NCH record. 327
90,1,20	Only one INX background process to run per database. 328
90,1,21	Ran off end of import buffer. 328
90,1,22	Unrecognized IS definition in NCH record. 328
90,1,23	Attempt to get exclusive dictionary lock when lock is shared 329
90,1,25	Query result caused internal buffer to overflow. 329
90,1,26	Exceeded page size. DB2(R) support only. 329
90,1,27	A non-supported DB2 page size is detected. Image Services will not function correctly until after the page size is enlarged to 8K or greater. Contact DB Administrator to resolve this problem. If this is an upgrade, an export and reimport of the database may also be required. 329
90,1,35	This occurred because an attempt was made to update the retention of a document in an invalid way. Retention may not be shortened. Retention based on entry (CHRON) or closed (EBR) may not be changed to Active (EBR). These are invalid retention updates. 329
90,3,11	Illegal key condition type. 330
90,5,1	Activity Log count should never be greater than 1 per process. Abort due to software logic errors. 330
90,6,2	Document index data exceeds maximum size for export to CE 330
90,6,3	Only one CE Export process may run at one time. 331
90,6,4	User must have administrative privilege to run CE export tool 331
90,6,5	Invalid command-line arguments were specified to the CE export too 331
90,6,6	The specified document class configuration file (ce export) was not found 331

90,6,7	The ce export tool was unable to find the default IS system for the domain 332
90,6,8	The ce export tool was unable to retrieve a value for the default IS system 332
90,6,9	The ce export tool was unable to retrieve a description for the Index Server 332
90,6,10	The ce export tool was unable to retrieve an address for the Index Server 332
90,6,11	The ce export tool or INX_ce_log_doc entry point must run locally on the Index Server 333
90,6,12	The ce export tool was unable to install signal handlers (undefined) 333
90,6,13	The ce export tool did not detect a valid XML tag 333
90,6,14	The ce export tool encountered an invalid array index for an XML child tag 333
90,6,15	The ce export tool detected an invalid XML tag value 334
90,6,16	The ce export tool detected document class entries with overlapping document ranges 334
90,6,18	The ce export tool failed to process the document class 334
90,6,21	The Object Store GUID has not been configured on this IS system. 334
90,6,25	CE ID could not be found in the CE_ID_MAP table. 335
90,6,28	Invalid parameter passed to internal routine. See sys_log for explanation. 335
90,6,29	Invalid or unsupported action. See sys_log for explanation. 335
90,6,33	Object Store GUID duplicate. Object Store GUID is being used by another CE Domain. 335
90,6,35	Implicit delete of an Object Store is not allowed via the INX_ce_config_object_store_dcl_map entry point. The default Object Store must be first removed from IS by using the RAC IS Catalog Export Tool prior to this. 335

90,6,36	The Object Store to DCL map must first be configured via EM before default Object Store DCL can be set. The Object Store GUID has not been configured for the DCL. There is no entry in the CE_OS_DCL_MAP table. 336
90,6,38	Invalid GUID format. The following format is expected '{ - - - - }' 336
90,6,39	The export.xml file does not exist 336
90,6,40	Could not open export.xml file 337
90,6,41	No document classes specified for export 337
90,6,42	Could not delete export.xml file 337
90,6,43	Could not append status information to export_n.xml file 337
90,6,45	Document Class as indicated in the elog does not have a default Object Store configured. Use the RAC IS Catalog Export Tool to set the default Object Store. 338
90,6,46	The value of the magic number parameter is invalid 338
90,6,47	Specified CE domain name cannot be found or has duplicate entries. Please confirm the name is not NULL and correctly spelled. For duplicate entries, consult your service representative for correction actions. 338
90,6,48	Cannot determine time zone & daylight saving on the Root/Index Server. Please confirm the TZ environment variable is correctly set for UNIX; or the 'time zone' is correctly selected on Windows via Control Panel-> 'Date and Time' option. 338
90,6,49	The CFS-IS Import Agent encountered some configuration error. Refer to the error log on the Content Engine server for more information. The export log entry will not be deleted. 339
90,6,51	This indicates the request for this document has not been processed. 339
90,6,53	The specified num_dirs is incorrect/inconsistent. (API error) 339

90,6,54	No doctaba update will be done because the before image specified in the client's current DIR does not match the one in doctaba. 340
90,6,55	The specified total length does not match the sum of all individual record's length. This is usually a client error. (API error) 340
90,6,56	The specified total length does not match the sum of all individual record's length. This is usually a server calculation error. (API error) 340
90,6,57	The two lists of dirs that passed in to INX_update_DIRs do not have matching doc ids. (API error) 341
90,6,59	Cannot change the ce_os_id. 341
90,6,60	Client has attempted to send in more than 50 doctaba records in a batch to process. (API error) 341
90,6,61	IS programing error. See syslog. 341
90,6,63	Cannot change the key type other than to NULL type. 342
90,6,100	Skip delete since the ce_os_id passed in does not match this doctaba record. 342
90,6,101	Invalid ce_os_id. 342
90,6,102	Skip dereplicate since the ce_os_id passed in does not match this doctaba record. 342
90,6,152	Document object store not updated. 'Current' setting mismatch for existing document. 343
90,6,153	Document object store not updated. 'Original' setting mismatch for existing document. 343
90,6,154	Existing foreign document does not match expected results for CE object store. Doc_class setting and doctaba setting mismatch. 343
90,6,170	Invalid replication group action. 343

SEC (92) Messages 345

92,0,1	SEC error other than in protocol definition. 346
92,0,13	This object contains access restrictions which are not defined here. 346
92,0,14	Service logon may not be done after a SEC_logon. 346
92,0,15	The specified credential could not be found in the environment during logoff. Most likely the source credential data has been overwritten (as designed). 346
92,0,93	An invalid session number was supplied. 347
92,0,94	Invalid information type field. 347
92,0,95	The name provided is not of a valid syntax. 347
92,0,96	An invalid parameter was supplied. 347
92,0,97	Access to the security data base is refused. 348
92,0,98	A duplicate logon was performed. 348
92,0,99	The user has already reached the maximum allowable number of sessions. 348
92,0,100	Cannot remove inheritance if logged on. 348
92,0,101	Too many options were passed for this data structure. 349
92,0,102	An invalid object class was specified. 349
92,0,103	An invalid device class was specified. 349
92,0,104	An invalid administrative class was specified. 349
92,0,105	The current time is not within the restricted time range. 350
92,0,106	An invalid session override value was specified. 350
92,0,107	An invalid maxsessions value was passed to SEC. 350
92,0,108	A duplicate object already exists in the database. 350
92,0,109	The object name provided was in an incorrect format. 351
92,0,110	The comments length provided exceeded the maximum allowable length. 351
92,0,111	An invalid object filter was passed to SEC 351
92,0,112	An invalid system filter was passed to SEC. 351

92,0,113	An invalid log field was passed to SEC. 352
92,0,114	An invalid device security value was passed to SEC. 352
92,0,115	An invalid no-function-definition-ok value was passed to SEC. 352
92,0,116	The special character designator provided is not valid. 352
92,0,117	The minimum enforced password length in the system defaults is out of range. 353
92,0,118	An invalid password aging value was passed to SEC. 353
92,0,119	An invalid number of password attempts was passed to SEC. 353
92,0,120	An invalid password-suspending time was passed to SEC. 353
92,0,121	An invalid password-memory time limit was passed to SEC. 354
92,0,122	An incorrect key_num type was passed to SEC. 354
92,0,123	The member id and group id were identical. This is illegal. 354
92,0,124	The service specified does not exist. 354
92,0,125	The device security prevents access. 355
92,0,126	The object is required to be of the user class. 355
92,0,127	The device name provided is in an incorrect format. 355
92,0,128	A bad magic number was discovered in memory. 355
92,0,130	The account has expired and is no longer valid. 356
92,0,131	DN data exceeds maximum length allowed. 356
92,0,132	A bad service name was provided. 356
92,0,133	DN buffer size too short. 356
92,0,136	The function call executed is not legal. 357
92,0,138	The function name provided was in an invalid format. 357
92,0,139	The calculated duration of this logon instance has been exceeded. 357
92,0,140	The device specified has exceeded its expiration date. 357

92,0,141	The group specified has exceeded its expiration date.	358
92,0,142	The number of renewal days is out of range.	358
92,0,143	The specified grace period is out of range.	358
92,0,144	The specified number of failure minutes is out of range.	358
92,0,145	The parameter specified is not a search filter.	358
92,0,146	The primary group specified was not found.	359
92,0,147	The primary group specified is not a group.	359
92,0,148	The conditional operator specified is invalid.	359
92,0,149	An invalid system option was provided.	359
92,0,150	An invalid object option was provided.	360
92,0,151	The system defaults information could not be found.	360
92,0,152	The group information could not be found.	360
92,0,153	The deleted object information could not be found.	360
92,0,155	The groupmember in the data base already exists.	361
92,0,156	The specified object has already been deleted.	361
92,0,157	The specified system structure already exists in the data base.	361
92,0,158	The system option list provided is invalid.	361
92,0,159	An illegal value was provided for the annot_security field.	362
92,0,160	An illegal value was provided for the pwd_chg_upon_reset field.	362
92,0,166	The system language option is in an invalid format.	362
92,0,167	The specified function name was not found.	362
92,0,168	The specified function member combination was not found.	363
92,0,169	The specified function name already exists.	363
92,0,170	The specified function member combination already exists.	363
92,0,171	The function ids or member ids are outofsync.	363
92,0,172	The specified minute range is invalid.	364

92,0,173	The specified hour range is invalid. 364
92,0,174	The specified days of week range is invalid. 364
92,0,175	The executed entrypoint is not supported in this state. 364
92,0,176	The ssn stored in the handle is invalid. 364
92,0,177	The number of allowable failed password attempts has been exceeded. 365
92,0,178	The password has expired. 365
92,0,179	The specified password requires a special character. 365
92,0,180	The specified handle should be nonnull. 365
92,0,181	The buffer tag definition is not of a recognized type. 366
92,0,182	The object update is denied. 366
92,0,183	The member addition is denied. 366
92,0,184	The object delete is denied. 366
92,0,185	The termination of a logon is denied due to inadequate permissions. 367
92,0,186	The password update is denied due to inadequate permissions. 367
92,0,187	The attempt to delete a member of a group is denied. To delete a member from a group, you must have the Group administrative attribute assigned to your user ID. 367
92,0,188	The addition of the specified object is denied. 368
92,0,189	The user does not have the permissions to add a function. 368
92,0,190	The user does not have the permissions to delete a function. 368
92,0,191	The user does not have the permissions to add a function member. 369
92,0,192	The user does not have the permissions to delete a function member. 369
92,0,193	The terminal identifier maximum has been reached for this server. 369
92,0,194	An invalid terminal identifier was detected. 370

92,0,195	The member/group relationship in the groups table is out of sync. 370
92,0,197	Changing the primary group of a group is an illegal operation. 370
92,0,198	The concurrent license limit has been reached. 370
92,0,199	The terminal name provided is in an incorrect format. 371
92,0,201	The semantic use of the password option is invalid. 371
92,0,202	It is illegal to add or update the admin group. 371
92,0,203	It is not allowable to search for an object by expiration time. 371
92,0,204	It is not allowable to add or update an object by success_ where. 372
92,0,205	It is not allowable to add or update an object by failed_ where. 372
92,0,206	It is not allowable to add or update an object by its failure error. 372
92,0,207	It is not allowable to search for an object by its comment field. 372
92,0,208	It is illegal to set the admin class for a nonuser/system object. 373
92,0,209	It is not allowable to add or update the language of a nonuser/ system. 373
92,0,210	It is not allowable to set the device class for a nondevice/ system. 373
92,0,211	It is not allowable to change the object class of an existing object. 374
92,0,212	It is not allowable to set the maximum sessions for a device object. 374
92,0,213	It is illegal to specify a primary group for a group object. 374
92,0,214	An invalid time combination was specified for the dweek/min/ hour values. 375
92,0,215	The user does not have the admin permission to read the object. 375

92,0,216	The user does not have the admin permission to read the system defaults. 375
92,0,217	The user does not have the admin permission to read the member list. 376
92,0,218	The user does not have the admin permission to read the group list. The user must be of an administrative class to view groups. 376
92,0,219	The user does not have the admin permission to read the function list. The user must be of an administrative class to view function membership. 376
92,0,220	The user does not have the admin permission to read the function members. The user must be of an administrative class to view function membership. 377
92,0,221	The length of the password provided is out of range. A password should at least have a minimum length of that specified by the system defaults and cannot have a length greater than 8 characters. 377
92,0,222	An operation on the specified file failed. An error occurred attempting to open the specified file name. 377
92,0,223	The import version contained in the import file is not recognized. The import routine expects the export file to contain a version stamp of an explicit value. 378
92,0,224	The export file has a different default character set than the import system. It is required that an export/import be performed across systems which contain the same default character set. It is not possible to convert systems across different character sets due to encrypted password incompatibilities. 378
92,0,226	The import file is in an incorrect format. When the import routine attempts to parse the export file, it expects the information to be of certain sizes and in certain locations within the export file. If it encounters a conflict, then this error will occur. It is possible that the export file is corrupt, or that it has been manually edited. 379
92,0,227	There were missing or improper import parameters. 379

92,0,228	The domain length may not exceed 20 characters in length. 379
92,0,229	The import object class conflicts with that of an existing object. When the security service imports an object, it will look for objects of the same name within the import data base. If those objects exist, then it will compare the object class. If the object class is not the same, then the import will not continue. This check exists to protect conflicting membership (ie. a user cannot be made a member of a user). 380
92,0,230	An invalid security service name was provided. This error typically occurs when the security service expects to receive the service name as a parameter, but has received nothing instead. 380
92,0,231	A user who is not SysAdmin attempted to export the security data base. For the sake of security, SEC requires that only the SysAdmin user may perform this action. This prevents any user from being able to export a data base without being authenticated. 381
92,0,232	A user who is not SysAdmin attempted to import the security data base. For the sake of security, SEC requires that only the SysAdmin user may perform this action. This prevents any user from being able to import a data base without being authenticated. 381
92,0,234	The session handle is stale. The security service was rebooted. Typically, this error is seen only internal to the security service so that the client can determine if it needs to relogin to the security service after a server reboot. 382
92,0,235	The relogin information provided is inaccurate. Once the security service issues the SEC_err_stale_session, the client SEC code will attempt to relogin to the security service. If the information which is sent to the security service from the client is incorrect, then this error will occur. 382

92,0,236	The provided admin group does not exist in the security data base. The data base object table was searched for this object, however, it was not able to be found. 383
92,0,238	The provided admin group is not a group. 383
92,0,239	The encrypted password in the data base consists of nulls. 383
92,0,240	The concurrent license is either expired or missing. 383
92,0,241	The Map Principal to DN information could not be found. 384
92,0,242	The Map Principal to DN data already exists. 384
92,0,243	The CE Domain information could not be found. Make sure SEC_map tool is run to map between Image Services and CE users. 384
92,0,244	The CE Domain data already exists. 384
92,0,245	Error occurred in SEC_update_dn_by_id(). See SysLog 385
92,0,250	The fnfork program could not find the pid in the term_id list. 385
92,0,252	The specified session group does not exist in the security data base. 385
92,0,253	The session group supplied is not a group. 385
92,0,254	An illegal value was provided for the allow_override field. 386
92,0,255	It is illegal to add/update a session group for a group or device object. 386
92,0,259	The database map name already exists. 386
92,0,260	The dbinfo table search filter is not recognized. 386
92,0,261	The database password is in an incorrect format. 387
92,0,262	The database name provided is in an incorrect format. 387
92,0,263	The user does not have permission to delete a dbinfo record. 387
92,0,264	The user does not have permission to update a dbinfo record. 387

92,0,265	The user does not have permission to add a dbinfo record. 388
92,0,266	The user does not have permission to map to a db user. 388
92,0,267	The option specified is not valid. 388
92,0,268	It is illegal to specify a db name map for a nonuser. 388
92,0,269	The pointer passed is NULL. 389
92,0,270	The number of bytes value is zero. 389
92,0,272	Could not allocate global memory for terminal listing. 389
92,0,273	Could not get process create time in SEC. 389
92,0,274	Could not get process access token. 390
92,0,275	Could not get sufficient buffer for token stats. 390
92,0,276	Got error in GetTokenInformation. 390
92,0,278	Import database level does not match current database level. 390
92,0,279	Configuration error; service is remote 391
92,0,280	Could not make log directory. 391
92,0,281	Could not create README in log directory 391
92,0,282	Could not write README in log directory 391
92,0,283	The Db2 information could not be found. 392
92,0,285	DB2 password length reached maximum length. 392
92,0,286	DB2 acct name length reached maximum length. 392
92,0,287	The time between DB2 client and server is out of range. 392
92,0,288	The RM Configuration information could not be found. 393
92,0,289	The RM Configuration data already exists 393
92,0,290	The RM Configuration data is invalid. 394
92,0,291	Must be a member of group fnadmin to modify the Record Management settings. 394
92,0,292	A configured Record Management group was not found. It must be created using the security RM tool. 394
92,0,293	The extensible authentication library initialize entry point has returned an error. 395

92,0,294	The extensible authentication library has rejected the user credentials. 395
92,0,295	The extensible authentication library was passed invalid parameters. 396
92,0,296	Failed to determine authentication mode. The system will default to standard authentication. 396
92,0,297	Failed to install signal handlers (undefined). 396
92,0,298	Image Services has detected out of date client software. Please upgrade your client software before continuing. Check the Image Services Release Notes for more information. 396
92,0,299	The DN/CE_GUID pair to object id could not be found. 397
92,0,301	Must be root or fnsu to execute SEC_convert. 397
92,0,302	A bad character was detected. 397
92,0,303	A duplicate name exists. 397
92,0,304	A name exceeding 39 characters was found 398
92,0,305	Must be a member of group fnadmin to rebuild the security data base 398
92,0,308	User is not a member of group fnadmin, permission denied. 398
92,0,309	User is not root, permission denied 398
92,0,310	User is not SysAdmin, permission denied. 399
92,0,311	System command putenv failed. 399
92,0,312	Invalid option in fnfork/exec. 399
92,0,313	Exec() failed. 399
92,0,314	Fork() failed. 400
92,0,315	CreateProcess failed. 400
92,0,317	Zero session. 400
92,0,319	Unable to get valid logging queue 400
92,0,320	The functionality requested is not supported by present version of IMS server. 401

92,0,321	Custom password validation failed. The specified password does not meet policy requirements. Please check the password format rules and try again. 401
92,0,323	The common name to Image Services principal mapping record already exists. 401
92,0,324	Error occurred in SEC_update_prin_by_cn(). See SysLog. 402
92,0,326	The custom extensible authentication library has validated the user credentials, but a mapped security username was not found. 402
92,0,327	Must be a member of group fnadmin to use the SEC_map_ext_auth tool. 402
92,0,328	The extensible authentication library is missing an entry point. 403
92,0,329	The expected dn string is empty. 403
92,0,330	A duplicate dn/ce_domain_guid entry is found in SEC map table. 404
92,0,331	This command is only supported on local root Security server. 404
92,0,332	Cannot open duplicate dn report file. 404
92,0,333	User's password is not set in FIPS_ONLY mode. 404
92,0,401	Unable to access (rlwlm) Transparent Login DataBase. 405
92,0,402	User Transparent Login Credentials already deleted or do not exist. 405
92,0,450	Duplicate SLU encountered. 405
92,0,452	Unable to find time from the system. 405
92,0,453	Unable to find the SLU record. 406
92,0,454	SLU initialization in shared memory failed. 406
92,0,456	This user interface is only supported on WAL. 406
92,0,459	This is an invalid SLU type. 406
92,0,501	Failed to open registration database 406
92,0,502	Failed to query registration database 407

92,0,503	Failed to create thread local storage index	407
92,0,504	Failed to set value for thread local storage	407
92,0,505	Failed to get value for thread local storage	407
92,0,506	The pointer passed in for user name is NULL	407
92,0,507	Error returned from LogonUI	408
92,0,508	Failed to display copyright information.	408
92,0,509	User already logged on domain using different name or password doesn't match DB.	408
92,0,510	LogonUI was cancelled.	408
92,0,511	Failed to get the NT credential.	408
92,2,2	The password provided does not match that in the database.	409
92,2,4	The requested object does not have a membership intersection.	409
92,2,5	Read permission is denied.	409
92,2,6	Write permission is denied.	410
92,2,7	Append/execute permission is denied.	410
92,2,8	The user, group, or device object information could not be found.	410
92,2,10	SEC could not decode the access restrictions	411
92,2,11	The requesting user is not logged onto the security service.	411
92,2,12	The specified language name/language id was not found.	411

GDB (121) Messages 412

121,0,1	GDB level does not match.	414
121,0,2	Invalid option specified in GDB call.	414
121,0,3	No data found for fetch.	414
121,0,4	Variable not in select list.	414

121,0,5	Bad GDB function address. 414
121,0,6	Bad GDB logon handle. 415
121,0,7	Bad GDB statement handle. 415
121,0,8	Bind information not found in the list. 415
121,0,10	Bad DBMS specific logon handle. 415
121,0,11	Bad DBMS specific statement handle. 415
121,0,12	Function call is out of call sequence. 416
121,0,13	Number data has a bad format. 416
121,0,14	Integer overflow. 416
121,0,15	Buffer overflow. 416
121,0,16	Integrity constraint violation. This may happen when attempting to insert a NULL value for a column defined as NOT NULL, or supplying a duplicate value for a column constrained to contain only UNIQUE values, or violating another integrity constraint such as an explicit insert for an 'identity' column when IDENTITY_INSERT is set to off on MSSQL Server RDBMS. 416
121,0,17	Statement handle for current of is invalid. 417
121,0,18	Where current statement has not done fetch. 417
121,0,19	Bad SQL type encountered. 417
121,0,21	Fetch column value was truncated. 418
121,0,22	Table is busy, in use by others. 418
121,0,23	Table, or view, or sequence name specified does not exist. 418
121,0,28	Nonexistent user name is referenced. 418
121,0,41	DBMS is not available. 418
121,0,42	No more space in DBMS object. 419
121,0,43	A fatal error is returned from DBMS. 419
121,0,44	The fields in the alter table command cannot be modified. 419
121,0,45	Invalid GDB data type is specified. 419

121,0,46	Version mismatch in abst_link to GDB call.	420
121,0,47	Column name is missing or invalid.	420
121,0,50	GDB encountered an internal error, see error log for detail.	420
121,0,52	Cannot get error message from DBMS.	420
121,0,53	Invalid username or password is specified for log on to DBMS.	421
121,0,54	Transaction aborted by DBMS to resolve deadlock. Retry from beginning recommended.	421
121,0,55	Deadlock retry failed after number of attempts.	421
121,0,56	Received multiple results sets which is unsupported.	421
121,0,57	Database has rows to return when GDB does not expect them.	421
121,0,58	Expected blob data when there wasn't any.	422
121,0,59	Received DB-Library error. Check system log for more information.	422
121,0,60	Could not bind column to variable.	422
121,0,61	Could not send row to DBMS.	422
121,0,62	Could not allocate space for command buffer.	423
121,0,63	Could not send command to DBMS.	423
121,0,64	Failed to retrieve results from DBMS.	423
121,0,65	Could not write text or image data to DBMS.	423
121,0,66	Failed to retrieve row from DBMS.	424
121,0,67	Could not open cursor.	424
121,0,68	Could not update or delete where current of cursor.	424
121,0,69	Could not cancel current command.	424
121,0,70	Could not initialize bulk copying.	425
121,0,71	Could not close cursor.	425
121,0,72	Could not bind indicator variable.	425
121,0,73	Both primary and secondary passwords are invalid to connect to RDBMS.	425

121,0,74	Table row length exceeds the limit for the page size. 426
121,0,75	User account is set with incorrect environment variables. 426
121,0,76	The specified name is undefined and does not exist. The object name could be (for example) a sequence name or tablespace name. Make sure it is correctly specified. If it is a sequence object, make sure that you also have the right to perform the desired operation on this sequence. 426
121,0,77	Timeout while reconnecting to DB after connection loss. IS server was not able to reconnect to RDBMS server after the database connection loss. Most likely the database was not started up. Refer to accompanying messages for possible causes and correct them. 426
121,0,78	Client is required to re-issue operation after RDBMS connection loss. Image Services server was able to reconnect to RDBMS after its connection was lost. However, the original operation (such as query) cannot be correctly recovered until it is issued by client again. 427
121,1,1	An UPDATE or INSERT statement attempted to insert a duplicate key. 427
121,1,201	Control file 'nn' version nn incompatible with ORACLE version nn. 427
121,1,206	Error in writing control file 'name' (block nn, # blocks bb). 428
121,1,255	Error occurred during archival of log 'll', sequence # ss. 428
121,1,470	LGWR process terminated with error. 428
121,1,471	DBWR process terminated with error. 429
121,1,472	PMON process terminated with error. 429
121,1,474	SMON process terminated with error. 429
121,1,1005	Null password given; logon denied. 430
121,1,1033	ORACLE initialization or shutdown in progress. 431
121,1,1034	ORACLE not available. 431

121,1,1038	Cannot write database file version ff with Oracle version vv. 431
121,1,1039	Insufficient privileges on underlying objects of the view. 432
121,1,1079	ORACLE database was not properly created, operation aborted. 432
121,1,1104	Number of control files nn does not equal number for first instance nn 432
121,1,1107	Database must be mounted for media recovery. 433
121,1,1108	File nn is in media recovery. 433
121,1,1114	IO error writing blocks of file 'ff ' (block # nn, # blocks bb). 433
121,1,1115	IO error reading blocks from file 'ff ' (block # nn, # blocks bb). 434
121,1,1541	System tablespace cannot be brought offline; shut down if necessary. 434
121,1,1552	Cannot use system rollback segment for non-system tablespace. 435
121,1,1562	Failed to extend rollback segment (id = nn). 436
121,1,1578	ORACLE data block corrupted (file # ff, block # bb). 437
121,1,3113	End-of-file on communication channel. 437
121,1,3114	Not connected to Oracle. 437
121,7,65534	MSSQL error number is err_num from <MSSQL,7,err_num>. 437
121,9,65534	DB2 error occurred. 438
121,10,65534	Encountered DB2 error which was not from data source. 438
121,12,65534	Encountered MSSQL Server error which was not from data source. This error may be detected by ODBC driver. For detailed information, review the corresponding IBM/ FileNet syslog or Microsoft SQL Server documentation. 438
121,17,1	End of input expected. 439
121,17,2	Alias id expected. 439

121,17,3	Keyword 'allowed' expected.	439
121,17,4	Column id expected.	439
121,17,5	Colon expected.	440
121,17,6	Column name expected.	440
121,17,7	Column property expected.	440
121,17,8	Database expected.	440
121,17,9	Database id expected.	440
121,17,10	DBMS type expected.	441
121,17,11	Export command expected.	441
121,17,12	Global rule expected.	441
121,17,13	idsize number expected.	441
121,17,14	Keyword index expected.	442
121,17,15	Index id expected.	442
121,17,16	Index property expected.	442
121,17,17	Initial value expected.	442
121,17,18	Location id expected.	442
121,17,19	Maxextents value expected.	443
121,17,20	Next value expected.	443
121,17,21	Number value expected.	443
121,17,22	Owner expected.	443
121,17,23	Owner id expected.	444
121,17,24	Pctfree value expected.	444
121,17,25	Pctincrease value expected.	444
121,17,26	Column name for range expected.	444
121,17,27	Second table id expected.	444
121,17,28	Semi-colon expected.	445
121,17,29	Source DBMS expected.	445
121,17,30	Source expected.	445
121,17,31	Space value expected.	445
121,17,32	Step expected.	446

121,17,33	Step name expected.	446
121,17,34	Storage element expected.	446
121,17,35	Table condition expected.	446
121,17,36	Table expected.	446
121,17,37	Table id expected.	447
121,17,38	Table property expected.	447
121,17,39	Target number expected.	447
121,17,40	Timestamp value expected.	447
121,17,41	Upper or lower expected.	448
121,17,42	Where condition string expected.	448
121,17,43	Bad DBMS type.	448
121,17,44	Error: owner should match.	448
121,17,45	Add/delete specified twice.	448
121,17,46	Columns specified twice.	449
121,17,47	Identity specified twice.	449
121,17,48	Initial specified twice.	449
121,17,49	Length specified twice.	449
121,17,50	Maxextents specified twice.	449
121,17,51	Next specified twice.	450
121,17,52	Null specified twice.	450
121,17,53	Keyword numeric_columns specified twice.	450
121,17,54	Pctfree specified twice.	450
121,17,55	Pctincrease specified twice.	450
121,17,56	Precision or prec specified twice.	451
121,17,57	Scale specified twice.	451
121,17,58	Space specified twice.	451
121,17,59	Storage specified twice.	451
121,17,60	Unique specified twice.	452
121,17,61	User_index_mask specified twice.	452
121,17,62	Rule specified twice.	452

121,17,63	Incomplete column specification.	452
121,17,64	Length inappropriate for type.	452
121,17,65	Missing left bracket.	453
121,17,66	Missing right bracket.	453
121,17,67	No columns given for index.	453
121,17,68	Failed to open input file.	453
121,17,69	Aliasing not allowed for wildcard.	453
121,17,70	Type must be numeric.	454
121,17,71	Not implemented.	454
121,17,72	Precision/scale inappropriate for type.	454
121,17,73	Conflicting rules found.	454
121,17,74	Too many columns for index.	454
121,17,75	Too many owner rules.	455
121,17,76	Too many table rules.	455
121,17,77	Type specified twice.	455
121,17,78	Unexpected keyword.	455
121,17,79	Expected end of input.	455
121,17,80	Error: unknown column type.	456
121,17,81	Unknown column type.	456
121,17,82	Unknown source dbms.	456
121,17,83	Modifier id expected.	456
121,17,84	Table conditions not allowed for wildcard.	456
121,17,85	Keyword where specified twice.	457
121,17,86	Range specified twice.	457
121,17,87	Cannot specify the range and where.	457
121,17,88	Range must be for only table in step.	457
121,17,89	Error on file close.	457
121,17,90	Error: unknown column type.	458
121,17,91	Invalid directory magic number.	458
121,17,92	Invalid directory level number.	458

121,17,93	Invalid table header magic number. 458
121,17,94	Invalid table header level number. 458
121,17,95	Wrong identification number in restart file. 459
121,17,96	No known type found for column. 459
121,17,97	Name longer than allowed. 459
121,17,98	Translate option specified twice. 459
121,17,99	Keyword 'from' expected. 459
121,17,100	Name of character set expected. 460
121,17,101	Keyword 'to' expected. 460
121,17,102	Unknown character set for translation. 460
121,17,103	Write error. 460
121,17,104	Read error. 460
121,17,105	Index list given twice. 461
121,17,106	Named index not found. 461
121,17,107	Options expected. 461
121,17,108	Unknown job option. 461
121,17,109	Disk directory name expected. 461
121,17,110	Badly formed NCH Object Name. 462
121,17,111	Unknown device type. 462
121,17,112	Device specified twice. 462
121,17,113	No tape drive found in NCH. 462
121,17,114	End of file on input. 462
121,17,115	Invalid scan_init type. 463
121,17,116	BLOB key column name expected. 463
121,17,117	Keyword location specified twice. 463
121,17,118	Modifier specified twice. 463
121,17,119	Keyword 'exclude' is specified twice. 463
121,17,120	blob_key specified twice. 464
121,17,121	Exclude attribute must be specified alone. 464
121,17,123	Failed to open log file. 464

121,17,125	Unexpected io buffer type. 464
121,17,126	Network io buffer out of sequence. 464
121,17,127	The file is out of sync - wrong file received. 465
121,17,128	Invalid network buffer block type. 465
121,17,129	Failed to open network connection. 465
121,17,130	Network hostname expected. 465
121,17,131	Incorrect export/import coordination level received. 465
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121,17,137	Inconsistent timestamps (.def, .dat, restart). 466
121,17,138	Two restart row counts found - cannot resolve. 466
121,17,140	Step for restart not found. 467
121,17,141	Wrong row encountered. 467
121,17,142	Read error on restart file. 467
121,17,143	Inconsistent network restart info. 467
121,17,144	Where condition exceeds maximum length. 467
121,17,145	Pctused value expected. 468
121,17,146	Pctused specified twice. 468
121,17,147	Synonym specified twice. 468
121,17,148	Column in index not found in table. 468
121,17,149	Network close error. 468
121,17,150	Clustered/non_clustered specified twice. 469
121,17,151	Error reading rdbvers.glob file to determine SQL Server version. Run 'fn_build -a' to create the file if it does not exist. 469

OPM (130) Messages 470

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130,32,2	Insert the labeled optical media into the library.	471
130,32,3	Insert the labeled MSAR surface into the library.	471
130,33,1	Library calibration started.	471
130,33,2	Library calibration ended.	472
130,33,3	Identification of all media has started.	472
130,33,4	Identification of all media has ended.	472
130,33,5	All drives are disabled.	473
130,33,6	Found surface (formally unidentified).	473
130,33,7	Surface is lost (not where expected).	473
130,33,8	Surface to be ejected due to previous error.	474
130,33,9	Expected surface is different from found surface. Misidentified media is to be ejected.	474
130,33,10	Drive retry limit exceeded for media operation.	474
130,33,11	Drive disabled due to previous error.	475
130,33,14	A slot has been disabled.	475
130,33,15	Media formatting has started. This may take a while.	475
130,33,16	Media formatting has completed.	476
130,33,17	Identification of all media failed. Refer to log for details.	476
130,33,18	Surface is disabled for read and write.	476
130,33,19	Surface is disabled for write.	477
130,33,20	Library has been changed to normal mode.	477
130,33,21	Library has been changed to backup mode.	477
130,33,22	Library has been changed to disabled mode.	478
130,33,23	Library failed to change to normal mode.	478
130,33,24	Library failed to change to backup mode.	479
130,33,26	MSAR is in backup mode. Identification of all media cannot be completed.	479
130,33,27	No drives are available.	480

ARM (133) Messages 481

133,0,0	An error was encountered in the ARM routine.	482
133,0,2	Storage library broken.	482
133,0,3	Gripper empty.	483
133,0,4	Gripper full.	483
133,0,5	Slot empty.	483
133,0,6	Slot full.	484
133,0,7	Drive empty.	484
133,0,8	Drive full.	485
133,0,9	I/O station empty.	485
133,0,10	I/O station full.	485
133,0,11	Storage library disabled.	485
133,0,12	No such drive.	486
133,0,13	Drive broken.	486
133,0,16	Bad storage library status.	486
133,0,17	Can't enable optical gripper.	486
133,0,18	Error during the I/O station swap attempt	487
133,0,19	Media cannot be accepted because media is already in a storage library.	487
133,0,20	No slots available to hold media being input.	487
133,0,21	Illegal storage library command.	487
133,0,23	Storage library time-out error.	487
133,0,24	Wrong type of media mounted in drive.	488
133,0,25	This command not supported by the Rapid Changer.	488
133,0,32	Invalid drive for Rapid Changer.	488
133,0,33	Function is only applicable to Rapid Changer.	488
133,0,34	Door open.	488
133,0,35	Invalid slot number.	489

133,0,36	Accessed a storage library type which is not supported on this platform. 489
133,0,37	The inserted media is not the same type as that of the media family. 489
133,0,38	Media Out Of Place or up-side-down in slots. Rack 0 sensor intercepted. 489
133,0,39	The first destination of an exchange is empty. 490
133,0,41	The SCSI command data buffer not properly aligned. 490
133,0,43	Media is not accepted due to write incompatible to the Storage Library. 490
133,0,44	Media Out Of Place or up-side-down in slots. Rack 0 sensor intercepted. 490
133,0,45	Media Out Of Place or up-side-down in slots. Rack 1 sensor intercepted. 491
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133,0,51	Failed to eject an upsidedown media from drive. See sys log sense data. 492
133,0,52	Failed to initialize shuttle because some media are inserted incorrectly in slots. 492
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133,0,59 Attempted to insert incompatible media to drive. 494

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155,1,21 COR_Close: close connection without sending any
RPC 496

155,1,201 COR_Close: unexpected response to close request 497

155,1,206 COR_Close: close failed 497

155,2,2 COR_CrAprConn: maximum COR connections
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155,2,3 COR_CrAprConn: not enough memory for buffer. 497

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155,5,132 COR_Delete: A sequence of context-sensitive RPCs was not
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was closed 498

155,6,1 COR_DesAbort: bad cor handle 498

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155,18,26	COR_Listen: setsockopt(SO_KEEPALIVE) failed	505
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155,18,104	COR_Listen: accept failed	506
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155,18,107	COR_Listen: bind failed	506
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155,18,209	COR_Listen: COR_CrAprConn failed	508
155,18,215	COR_Listen process cannot create thread.	509
155,18,221	getpeername() failed in COR_Listen process.	509
155,18,222	select() failed in COR_Listen process.	509
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155,19,3	COR_Open: not enough memory for buffer	510
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155,20,1	COR_ReceiveMsg: bad cor handle	510
155,20,4	COR_ReceiveMsg: insufficient data	510
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155,20,100	COR_ReceiveMsg: unexpectedly receive a call message	511
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155,34,10	COR_BulkDataGet: wrong message type	517
155,34,11	COR_BulkDataGet: bad version number	517
155,34,13	COR_BulkDataGet: data is truncated.	517
155,34,14	COR_BulkDataGet: end of message	517
155,34,15	COR_BulkDataGet: abort message received	517
155,34,16	COR_BulkDataGet: reject message received	518
155,35,1	COR_BulkDataPut: bad cor handle	518
155,35,11	COR_BulkDataPut: bad version number	518
155,35,16	COR_BulkDataPut: reject message received	518
155,35,17	COR_BulkDataPut: abort packet received	518
155,36,1	COR_Flush: bad cor handle	519
155,37,1	COR_GetServerID: bad cor handle	519

155,40,1	COR_RcvMsgTimeOut: bad cor handle	519
155,40,4	COR_RcvMsgTimeOut: insufficient data	519
155,40,11	COR_RcvMsgTimeOut: bad version number	519
155,40,18	COR_RcvMsgTimeOut: timer expired before message arrives	520
155,40,207	COR_RcvMsgTimeOut: select failed	520
155,41,20	COR_Init: Bad command on file serverConfig	520
155,41,216	COR_Init: Abnormal Condition	520
155,41,218	COR_Init: No such host	520
155,41,219	COR abstract failed in LibMain() on Windows platform.	520
155,42,130	COR_SetContext: this function must not be called for a client-side connection	521
155,42,131	COR_SetContext: the value of the context parameter is invalid	521
155,202,3	COR_SerLongWords: not enough memory for buffer	521
155,209,3	COR_PutPacket: not enough memory for buffer	521
155,209,215	COR_PutPacket: system call failed.	521
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155,210,3	Address alias ring is corrupted in COR abstract.	522
155,210,100	The COR handle found in cor_GetTableEntry() is not in FREE state.	522
155,210,101	COR_init: msem_init failed	522
155,210,102	COR_init: cannot get interlock	522
155,210,103	COR_init: gethostid failed	523
155,210,104	COR_FunCrAprCon: break pipe failed	523
155,210,105	COR_Open: SPX_GS_DATASTREAM_TYPE ioctl failed	523
155,210,106	COR_FunBulkDataGet: unknown data stream type	523
155,210,107	cor_GetTableEntry: fatal error	523
155,210,108	cor_FreeTableEntry: fatal error	523

155,210,109	COR: cor_close got data; expected close reply	523
155,210,110	cor_GetNetData: address is not a valid shared memory address	524
155,210,111	COR: fn_alloc_sem for loopback lock failed	524
155,210,112	COR_GetAddress: illegal protocol	524
155,210,212	COR: TLI error	524
155,210,215	COR: A native system call has failed.	524
155,210,216	The COR handle to be returned in cor_FreeTableEntry() is not owned by the original thread or process or the COR handle is already in the free list.	525
155,210,217	COR: Connection abruptly closed by client	525
155,210,219	COR: Socket error	525
155,210,220	COR: clean COR table	525
155,211,100	pipe: socket failed	525
155,211,101	pipe: open operation failed	526
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155,211,105	pipe: listen operation failed	526
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155,211,107	pipe: fattach operation failed	526
155,211,108	pipe: chmod operation failed	526
155,211,109	pipe: fstat operation failed	527
155,211,110	pipe: unlink operation failed	527
155,211,111	pipe: accept operation failed	527
155,211,112	pipe: the connection failed	527
155,211,113	pipe: recmsg failed	527
155,211,114	pipe: I_RECVFD failed	527
155,211,115	pipe: pid dont match (pid does not match)	527
155,211,116	pipe: stream file does not exist	527

155,211,117	pipe: stream name does not match	528
155,211,118	pipe: not a valid pid	528
155,211,216	pipe: Abnormal Condition	528
155,212,0	COR: message reject because of invalid program number	528
155,212,1	COR: message reject because of invalid version number	528
155,212,2	COR: message reject because of invalid procedure number	528
155,212,3	COR: message reject because of bad arguments	528
155,212,4	COR: message reject because of no available resource	529
155,212,128	COR: message reject because of unspecified error	529
155,212,255	COR: message reject because of unknown error	529

NCH (156) Messages 530

156,0,0	Null or Bad parameters.	531
156,0,1	Abstract link failed due to version mismatch.	531
156,0,9	The specified address protocol is not supported.	531
156,0,24	<NCH,0,24> A network related error was encountered.	531
156,0,25	An exceptional condition was encountered and logged.	532
156,0,26	Unable to locate a NCH server for the specified domain.	532
156,0,27	The NCH database does not exist (OK during initialization).	534
156,0,28	NCH_daemon received a request containing an ill-formed domain name.	534
156,0,29	Unable to lookup a network address for the specified name.	534
156,0,31	User is not a member of the fnadmin group.	534
156,0,1002	nch_string_to_addr error.	535
156,0,1003	addr_to_string error.	535

156,1,1	Operation prevented by access controls. 535
156,1,2	Server too busy to service this request. 535
156,1,3	A required NCH server was found to be down. 535
156,1,4	Courier must be used for this operation. 536
156,1,5	Encountered an unsupported function or exception condition. 536
156,2,10	Illegal Property Value. 536
156,2,11	<NCH,2,11> Syntax error in an organization field. 536
156,2,12	Syntax error in an domain field. 537
156,2,13	Syntax error in an object field. 537
156,2,14	The name's organization does not exist. 537
156,2,15	The name's domain does not exist. 537
156,2,16	<NCH,2,16>The name's object does not exist. 538
156,3,21	The property was found to be of the wrong type. 538
156,4,30	The operation would not change the database. 538
156,4,31	More recent information was found in the database. 538
156,4,32	The particular object would have too much data associated with it. 539
156,4,33	The server's database is full. 539
156,5,0	The server does not handle the specified domain. 539

MKF (161) Messages 540

161,255,2	MKF: OS: file open error. 541
161,255,5	MKF: OS: file read or write error. 541
161,255,6	MKF: OS: no such device or address. (Write off end of partition?) 541
161,255,12	MKF: OS: out of main memory. 542
161,255,13	MKF: OS: permission denied error. 542
161,255,22	MKF: OS: invalid argument error. 542

161,255,23	MKF: OS: file table overflow.	542
161,255,24	MKF: OS has too many open files.	543
161,255,27	MKF: OS: file too large.	543
161,255,28	MKF: OS: no disk space left on write to file.	543
161,255,1001	MKF: Calling program passed interface level in the future...	544
161,255,1002	MKF: The row requested was not found.	544
161,255,1038	MKF: File names passed to MKF_open must be full path names.	545
161,255,1040	MKF: An operation was attempted on an MKF database before the database was initialized.	545
161,255,1041	MKF: The MKF database is shut down.	545
161,255,1042	MKF: The database is in a state unknown to MKF.	546
161,255,1045	MKF: Less than the requested number of bytes was returned by read.	546
161,255,1046	MKF: Less than the requested number of bytes written by write().	547
161,255,1060	MKF: End of file encountered.	547
161,255,1063	MKF: Cannot initialize database in its current state.	547
161,255,1071	MKF: Illegal database state transition.	548
161,255,1075	MKF: No more space in the database data files/partitions.	548
161,255,1147	MKF: Error writing to recovery log.	549
161,255,1148	MKF: First block of recovery log does not splice in...	549
161,255,1163	MKF: Control block level unknown to current version of MKF.	549
161,255,1178	MKF: Data disk read problem, and retry limit exceeded.	550
161,255,1179	MKF: Recovery log disk read problem, and retry limit exceeded.	550
161,255,1180	MKF: Before image journal disk read errors, retry limit exceeded.	550
161,255,1184	MKF: Intermittent disk read problem. Retry succeeded.	550

161,255,1198	MKF: Developer forced a dump by using a debugger.	551
161,255,1213	MKF: This error has an associated error log message...	551
161,255,1214	MKF: This error has an associated error log message...	551
161,255,1215	MKF: Retries exceeded for read-after-write.	551
161,255,1216	MKF: Read-after-write retry succeeded.	552
161,255,1217	MKF: Before images needed for crash recovery...	552
161,255,1228	MKF_import: bad input block size.	552
161,255,1229	MKF: MKF_import: bad input data format level.	552
161,255,1232	MKF_import: error reading restart file.	553
161,255,1233	MKF_import: error writing restart file.	553
161,255,1234	MKF_import: error creating restart file.	554
161,255,1238	MKF_import: syntax error in ASCII file of database description modifications.	554
161,255,1242	MKF: Attempt to start up more than one background cleanup process.	555
161,255,1243	MKF: MKF disk file or partition is not local to the current host.	555
161,255,1311	MBM: bad interface level on abst_link.	555
161,255,1314	MKF: online backup: bad interface level.	556
161,255,1323	MKF: restore online backup: database state bug.	556
161,255,1325	MKF: Attempt to run MKF_ddl or a restore after the database has been opened normally.	556
161,255,1327	MKF: The recovery log has wrapped around.	557
161,255,1334	MKF: After a restore, the recovery log spliced in.	557
161,255,1335	MKF: After a restore, the recovery log did not splice in.	558
161,255,2003	MKF_fixup: too many tables. Recompile with larger MAXRECTYPES val.	558
161,255,2012	MKF_fixup: insufficient scratch disk.	558
161,255,4002	MKF_zeroaij: out of local memory.	559
161,255,4004	MKF_zeroaij: short write.	559
161,255,5001	MKF_zeroaij: read error	559

161,255,5002	MKF_zeroaij: out of local memory	559
161,255,5004	MKF_zeroaij: short write	559
161,255,6006	MKF_verify: end of file encountered.	560

COLD (169) Messages 561

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169,1,2	Job file does not exist.	562
169,1,3	Invalid source name. Must be name of a tape service.	562
169,1,4	enable_ui must be TRUE if job name or data source is null.	563
169,1,5	Source must be T (tape) or D (disk file).	563
169,1,6	Line length cannot be zero.	563
169,1,7	enable_ui must be TRUE if file_name is NULL and source is disk.	564
169,1,8	Checkpoint file is invalid. The magic number is incorrect.	564
169,1,9	Log file is invalid. The magic number is incorrect.	564
169,1,10	Cannot find COLD report name after reading maximum no. of rows.	565
169,1,11	Non-fatal error(s) occurred. Check remainder of log file.	565
169,1,12	Invalid character in column one of line or wrong character translation selection check system log file.	566
169,1,13	COLD verification mode must be run on a display terminal.	566
169,1,14	Character set must be A (ASCII) or E (EBCDIC).	567
169,1,15	Channel control spacing passes the lines per page.	567
169,1,16	Channel control vertical tab, wrong line on output page.	567
169,1,17	Channel control vertical tab passes the line per page.	568
169,1,18	Conversion from OLD type to INX type not supported.	568
169,1,19	Doc has too many pages (> 1000).	568

169,1,20	No. of pages in the current batch exceeds 2000. 569
169,1,21	Attempt to write to a batch that is full. 569
169,1,22	The environment DISPLAY must be set to use X-window. 569
169,1,23	The major version of the report format has been changed. 570
169,1,24	The magic number of this file has been changed. 570
169,1,25	The specified print text width beginning at the starting column exceeds the line length. 570
169,1,26	Required index can't be null nor empty. 571
169,1,27	Document class definition has changed since this report format was built. You need to rebuild the document class. 571
169,1,28	Indexes have been added to and deleted from the document class of this report format since it was last saved. You MUST define the indexing information for the new indexes. 571
169,1,29	New indexes have been added to the document class of this report format since it was last saved. You MUST define the indexing information for this new index. 571
169,1,30	Indexes have been deleted from the document class of this report format since it was last saved. You SHOULD resave your report format. 572
169,1,31	The number of indexes in the document class of the report format exceeds the maximum allowable value. 572
169,1,32	Can't find eol string in this data file. 572
169,1,33	Can't find menu item in menu, use the first menu item as default. 572
169,1,34	Keyword not found. 572
169,1,35	Keyword index value not found. 572
169,1,36	COLD: Unable to find document class index. 573
169,1,37	Xcold_menu: Failed to link abstract in Xcold_menu. 573
169,1,38	Xcold_menu: Failed to abstract link to ERM. 573

169,1,39	Xcold_menu: Failed to abstract link to SEC	573
169,1,40	Xcold_menu: Unable to create default channel control file.	573
169,1,41	Xcold_menu: Fork and/or exec of child failed.	573
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169,1,43	COLD: Invalid function	574
169,1,44	COLD: Page cache is not large enough for data file. COLD 2 is retrying.	574
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169,1,46	Unable to create log file	574
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169,1,54	COLD: Number of document class exceeded the maximum	576
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169,1,59	The new image width after template alignment is not mod 16.	577
169,1,60	The template alignment changes has been cancelled by the user.	577
169,1,61	COLD: Unable to find the error record keywords in the log file.	577

169,1,62	COLD: The document specified in the template is not of type image. 577
169,1,63	COLD: The media that contains the document is not in the library. 577
169,1,64	Scalable font is not installed. 578
169,1,65	After the import, the term_code is 0 but no documents have been committed. Check the import log for other errors and correct the problem. The datafile is linked as error file so that it is available for retry. 578
169,1,66	Cold preview was cancelled by the user. The media which has the template was not in the library. 578
169,1,67	Cold preview/import has accumulate processing errors, Please check the log file for errors. 578
169,1,68	Insufficient data to complete the document: the index data in the document header is not the same with the index data in the report document format. Check the index page with the indices. 578
169,1,69	No document has been committed: the pages per document in Define Report Format has to include the pages of TOC. 579
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169,1,71	Cannot use scalable font in Preview. Either the font.dir is missing or xset fails to add the font path. 579
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192,4,3	TPI_GetPEPReq: No packet, timeout. 586
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202,0,3	A request for additional local process memory failed and resulted in an unknown error value. See error log for errno. 589
202,0,4	The code version of the abstract does not match that of its client. 589
202,0,5	The size of shared memory requested from getgloarea is too big. See error log for size restrictions. 590
202,0,6	The software limit of allotted shared memory segments has been exceeded. Run fn_edit to increase maximum shared memory. The FNSHMSEGSZ2 file may need to be set to a larger segment size. 590
202,0,7	A request for more shared memory failed. 590
202,0,8	An attempt was made to release shared memory owned by a different software component. 591
202,0,9	The process terminated abnormally due to encountering an unexpected error condition. 591
202,0,10	An invalid size parameter was used when attempting to allocate a shared memory segment. 591
202,0,11	The permissions requested by the process for the shared memory segment could not be granted by the system. 592
202,0,12	The maximum number of allowed shared memory identifiers has been exceeded. 593
202,0,13	The amount of available shared memory is not sufficient for the request. 593
202,0,14	An unknown error occurred when attempting to create a new shared memory segment. See error log for errno. 593
202,0,15	An invalid argument was used when attempting to attach (map) to a shared memory segment. 594

202,0,16	The requested operating permissions were denied for the process. 594
202,0,17	An attempt to attach to a shared memory segment failed because the size was too large. 594
202,0,18	The number of shared memory segments mapped to the calling process would exceed the system-imposed limit. 595
202,0,19	An unknown error occurred during a shared memory attach operation. See error log for errno. 595
202,0,20	An unknown IPC key was passed to fnc_get_key. 596
202,0,21	The system paging space is too low, and processes may be killed until enough paging space exists to meet the current request. It is suggested that the paging space be monitored (using 'lsps -a') and adjusted to address the needs of the software. 596
202,0,22	Mismatched data size between the application and the SysV library. The installed binaries may not be from the same release or fixpack. Update the software using the latest fixpack available. 596
202,0,23	Invalid shm_handle. 597
202,0,24	A shared memory operation failed. Refer to log. 597
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202,0,30	Memory corruption detected. Refer to error log. 598
202,0,33	Signal SIGQUIT was received. There should be a core file. 598
202,0,34	Signal SIGILL was received. There should be a core file. 598
202,0,35	Signal SIGTRAP was received. There should be a core file. 599
202,0,36	Signal SIGEMT was received. There should be a core file. 599

202,0,37	Signal SIGFPE was received. There should be a core file. 600
202,0,38	Signal SIGBUS was received. There should be a core file. 600
202,0,39	Signal SIGSYS was received. There should be a core file. 600
202,0,40	Signal SIGXCPU was received. There should be a core file. 601
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202,0,44	The entry point called has been deimplemented. 602
202,0,45	Bad magic number in the head memory link of area in Local Memory Context. 602
202,0,46	Bad magic number in the tail memory link of area in Local Memory Context. 602
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202,0,1004	FNL: global memory corrupt: bad inx in interlock validation field. 604
202,0,1005	FNL: bad interlock handle: stale (previously deallocated). 605
202,0,1006	FNL: alloc pros rec: bug: illegal wait type. 605

202,0,1008	FNL: no memory for process record chunks. 605
202,0,1009	FNL bug: process already linked into wait queue. 606
202,0,1010	FNL bug: process already unlinked from wait queue. 606
202,0,1011	FNL: release: kill(pid,SIGCONT) returned error. 606
202,0,1012	FNL: claimt: caller error: negative timeout parameter. 606
202,0,1013	FNL bug: release: empty claim q. 607
202,0,1014	FNL: release: caller error: release limit exceeded. 607
202,0,1015	FNL: caller error: too many releaseshare, or called before claimshare. 607
202,0,1016	FNL: getinterlock: bug: bad avail interlock list. 607
202,0,1017	FNL: capacity exceeded: too many interlocks. 608
202,0,1018	FNL: retinterlock: caller err: interlock already deallocated. 608
202,0,1021	FNL: claimshare: caller err: claim count for readers/writers > 1. 608
202,0,1022	FNL: bug: impossible condition occurred. 608
202,0,1023	FNL: bug: attempt to reinitialize FNL process globals. 609
202,0,1024	FNL: bug: claim count invariant condition violated. 609
202,0,1025	FNL: bug: claim queue invariant condition violated. 609
202,0,1028	FNL: bug: avail pros list/count inconsistent. 609
202,0,1029	FNL: bug: avail process record dope vector allocation err. 610
202,0,1030	FNL: info msg: NUM_CS_ILK too small. Increase and recompile. 610
202,0,1033	FNL: msgrcv is in an error loop. 610
202,0,1034	FNL: error returned from msgget. 611
202,0,1039	FNL: fork/exec of wal_daemon failed. 611
202,0,1040	FNL: process killed while waiting on deallocated interlock. 611
202,0,1041	FNL: process doomed because waiting on interlock being deallocated. 611

202,0,1042	FNL: process record already deallocated. 612
202,0,1043	FNL: bug: interlock not spin locked. 612
202,0,1044	FNL: bug: interlock not in its per-process interlock list. 612
202,0,1045	FNL: release(interlock) gives it to dead claimer process. 612
202,0,1046	FNL: releaseshare(interlock) gives it to dead claimer process. 613
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202,0,1049	FNL: Failed to send a message (msgsnd). 614
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202,0,1051	FNL: Information: This is not an error. 614
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202,0,2004	SHM DLL was not able to allocate process globals correctly 616
202,0,2005	An error occurred attempting to open a shared file mapping object 616
202,1,1	The semctl(2) call failed. Check the error number (errno) recorded in the syslog for the cause. 617
202,1,4	The semop(2) call failed while trying to claim a semaphore. Check the error number (errno) recorded in the syslog for the cause. 617
202,1,5	The semop(2) call failed while trying to release a semaphore. Check the error number (errno) recorded in the syslog for the cause. 617

202,1,7	The semop(2) call failed while trying to claim a system semaphore. Check the error number (errno) recorded in the syslog for the cause. 618
202,1,8	The semop(2) call failed while trying to release a system semaphore. Check the error number (errno) recorded in the syslog for the cause. 618
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202,1,2009	An error occurred attempting to open a process event object 622
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202,1,2011	An error occurred attempting to open a semaphore object 622
202,1,2012	An error occurred attempting to claim a semaphore object 622

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202,1,2015	An error occurred attempting to duplicate the handle of the current thread 623
202,3,1	getssn() call failed. Check the error log for details on the cause of the failure. 624
202,3,3	The getssn() routine should not be called directly by ISTK (WAL) clients 624
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202,4,2	XXX_init_V error: Version mis-match. Refer to error log. 624
202,4,3	XXX_init_V error: Bad parameter passed to signal(). 625
202,4,4	Callers can not link to SysV with abst_link or get_interface. Callers are already linked to SysV when their module loads. 625
202,4,5	End of entry point list reached. This is internal to SysV only. 625
202,4,6	Some required entry points are not supported by the target interface. 626
202,4,7	Entry point list contains illegal characters. Only 0..9, '-' and ',' OK. 626
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202,4,9	Abstract name is too long. 626
202,4,10	Interface name is too long. 627
202,4,11	The SysV internal abstract table is full. 627
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202,6,3	The current process is not registered. 630
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202,6,13	FNC error in fnc_net_address_to_string. 633
202,6,14	FNC error in fnc_string_to_net_address. 634
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202,6,18	A problem occurred reading data from a file. See the error log for details. 635
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202,9,1	The FNC abstract could not open a UDP socket to send a trap. 636
202,9,2	The FNC abstract could not bind to the trap socket. 636
202,9,3	The FNC abstract got an error writing to the trap socket. 637
202,9,4	Not really an error - just testing the trap mechanism... 637
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202,10,1	The native GUID generation function failed. 637
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202,10,3	The GUID string is invalid. 638
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FCL (202) Messages 642

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202,100,2 An invalid option was passed to the FCL abstract 643

202,100,3 The fork call failed in FCL_forkexec 643

202,100,4 The exec call failed in FCL_forkexec - child will abort 644

202,100,5 The CreateProcess call failed in FCL_forkexec 644

202,100,6 The wait call failed in FCL_forkexec 644

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202,100,11 Insufficient permission to open/read/write a file. 645

202,100,12 FCL: Tried to rename/create a file to an existing filename. 645

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202,100,14 FCL: File operation failed - file has too many links 646

202,100,15 FCL: An invalid drive letter was specified. 646

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202,100,18 FCL: Invalid operation attempted on a file or device 647

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202,100,20 FCL: system wide file handle limit had been exceeded! 648

202,100,21 FCL: per-process file handle limit had been exceeded! 648

202,100,22 FCL: An invalid file descriptor was passed to an FCL function. This could be a file permission problem (i.e. Attempting to write to a Read-Only file). 648

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203,4,5	RDB: Request for data denied.	655
203,4,7	RDB: Error linking abstracts.	655
203,4,11	RDB: The image resolution is not valid.	655
203,4,12	RDB: The requested font does not exist.	656
203,4,13	RDB: The default font does not exist.	656
203,4,14	RDB: Bad interface level on link.	656

203,4,15	RDB: Fail to create pix map. 657
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NLT (204) Messages 658

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204,0,2	One or more of the parameters are invalid, a required pointer was NULL. 660
204,0,3	NLT was unable to determine a system's default and former system character sets due to a network error. 661
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About this manual

The *FileNet Image Services System Messages Handbook* describes selected system messages the IBM® FileNet® Image Services software issues for System Administrators. This section describes the following:

- Related Documents
- Training
- Comments and Suggestions

Document revision history

Image Services version	Date	Comment
4.2	May 2011	Initial release.

Related documents

The following is a list of IS-related FileNet documents. To download IBM FileNet documentation from the IBM support page, see [**“Accessing IBM FileNet documentation” on page 124.**](#)

System Administrator’s Handbook

System Administrator’s Companion for UNIX

System Administrator’s Companion for Windows Server

System Tools Reference Manual

COLD Handbook

MSAR Procedures and Guidelines

Single Document Storage and Retrieval Procedures and Guidelines

Guidelines for Installing and Configuring IBM DB2 Software

Accessing IBM FileNet documentation

To access documentation for IBM FileNet Image Services products:

- 1 On the www.ibm.com website, enter “Image Services Documentation” in the search box on the menu bar.
- 2 Select **IBM - Product Documentation for FileNet Image Services** from the list of search results.

IBM FileNet Education

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Product consumability feedback

Help us identify product enhancements by taking a Consumability Survey (<http://www-306.ibm.com/software/data/info/consumability-survey/>). The results of this comprehensive survey are used by product development teams when planning future releases. Although we are especially interested in survey responses regarding the most recent product releases, we welcome your feedback on any of our products.

The survey will take approximately 30 minutes to complete and must be completed in a single session; there is no option to save a partially completed response.

Introduction

The Image Services software displays messages to provide information, indicate status, and alert you to error conditions.

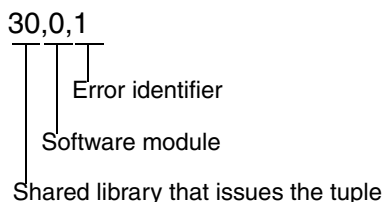
This handbook groups messages by the shared library which issues the messages. Each section begins with a brief functional description of the shared library, followed by a list of selected messages.

To help you understand system messages, this chapter presents the following topics:

- [**“Identifying Message Tuples” on page 127**](#)
- [**“Using fn_msg Tool” on page 127**](#)
- [**“Identifying Shared Libraries” on page 129**](#)
- [**“Referring to Message Descriptions” on page 131**](#)
- [**“Understanding Severity Levels” on page 131**](#)
- [**“Notifying Your Service Representative” on page 132**](#)

Identifying Message Tuples

Messages include a three-part numerical identifier called a tuple (for example, 30,0,1). The following diagram identifies each part of the tuple:



This handbook lists messages in numerical order by tuple.

Using `fn_msg` Tool

You can use the **fn_msg** tool to retrieve additional information for messages. Enter the following at the command line:

fn_msg <tuple>

where <tuple> is the three-part number preceding the message text.

For example, if you receive this message:

30,0,1 Optical disk drive not ready.

Enter this command to display additional information:

fn_msg 30,0,1

The following text displays:

```
<ODX,0,1> Drive not ready.  
This typically is an intermittent drive problem which can be recovered from by either  
retrying the I/O, or removing/reinserting the media in the drive and then retrying the I/O.
```

In this example, ODX indicates the issuing shared library is the Optical Disk Transfer, followed by additional information for resolving the error.

The system sometimes displays an error code as a single hexadecimal number, instead of displaying the three-part error tuple. You can use the **fn_msg** tool to interpret the hexadecimal version of the error tuple as well.

For example, the hexadecimal equivalent of the error tuple <30,0,1> is 0x1E000001. In this case, running any of the following commands produces the same text:

```
fn_msg 30,0,1  
fn_msg 0x1e000001  
fn_msg 1e000001
```

Note The **fn_msg** tool accepts hexadecimal values in either upper or lower case hexadecimal numbers and does not require leading **0x**'s.

Identifying Shared Libraries

Image Services shared libraries (previously called “abstracts”) issue informational, status, and error messages. The first part of each error tuple helps you identify the shared library that generated the error.

The following table lists shared libraries by the ID numbers displayed with each generated error tuple. The second column shows the message identifier displayed with the tuple description in response to the **fn_msg** command. The third column shows the name of the shared library or subsystem that generated the error tuple.

Image Services Shared Libraries Identified in First Part of Error Tuples

Tuple ID	fn_msg ID	Shared Library Name/Subsystem
15	SPP	Sequenced Packet Protocol
26	DC	Document Copy Services
30	ODX	Storage Library Media Errors
34	ERM	Error Maintenance
52	DLS	Document Locator Service
58	DT	Docs Table
63	SNT	Scalar Numbers Table
64	ODT	Optical Disk Table (DS II)
65	HLT	High Level Tasks (Document Services)
67	SCH	Scheduler (DS II)
72	FSM	FAX Server Manager
76	OSA	Optical Storage - DS II
79	CNF	Document Services Configuration
80	DOC	Document Services
87	PRI	Print Services
88	BES	Batch Entry Services

Image Services Shared Libraries Identified in First Part of Error Tuples

Tuple ID	fn_msg ID	Shared Library Name/Subsystem
89	FP	Floating Point Routines
90	INX	Index Services
92	SEC	Security Service
121	GDB	Generic Database Interface
130	OPM	Document Services Operator Messages Passing (DS II)
133	ARM	OSAR Arm Manager (DS II)
155	COR	Courier RPC Protocol
156	NCH	Network Clearing House Service
161	MKF	Multi-keyed Files
169	OLD	Computer Output to Laser Disk (COLD)
192	TPI	Transport Interface
202	FCL	FileNet Compatibility Layer
202	SysV	System V Miscellaneous Routines
203	GV	GV Subsystem — Graphics Utilities for System 5
204	NL	GL Subsystem — National Language Translation
212	CDB	Configuration Database
222	EBR	Enterprise Backup/Restore (BR2)
232	SLM	Software License Management
236	LSI	Library Surfaces Information
238	SDS	Single Document Storage

Referring to Message Descriptions

The messages included in this manual have been selected based on frequency of occurrence and the requirement for additional information in troubleshooting. Each message description includes the following:

- **Message** – The message text that displays on your screen, including the three-part error tuple (or message code) followed by the text of the message.
- **Cause** – An explanation of what occurred to trigger the message displayed.
- **Action** – Suggested corrective steps you can perform in response to the message.

Note

In some cases, an error message could have more than one cause. If the message cause and action statements do not adequately explain the system event that triggered an error tuple, contact your service representative.

Understanding Severity Levels

The system adds severity levels to some common error messages recorded in the system log file. These messages might show either the severity level number, type, or both number and type.

The following table describes the possible severity levels.

Log File Error Message Severity Levels

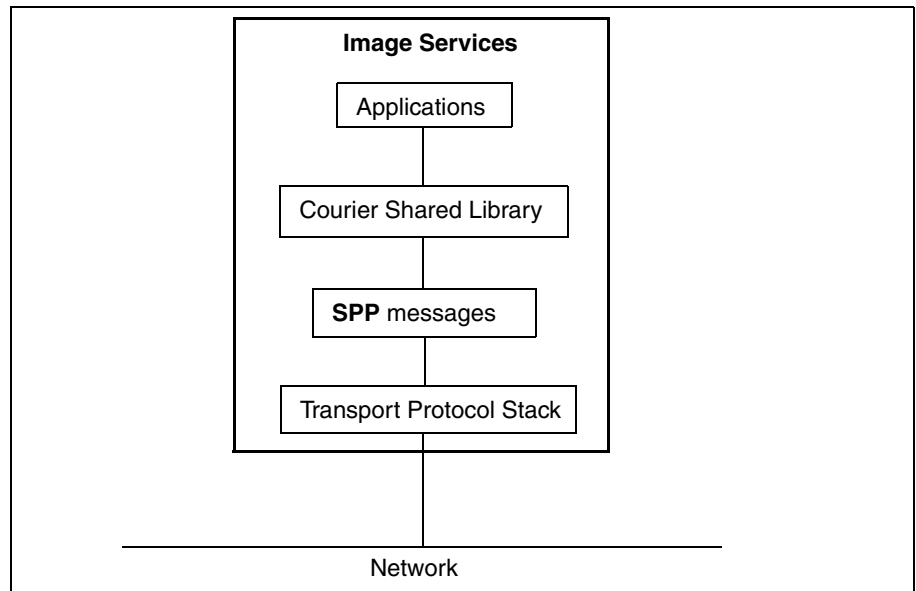
Number	Type	Description
1	INFO	This identifies an informational message that notes the occurrence of an important software event. This event is not an exception and does not require any operator intervention. For example, the system generates boot and security related messages for information only.
2	WARNING	This indicates a non-fatal exception or low resource condition which has caused or can soon cause production operation of Image Services to become blocked. This type of error requires prompt attention from the system administrator, but is not an immediately blocking problem. For example, the system generates warning messages when system resources are low or exceptions occur that the software can work around.
3	OPERATOR	This notifies the operator of a normal condition that requires intervention. For example, the system prompts the user when to insert another disk during an installation. This type of error could require immediate operator attention, but is a normal event, not an exception.
4	SERIOUS	This alerts you to a serious error described in the logged message. Notify your service representative when you receive messages logged with a serious severity level.
5	CRITICAL	This alerts you to an exception or out of resource condition that has caused or could soon cause one or more critical IS services to become disabled, or which has caused or could soon cause the loss of customer data. This type of error requires immediate attention from the system administrator.

Notifying Your Service Representative

If the suggested corrective steps for the message instruct you to notify your service representative, write down the tuple and message text. Your service representative requires this information to resolve the problem.

SPP (15) Messages

The Sequential Packet Protocol (SPP) messages indicate network errors. The transport protocol level generates SPP messages. The Courier shared library maps certain TCP errors to corresponding SPP tuples.



SPP messages diagram

SPP message codes begin with 15.

Note

The middle value in the following tuples can vary, although the same message text displays.

15,16,17**SPP_ErrNoOpenRp: No open reply received for open connect request.**

Cause: The client application did not respond to a connect request because of a network timeout or other network error.

Action: Verify the ephemeral ports and TCP settings on the client and FileNet Image Services server. Refer to network configuration sections of the FileNet Image Services Installation and Configuration Procedures document for instructions.

15,9,2**SPP_ErrAttnOutB: Attention pkt returned out-of-band.**

Cause: An application error occurred. The peer application (either client-side or server-side) terminated a bulk transfer by sending attention data.

Action: Examine client application and server logs to see if the application aborted abnormally.

15,9,8**SPP_ErrBadState: Invalid connect state for operation.**

Cause: A SubSystem Type (SST) value for close or close reply was received unexpectedly. The SubSystem Type is a field in the header that indicates when a connection is being closed.

Action: Examine the client application logs for the reason why the close was performed unexpectedly.

15,9,9**SPP_ErrConnTerm: Connection terminated before operation completed**

Cause: The client application might have closed the connection before the server response or a network error was encountered.

Action: Examine the client application logs to see if the application aborted abnormally.

15,9,12**SPP_ErrNewSST: Data stream type change returned.**

Cause: An application error occurred. An unexpected transition occurred between the Remote Procedure Call (RPC) dialogue and the bulk data transfer.

Action: Examine client application logs for the reason why the connection was terminated.

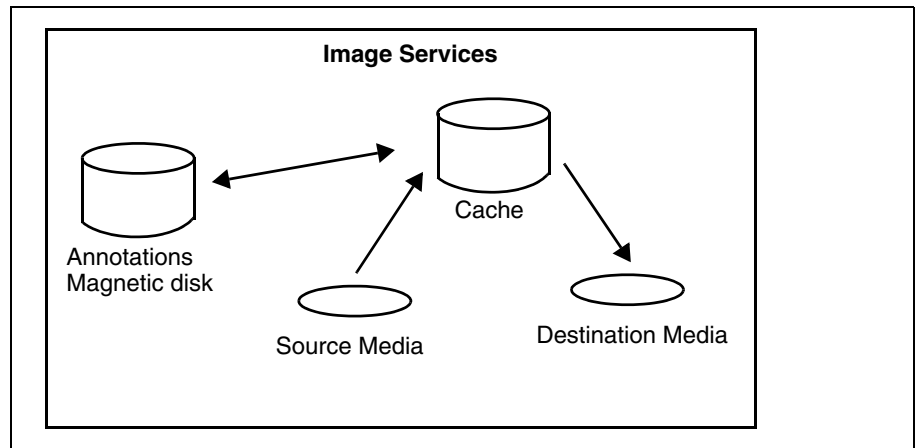
15,18,9**SPP_ErrConnTerm: Connection terminated before operation completed**

Cause: The client application might have closed the connection before the server response or a network error was encountered.

Action: Examine client application logs for the reason why the connection was terminated.

dccopy (26) Messages

The document copy (dccopy) shared library is a background process, started by the stdccopy utility or the Copy Documents option of the Background Job Control Program (BJC). The dccopy program copies documents and associated document annotations between media. The dccopy program retrieves the information from the source media into cache, then writes the information to the destination media, as shown below.



dccopy Shared Library Diagram

The dccopy shared library message tuples begin with 26. The following paragraphs provide information on selected tuples.

26,0,1**Invalid phase number.**

Cause: An internal software error occurred.

Action: View elog with the vl command for more information.

26,0,2**Invalid number of arguments on run command.**

Cause: There is probably a version mismatch between the BJC program and the doccopy program. This problem is typically the result of either an incomplete software installation, or a problem that occurred during an update of a single module in the system.

Action: Use the stamp tool to determine the current version of BJC and doccopy. Reconstruct the files by restoring your FileNet Release partition. If the problem persists, contact IBM Software Support for assistance.

26,0,3**Invalid job number on run command (not a number).**

Cause: There is probably a version mismatch between the BJC program and the doccopy program. This problem is typically the result of either an incomplete software installation, or a problem that occurred during an update of a single module in the system.

Action: Use the stamp tool to determine the current version of BJC and doccopy. Reconstruct the files by restoring your FileNet Release partition. If the problem persists, contact IBM Software Support for assistance.

26,0,4**Can't open/create 'CpyUid' file.**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX® Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,5**Can't write 'CpyUid' file.**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,6**Fsync failed on 'CpyUid' file**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,7**Read failed on 'CpyUid' file.**

Cause: This is a probable operator error. The file could have been deleted or the file could be corrupted.

Action: Verify the existence and integrity of the file. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,8**Logic error in document copy background process.**

Cause: An internal software error occurred.

Action: View elog with the vl command for more information.

26,0,9**Copy aborted via operator request.**

Cause: The operator cancelled the document copy operation.

Action: This is an informational message. A response is unnecessary.

26,0,10**Seek failed on 'CpyUid' file.**

Cause: This is a probable operator error. The file could have been deleted or the file could be corrupted.

Action: Verify the existence and integrity of the file. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,11**Write failed on log file.**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,12**Fsync failed on log file.**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,13**Can't determine size of 'CpyLog' file.**

Cause: This is a probable operator error. The file could be corrupted or the file could have been deleted.

Action: Verify the existence and integrity of the file. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,14**Can't seek to end of 'CpyLog' file.**

Cause: This is a probable operator error. The file could be corrupted or the file could have been deleted.

Action: Verify the existence and integrity of the file. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,15**Can't open/create log file.**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,16**Cache too full for copy to continue, copy waiting.**

Cause: The cache has not yet cleared out the documents copied to the target media. This condition is temporary and clears automatically.

Action: This is an informational message. A response is unnecessary.

26,0,17**Sort phase aborted due to error.**

Cause: An internal software error occurred.

Action: View elog with the vl command for more information.

26,0,18**Document not written on surface selected for copy.**

Cause: There were no documents on the selected media surface.

Action: Verify that the media surface number to be copied is correctly specified.

26,0,19**Could not open input file with document ids of documents to be copied.**

Cause: This is a probable operator error. The file you specified containing the document ID could have been deleted or the file could be corrupted.

Action: Verify the existence and integrity of the file. Check the syslog for an error message similar to the following:

Can't open input document id file (/dirname/filename), errno=29

Correct the file name and rerun the document copy job.

You can select Event Log from the Monitor menu of the Task Manager window. For information on the Task Manager, see the *System Administrator's Handbook*. To download IBM FileNet documentation from the IBM support page, see [**"Accessing IBM FileNet documentation" on page 124.**](#)

If the file is corrupted, contact the IBM Information Management support page ([**www.ibm.com/software/data/support**](http://www.ibm.com/software/data/support)).

26,0,20**Could not seek in input file of document ids.**

Cause: This is a probable operator error. The file could have been deleted. The file, if present, could be corrupted.

Action: Verify the existence and integrity of the file. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,21**Could not read input file of document ids.**

Cause: This is a probable operator error. You do not have read permission for the file. The document ID file name could be misspelled. The file could be corrupted.

Action: Verify the existence and integrity of the file. Ensure that the file permissions are properly set. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,22**Invalid document id in input file of document ids.**

Cause: An invalid document ID was placed into the file or the file could be corrupted.

Action: Verify the existence and integrity of the file. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,23**Failed to get memory via getarea.**

Cause: There is excessive activity on the server.

Action: Contact your service representative for assistance in tuning the performance of your system.

26,0,24**Transaction log does not have location of primary copy of document.**

Cause: You cannot specify to read the primary copy of a document, give a surface id of a transaction log media, specify use surface directory, and specify 'nodatabase'. Change any of the above four conditions and the copy will work

Action: Change any of the above four conditions and retry the copy operation. Refer to the *System Tools Reference Manual* for information on valid combinations of stdocopy parameters. For example, the following combination is valid: `–onecopy, –surface<surfaceid>, –findby surface`. However, adding the `–nodatabase` option to the above example invalidates the combination.

26,0,25**Cannot specify to move documents not in database.**

Cause: An illegal combination of parameters for the copy operation was specified. The stdocopy parameters `–updatedb` and `–nodatabase` were specified to move the documents (update the permanent database with new document locations when they are copied), and to copy documents not in the database.

Action: Change the copy parameters to a valid combination and retry the operation. Refer to the *System Tools Reference Manual* for stdocopy parameters.

26,0,26**Cannot copy more than 4 million documents with a single copy job.**

Cause: The maximum allowable number of documents to be copied has been exceeded.

Action: Reduce the number of documents to below four million (4,000,000) and retry the copy operation.

26,0,27**Can't open 'CpyAnt' file for annotations.**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,28**Can't lseek in 'CpyAnt' file.**

Cause: This is a probable operator error. The file could have been deleted or the file could be corrupted.

Action: Verify the existence and integrity of the file. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,29**Can't read from 'CpyAnt' file.**

Cause: This is a probable operator error. You do not have read permission for the file. The file could have been deleted or the file could be corrupted.

Action: Verify the existence and integrity of the file. Ensure that the file permissions are properly set. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,30**Can't write to 'CpyAnt' file.**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,31**Can't fsync 'CpyAnt' file.**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,32**Can't copy annotations with other options specified.**

Cause: Cannot copy annotations when 'output_origloc' = TRUE, 'use-surfsdir' = TRUE, and 'noolddocs' = FALSE, because the output family is not designated. These values are set as a result of specifying the -usecluster, -findby surface, and -nodatabase options.

Action: Cannot copy annotations if you specify the -usecluster parameter. Change the parameters to a valid combination and retry the operation. Refer to the *System Tools Reference Manual* for stdocopy parameters.

26,0,33

**Bad server id in either FLT or SLT.
A bad server id (0) is in either FLT or SLT, or FLT has
'num_ids' = 0.**

Cause: The system-assigned Storage Library server ID is invalid (contains an ID of 0) in either the family locator (family_locator) table or surface locator (surf_locator) table, or the family locator table has a num_ids value of zero (0). This is probably an internal error with the System Configuration software that occurred during configuration of a multiple Storage Library server environment.

Action: Contact IBM Software Support for assistance.

26,0,34

**Input surface must reside on local Storage Library
Server for type of copy selected.**

Cause: The document copy program is unable to read the surface directory of media from a remote Storage Library server.

Action: Start this copy operation locally (on the Storage Library server where the surface is located).

26,0,35**Output family id must be on the local Storage Library Server for the type of copy selected.**

Cause: An attempt was made to copy documents and annotations to a remote Storage Library server. Documents can be written to a remote Storage Library server. However, annotations, which reside in a magnetic disk database, cannot be written remotely. The document copy program is unable to copy annotations from the surface directory to a disk on a remote Storage Library server.

Action: Change the copy request to indicate only the documents in the database, and retry the copy operation. Alternatively, you can copy the annotations to a disk family that is local to the local Storage Library server.

26,0,36**Illegal options for erase media.**

Cause: This message can display for various reasons, including the following:

- A surface ID was not specified (rather, a file was specified that contained document IDs).
- The `-updatedb` option was not specified.
- The doccopy program cannot determine whether both sides were copied when you specified a file containing document IDs. For example, an interruption in the document copy operation could have occurred, resulting in an incomplete copy of all documents, or you specified that documents from side A only be copied. A disk can only be erased after all documents on either side B, or sides A and B, are copied.

Action: Retry the media copy, then retry the media erasure. If the condition persists, contact your service representative for assistance.

26,0,37**Can't open 'Update Short Descriptor' file**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact your service representative for assistance. See the Configuration Editor online help.

26,0,38**Can't lseek in 'Update Short Descriptor' file**

Cause: This is a probable operator error. The file could have been deleted or the file could be corrupted.

Action: Verify the existence and integrity of the file. If the file is missing, rerun the document copy job. If the file is corrupted, contact IBM Software Support for assistance.

26,0,40**Can't write to 'Update Short Descriptor' file**

Cause: The local file system does not contain enough free space to complete the operation.

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager

program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact IBM Software Support for assistance. See the Configuration Editor online help.

26,0,42**Can't create 'Update Short Descriptor' file**

Cause: The local file system does not contain enough free space to complete the operation.\

Action: Run the df utility to verify the amount of available space in the local file system. If the file system is full, remove any unnecessary files, then enter the sync command to flush the memory buffers. If there is still inadequate space, use your system administration manager program (for example, SMIT on the AIX Series 6000 or SAM on the HP 9000/800) and the Configuration Editor to increase the size of your local file system or contact IBM Software Support for assistance. See the Configuration Editor online help.

26,0,47**The Document Copy program is unable to copy updated short descriptors from remote disk(s).**

Cause: An attempt was made to copy updated short descriptors from remote disk(s). If the source disk(s) has updates, the -newindexes option is not selected, and the source disk(s) is remote, this error will occur.

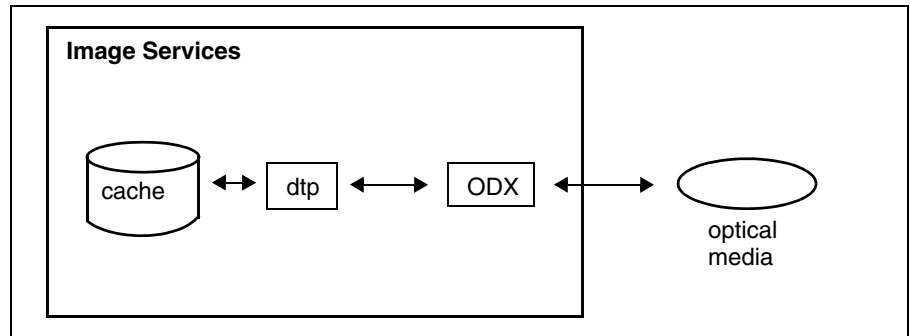
Action: There are several ways around this:

- Move the remote source disk to a library attached to the local Storage Library server.

- Run **stdoccopy/Xbjc** on the same Storage Library server as the source disk.
- Use the **-newindexes** option when invoking stdoccopy or select “Update document indexes with current information” in Xbjc.
- If the **-newindexes** operation cannot be used as described in the previous bullet because there are no entries in the Index database, the source surface(s) must first be imported, then copied with the **-newindexes** option.

ODX (30) Messages

The Optical Disk Transfer (ODX) shared library manages data transfers between the optical media and the magnetic storage media, the cache for optical libraries, and the cache for MSAR libraries.



ODX Shared Library Diagram

This section has information about ODX error codes, which begin with “30.” Each entry has an error code, an error message, a possible cause, and an action.

30,0,1**Drive not ready.**

Cause: The optical drive has not sent a ready status to the server.

Action: This message typically indicates that the optical drive has encountered an intermittent hardware error. However, the software automatically retries the operation between 5 and 10 times and attempts to recover from the error by completing one of the following operations:

- Writing to another area of the optical disk
- Reading from an alternate copy of the data
- Ejecting the optical disk

If the system does not recover from the error:

- Remove, clean, and reinsert the optical disk into the drive and then retry the I/O operation.

or

- Review the current event log and other recent event logs for information that might identify the cause of the error. Event log entries might indicate the location of the error (storage library, logical drive number, surface ID, and logical sector) in addition to command, status, and sense data.

30,0,2**Drive broken.**

Cause: The optical drive has not sent a ready status to the server.

Action: This message typically indicates that the optical drive has encountered an intermittent hardware error. However, the software automatically retries the operation between 5 and 10 times and attempts to recover from the error by completing one of the following operations:

- Writing to another area of the optical disk
- Reading from an alternate copy of the data
- Ejecting the optical disk

If the system does not recover from the error:

- Remove, clean, and reinsert the optical disk into the drive and then retry the I/O operation.

or

Review the current event log and other recent event logs for information that might identify the cause of the error. Event log entries might indicate the location of the error (storage library, logical drive number, surface ID, and logical sector) in addition to command, status, and sense data.

30,0,3**Write is disabled do to the write protect switch on the cartridge.**

Cause: The write protection switch that is located on the disk cartridge is in the “enabled” position.

Action: If the disk is not supposed to be write protected, move the write protection switch from the “enabled” position to the “disabled” position.

30,0,4**The drive is empty.**

Cause: An operator has manually removed a surface from the drive.

Action: Place a surface in the drive.

30,0,5**Load check on drive.**

Cause: The disk is not correctly positioned in the drive.

Action: This message typically indicates that the optical drive has encountered an intermittent hardware error. However, the software automatically retries the operation between 5 and 10 times and attempts to recover from the error by completing one of the following operations:

- Writing to another area of the optical disk
- Reading from an alternate copy of the data
- Ejecting the optical disk

If the system does not recover from the error:

- Remove, clean, and reinsert the optical disk into the drive and then retry the I/O operation.

or

- Review the current event log and other recent event logs for information that might identify the cause of the error. Event log entries might indicate the location of the error (storage library, logical drive number, surface ID, and logical sector) in addition to command, status, and sense data.

or

- Disable all drives and power cycle the storage library.

30,0,6

Overwrite error. Attempt to write a written media sector.

Cause: Optical surface only. A physical or logical write operation was attempted on the same sector multiple times. An area on storage media can only be written once. If this error occurs when writing an image, the software automatically recovers from the error. However, if this error occurs unexpectedly during writes to the optical disk directory, the disk could be ejected from the storage library. If this error occurs on an MSAR surface, there could be a data integrity problem.

Action: If this error occurs on an MSAR surface, contact IBM Software Support for assistance.

This message usually indicates an intermittent drive hardware error. The software automatically retries the operation 5 to 10 times and at-

tempts to recover from the error by performing one of the following operations:

- Writing to another area of the disk.
- Reading from an alternate copy of the data.
- Ejecting the optical disk.

If the system does not recover from the error:

- Remove, clean, and reinsert the optical disk into the drive and then retry the I/O operation.

or

- Review the current event log and other recent event logs for information that might identify the cause of the error. Event log entries might indicate the location of the error (storage library, logical drive number, surface ID, and logical sector) in addition to command, status, and sense data.

30,0,7

Attempt to read an unwritten media sector.

Cause: The disk has an unwritten area where a written area is expected, for example:

- An unwritten optical disk is inserted in the drive when a written disk is expected.
- A read operation does not find data written at the indicated location.

This message usually indicates an intermittent drive hardware error. The software automatically retries the operation 5 to 10 times and attempts to recover from the error by performing one of the following operations:

- Writing to another area of the disk.
- Reading from an alternate copy of the data.
- Ejecting the optical disk.

If the system does not recover from the error:

- Remove, clean, and reinsert the optical disk into the drive and then retry the I/O operation.

If this error occurs on an MSAR surface, the cause could be:

- The MSAR file is an older version.
- A network error has caused an integrity problem on the MSAR file.

Action: Verify that the correct optical disk is inserted into the drive.

Review the current event log and other recent event logs for information that might identify the cause of the error. Event log entries might indicate the location of the error (storage library, logical drive number, surface ID, and logical sector) in addition to command, status, and sense data.

If a network error caused an integrity problem on an MSAR file, rebuild the problem disk from an alternative copy. Contact IBM Software Support for assistance.

30,0,8**Bad data on media (ERR or CRC) error.**

Cause: Optical disk only. If this error occurs on a read, the I/O will be retried several times, and if all retries fail the secondary copy of the data will be read. If this error occurs on a write, a new location to write to will be selected provided the error doesn't occur too often.

If the error is not fixed by retries on either reads or writes, the media will be ejected from the storage library for the user to clean it.

Action: Clean the media, insert the media into the drive, and retry the read/write requests. If the read/write problem persists on different sector addresses, the media might be bad and in need of being rebuilt from a secondary copy. If the problem happens on many disks, the drive could be bad. Contact the drive vendor to resolve the problem.

30,0,9**Miscellaneous hardware error.**

Cause: A miscellaneous hardware error has occurred and the drive has been disabled.

Action: Gather sense data information from the system log and contact the hardware vendor for support.

30,0,11**Drive adapter error.**

Cause: A drive adapter error has occurred and the drive has been disabled.

Action: Gather sense data information from the system log and contact the hardware vendor for support.

30,0,13**Unit attention has been asserted.**

Cause: This error can be caused by any of the following events:

- Media is removed from and then reinserted into drive.
- A drive was powered off and then powered on again.
- A drive was reset.
- A storage library had a cartridge inserted into the I/O station.

Action: Typically, Image Services can automatically recover from this error and therefore an action is typically not required. However, if Image Services was not able to automatically recover from this error, run hardware diagnostics on the drive.

30,0,14**Media timeout error.**

Cause: The media produced a timeout error.

Action: Typically, Image Services can automatically recover from this error and therefore an action is typically not required. However, if Image Services was not able to automatically recover from this error, run hardware diagnostics on the drive.

30,0,16**Drive hardware is busy.**

Cause: The drive hardware is currently processing an action.

Action: Typically, Image Services can automatically recover from this error and therefore an action is typically not required. However, if Image Services was not able to automatically recover from this error, run hardware diagnostics on the drive.

30,0,17**Drive not ready.**

Cause: A drive might be empty, spinning up, spinning down, or in another “not ready” state.

Action: Typically, Image Services can automatically recover from this error and therefore an action is typically not required. However, if Image Services was not able to automatically recover from this error, run hardware diagnostics on the drive.

30,0,18**Media not loaded properly.**

Cause: The media did not seat itself properly in the drive when it was inserted.

Action: Typically, Image Services can automatically recover from this error and therefore an action is typically not required. However, if Image Services was not able to automatically recover from this error, run hardware diagnostics on the drive.

30,0,20**Wrong label.**

Cause: An incorrect MSAR file has been inserted or the orig_surf_id for the volume label in the file contains the wrong surface ID.

Action: Insert the correct MSAR surface data file.

30,0,23**Illegal media operation**

Cause: The device is non-responsive.

Action: Use the vl command to retrieve information about the device from the elog.

30,0,25**Optical/MSAR file not found.**

Cause: The specified optical file does not exist.

Action: Confirm that you are requesting a valid optical file. If the problem persists, contact IBM Software Support for assistance.

30,0,27**Bad MSAR/optical file.**

Cause: The MSAR/optical file is invalid.

Action: Create a new MSAR/optical file.

30,0,29**Short Descriptor record is too long.**

Cause: The short descriptor file is corrupted.

Action: Create a new short descriptor file.

30,0,30**Encountered partial record in a MSAR/optical sequential file.**

Cause: The last record was not completely written or the underlying device might not support synchronous writes.

Action: Ensure that MSAR are being written to a synchronous file system and restore the surface from the alternate surface.

30,0,31**Media Buffer overflow.**

Cause: A media error occurred.

Action: Use the Storage Library Control user interface to find instructions from RSVP or INFO messages.

30,0,32**The contig_sectors or back_contig in docs table is invalid.**

Cause: The DOCS table has been incorrectly set.

Action: Import the document from MSAR or optical so these setting will be consistent.

30,0,33**Bad surface HW Mark.**

Cause: The MKF database has been restored or modified.

Action: Run the oddump High water command to reset HW.

30,0,34**Bad MSAR/optical file HW Mark.**

Cause: HW Mark of file not correct.

Action: If MSAR make sure the underlying device supports synchronous writes. Create a new file.

30,0,35**Problem creating log file.**

Cause: The directory permissions where the log file is being created are incorrect or there is not enough space to save the file.

Action: Review elog information to determine the specific cause. Create more space if more space is needed or set the directory permissions so that fnsf has permissions to create and write.

30,0,38**The document ID in the long descriptor does not match the doc_id.**

Cause: The DOCS table has been incorrectly set. This occurs when the DOCS table is pointing to the wrong long descriptor (offset).

Action: Import the document from MSAR or optical so these setting will be consistent.

30,0,39**The family type in volume label does not match the one in the surf_info table.**

Cause: The surface was incorporated into the wrong family or surf_info fam_id was modified.

Action: Contact IBM Software Support for assistance.

30,0,41**No available drives.**

Cause: All drives are either disabled or reserved, or a drive of the correct type does not exist on the specified storage library.

Action: Enable the disabled drives.

- 30,0,42** **Attempt to import document will illegal document ID.**
Cause: The document to be imported is from a compatible system, but has a document id ranges or Scalar Numbers
Action: Have a system administrator verify that the document range on the peer system and the main system do not overlap.
- 30,0,43** **Cannot create extent due to presence of written sectors.**
Cause: An attempt was made to create a new file extent at the highwater mark.
Action: Clean the optical media.
- 30,0,46** **Surface is not in Storage Library and cannot be used.**
Cause: An attempt was made to perform an operation on a surface that is not in the library.
Action: Put the surface in the storage library.
- 30,0,47** **Nothing written in the event log.**
Cause: The media highwater cannot be determined because the media is either formatted incorrectly, disabled, or damaged.
Action: Either clean or replace the optical media.

- 30,0,48** **Invalid Entry in the Event log of a surface.**
Cause: The media is either dirty or damaged.
Action: Either clean or replace the optical media.
- 30,0,49** **Invalid entry found in the surface directory.**
Cause: The media is either dirty or damaged.
Action: Either clean or replace the optical media.
- 30,0,52** **Attempt to backup past beginning of a surface file.**
Cause: The back up process tried to read information from beyond the beginning of a surface file.
Action: Contact IBM Software support for assistance.
- 30,0,54** **Bad surface file handle.**
Cause: Improper surface file handle.
Action: Contact IBM Software support for assistance.
- 30,0,56** **Wrong side of the media loaded into the drive.**
Cause: The optical media was loaded into the drive with the wrong side facing up.
Action: Load the optical media with the right side facing up.

30,0,57**Index field mis-match during import.**

Cause: An index field from the source DCL does not match any of the index types in the target DCL.

Action: Add the index from the source DCL to the index types in the target DCL or use the -nonexactclass option when importing the document.

30,0,58**Key name too long in document to be imported.**

Cause: The key name in the document is too long or the short descriptor was written incorrectly.

Action: Contact IBM Software support for assistance.

30,0,59**Key value too long in document to be imported.**

Cause: The key value in the document is too long or the short descriptor was written incorrectly.

Action: Contact IBM Software support for assistance.

30,0,60**Menu key value does not have proper length.**

Cause: The menu key value has an incorrect length or the short descriptor was written incorrectly.

Action: Contact IBM Software support for assistance.

- 30,0,61** **Date key value does not have proper length.**
Cause: The date key value has an incorrect length or the short descriptor was written incorrectly.
Action: Contact IBM Software support for assistance.
- 30,0,62** **Import/surface/surface logic error.**
Cause: Routines pass values that exceed expected maximums such as array elements.
Action: Contact IBM Software support for assistance.
- 30,0,66** **Preformat sector has invalid magic number.**
Cause: The optical disk is damaged.
Action: Clean the optical disk or use a different optical disk.
- 30,0,67** **No preformat sectors available--preformat cannot be done.**
Cause: The optical disk is damaged.
Action: Clean the optical disk or use a different optical disk.
- 30,0,68** **Check of preformat sector failed--attempt to format wrong media.**
Cause: The media is the wrong type of media.
Action: Use the correct media type.

- 30,0,69** **Bad preformat date.**
Cause: The date value exceeds UNIX time.
Action: Do not preformat.
- 30,0,72** **Attempt to use media in wrong drive.**
Cause: The media is reported as being in another drive.
Action: View log for information about the cause of the error.
- 30,0,73** **Can't create/write checkpoint file.**
Cause: A checkpoint file cannot be created or written to.
Action: View the error log for information about the cause of the error.
- 30,0,74** **Too many regions in a surface file.**
Cause: Too many write errors have occurred.
Action: Contact IBM Software support for assistance.
- 30,0,76** **Surface descriptor long or short checksum is bad.**
Cause: A surface descriptor long or short checksum is bad.
Action: Clean the optical disk.

- 30,0,77** **Drive is not in proper mode for desired operation.**
Cause: The drive mode does not support the attempted operation.
Action: Change the drive mode.
- 30,0,78** **Document not found while processing a background job.**
Cause: The document could not be located when a background job was running.
Action: Change the input file for the background job.
- 30,0,80** **Storage Library is reserved.**
Cause: The storage library is reserved.
Action: Enable the storage library.
- 30,0,81** **Data did not match on read after write.**
Cause: The media is damaged.
Action: Clean or replace the media surface.

- 30,0,83** **Foreign surface is unlabeled, writing a new label is illegal.**
- Cause:** The system serial number of the surface does not match the system serial number of the local system.
- Action:** If the surface is erasable a surface, erase and rewrite the label on a surface that has a system serial number that matches the local system serial number. If a non-local system serial number is on the surface, erase the surface and write a new (local) label on the surface,
- 30,0,104** **Old optical media label.**
- Cause:** The optical media label is old.
- Action:** Contact IBM Software support for assistance.
- 30,0,106** **Optical Media is not supported in this drive.**
- Cause:** The drive does not support the optical media.
- Action:** Use a supported drive or a supported optical media type.
- 30,0,108** **Low density surface not supported for this drive configuration.**
- Cause:** The drive does not support low density surfaces.
- Action:** Use a supported drive.

- 30,0,110** **Drive detected a SCSI-bus reset.**
Cause: The drive detected a SCSI-bus reset.
Action: Contact the hardware vendor for support.
- 30,0,111** **Drive is off-line.**
Cause: Drive is off-line.
Action: Run hardware diagnostics on the drive. If it can be fixed, disable the drive with the Storage Library Control UI.
- 30,0,112** **The relocation area of the surface is filled up.**
Cause: The relocation area of the surface is full.
Action: The optical is automatically disabled. Contact IBM Software support for assistance.
- 30,0,113** **A SCSI bus error occurred and the target device did not return sense data.**
Cause: A SCSI bus error occurred and the target device did not return sense data.
Action: If this error is persistent, do hardware diagnostics of adaptor card, library and drive.

- 30,0,114** **Mismatched sector size reported by the drive and the volume label.**
- Cause:** Mismatched sector size was reported by the drive and the volume label.
- Action:** Ensure that a correct disk type has been defined for the subject family and a surface with correct sector size is being used.
-
- 30,0,115** **Drive microcode has been changed.**
- Cause:** The drive microcode has been changed.
- Action:** Do hardware diagnostics on the drive. Update firmware on the drive. If the problem persists, disable the drive.
-
- 30,0,121** **Disallow clearing multiple media excessive WPC error via oddump.**
- Cause:** Disallow clearing multiple media excessive WPC error via oddump. WPC only applies to Plasmon 12.
- Action:** This type of WPC error indicates a drive problem which must be cleared from the drive panel. Contact IBM Software support for assistance.

- 30,0,122** **Disallow clearing WPC area full error or current insertion WPC error via oddump.**
- Cause:** Disallow clearing WPC area full error or current insertion WPC error via oddump. WPC only applies to Plasmon 12.
- Action:** This message is for information purposes only. Do not attempt to clear WPC if the area is full.
-
- 30,0,128** **Drive reset.**
- Cause:** An internal controller detected an error.
- Action:** Contact the hardware vendor for support.
-
- 30,0,132** **Unrecognized MSAR label.**
- Cause:** The file is corrupted or it is the wrong file.
- Action:** Recover or restore the MSAR surface. Or copy documents from alternate surface.
-
- 30,0,133** **Internal buffer is not properly sector aligned for this operation.**
- Cause:** An internal buffer is not properly sector aligned for this operation.
- Action:** Contact IBM Software Support for assistance.

30,0,134**MSAR surface is out of sync with the database.**

Cause: The MSAR surface is not synchronized with the database. An older version of an MSAR surface might have overwritten the current version.

Action: Restore the correct version of the MSAR file or restore the database.

30,0,135**MSAR label is not found.**

Cause: An MSAR label sector is unexpectedly blank. It might be the wrong file, a file that does not exist, or a file that does not have an MSAR label written.

Action: Restore the MSAR file.

30,0,137**UDO Unexpected SCSI data is returned.**

Cause: The disk is not a supported type or there is a problem with the drive.

Action: Use a disk that is supported or do hardware diagnostics on the drive.

30,0,140**Fail to disable write cache for an Ultra Density Optical drive.**

Cause: There is a problem with the UDO drive.

Action: Do hardware diagnostics on the drive.

- 30,0,141** **UDO - WPC area is 90 percent full.**
Cause: There is a problem with the drive or library.
Action: Contact the hardware vendor for support.
- 30,0,142** **UDO - WPC area full. Media has become read only permanently.**
Cause: Media has become read only permanently.
Action: Run hardware diagnostics.
- 30,0,143** **No defect space left on surface.**
Cause: The drive or lens might require cleaning.
Action: Clean the drive and lens. If the problem persists, do hardware diagnostics.
- 30,0,144** **Write Calibration error.**
Cause: The drive might require cleaning.
Action: Clean the drive. If the problem persists, do hardware diagnostics.
- 30,0,145** **Drive Firmware has been determined to be outdated.**
Cause: The drive firmware is outdated.
Action: Update drive firmware.

30,0,146**Drive Firmware cannot be determined.**

Cause: There is a problem with the drive.

Action: Update the drive firmware. If the problem persists, do hardware diagnostics.

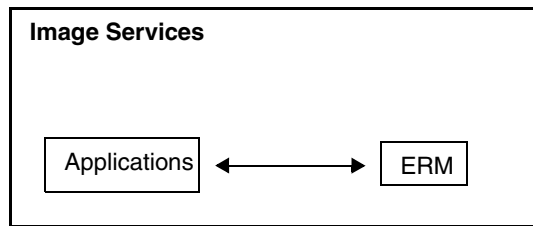
30,0,147**Invalid run string parameter for BKG program.**

Cause: A user is trying to run a BKG job.

Action: Use the BKG user interface or the stdocimp program to initiate a docimport job.

ERM (34) Messages

The Error Message Manager (ERM) shared library provides the interface to the system message catalogue. ERM also includes the message (fn_msg) tool. See [“Using fn_msg Tool” on page 127](#) for a description of the fn_msg tool.



ERM Shared Library Diagram

This section has information about ERM error codes, which begin with “34.” Each entry has an error code, an error message, a possible cause, and an action.

- 34,0,1** **No error message could be found for an error tuple.**
Cause: An application error occurred when the error code was being accessed.
Action: Obtain error details from the elog and contact IBM Software Support for assistance.
- 34,0,2** **An ERM message contained an invalid format**
Cause: An application error occurred when the error code was being accessed.
Action: Obtain error details from the elog and contact IBM Software Support for assistance.
- 34,0,3** **An ERM collision record occurred in an invalid location.**
Cause: An application error occurred when the error code was being accessed.
Action: Obtain error details from the elog and contact IBM Software Support for assistance.
- 34,0,4** **An invalid parameter was passed to an ERM entry point.**
Cause: An application error occurred when the error code was being accessed.
Action: Obtain error details from the elog and contact IBM Software Support for assistance.

34,0,5**An ERM collision record contained an invalid format.**

Cause: An application error occurred when the error code was being accessed.

Action: Obtain error details from the elog and contact IBM Software Support for assistance.

34,0,6**An ERM message record contained an invalid format.**

Cause: An application error occurred when the error code was being accessed.

Action: Obtain error details from the elog and contact IBM Software Support for assistance.

34,0,7**End of message reached before a line was found.**

Cause: An application error occurred when the error code was being accessed.

Action: Obtain error details from the elog and contact IBM Software Support for assistance.

34,0,8**No error message could be found for an error tuple.**

Cause: An application error occurred when the error code was being accessed.

Action: Obtain error details from the elog and contact IBM Software Support for assistance.

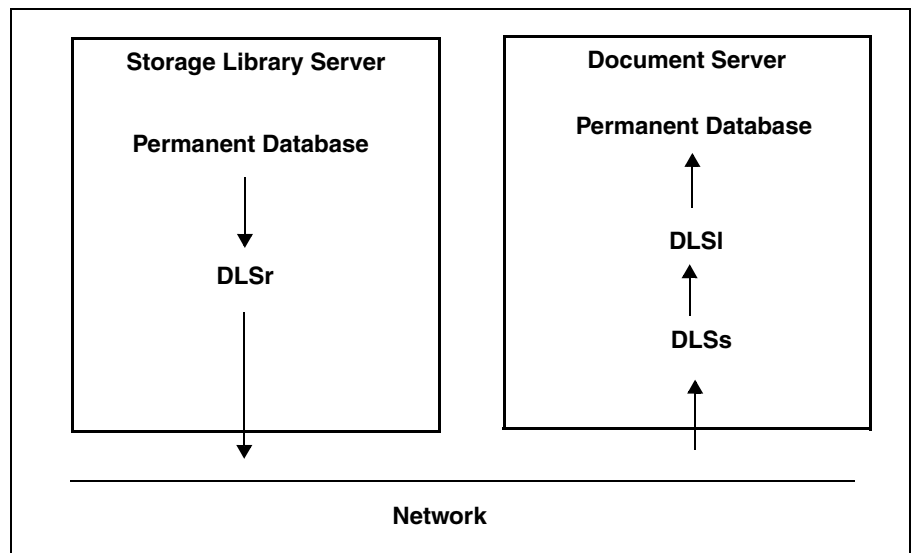
34,0,10**Failed to open the error message catalogue file.**

Cause: An application error occurred when attempting to read another shared library message.

Action: If you are running a cron job or script, try the operation from the local command line. If the operation is successful, check the script and ensure that the environment of the cron job is set correctly (in particular, ensure that the NLSPATH is set).

DLS (52) Messages

The Document server (or Storage Library server in a single-server environment) uses the DLS (Document Locator Service) shared library to update the permanent database when there is a request for media-to-media copying, annotation copying, or media importing. On a single Storage Library server system, the Document (DocLocator) server and Storage Library server are the same. On a multiple Storage Library server system, one of the Storage Library servers is the Document server and there is only one DOCS table. The DOCS table maintains a record for each committed document (and the associated media) on the system. The following diagram shows DLS in a multiple-server environment.



DLS Shared Library Diagram

DLS shared library message tuples begin with 52. The following paragraphs provide information on selected tuples. Each description lists the tuple number, message text, possible causes, and recommended actions.

52,0,1**Bad version during attempt to link the DLS, DLSI or DLSr.**

Cause: This version of a DLS shared library is incompatible with the program that is trying to establish a link. This problem is typically the result of either an incomplete software installation, or a problem that occurred during an update of a single module in the system.

Action: Use the stamp tool to determine the current version of the DLS shared library. Reconstruct the shared library file by restoring your FileNet Release partition. If the problem persists, contact your service representative.

52,0,2**Attempt to import invalid surface id.**

Cause: An attempt was made to import media using an invalid surface ID number. This is probably an operator error.

Action: Check the label and verify that the correct surface ID is specified, then retry the media import operation.

52,0,3**Courier rejected message.**

Cause: The network configuration could be incorrect.

Action: Check the network configuration parameters in the NCH database. Use the Configuration Editor to verify the network, MAC (Media Access Control), Ethernet, and IP (Internet Protocol) addresses of the server and client being affected. If necessary, use the Configuration Editor to rebuild the Network Clearinghouse database. See the Configuration Editor online help.

52,0,4**Internal rpc error.**

Cause: The network configuration could be incorrect.

Action: Check the network configuration parameters in the NCH database. Use the Configuration Editor to verify the network, MAC (Media Access Control), Ethernet, and IP (Internet Protocol) addresses of the server and client being affected. If necessary, use the Configuration Editor utilities to rebuild the Network Clearinghouse database. See the Configuration Editor online help.

52,0,5**Can't startup background job because not enough QMA queues.**

Cause: There is excessive server activity in progress, and the Queue Manager shared library does not have available queues to allocate to the requested background job.

Action: This message can indicate that the system is overloaded. Reduce the work load on the system and monitor for these time-out conditions. If the condition persists, your system could require performance tuning. Contact your service representative.

52,0,6**Logic error in DLS abstract.**

Cause: An internal software error occurred.

Action: Contact your service representative.

52,0,7**All Storage Library Servers have not yet been rebooted.**

Cause: This is an informational message. This condition rarely occurs. The ds_init program is attempting to initialize the document service (do_init automatically runs for each server).

Action: You must reboot all Storage Library servers and the Document server (DocLocator server) at the same time. Initialization on the current Storage Library server continues after rebooting all other Storage Library servers.

52,0,8**Waiting for the doc locator server to be rebooted.**

Cause: This is an informational message.

Action: You must reboot all Storage Library servers and the Document server (DocLocator server) at the same time.

52,0,9**Invalid server id encountered during write request processing.**

Cause: The network configuration could be incorrect.

Action: Check the configuration parameters of the NCH (Network Clearinghouse) database. If necessary, use the Configuration Editor to correct and rebuild the NCH database. See the Configuration Editor online help.

52,0,10**Invalid procedure number passed to DLSs.**

Cause: The DLS request handler program detected an internal software error.

Action: Contact your service representative.

52,0,11**Must retry update of cluster map table.**

Cause: This message is only issued internally. An attempt to update the cluster map table of the permanent database was unsuccessful. The database could have been busy, and the FileNet module receiving this message retries the operation until successful.

Action: Additional action is unnecessary.

52,0,12**Document may not be deleted because it's not written to media.**

Cause: A document must be written to the primary media before it can be deleted in this manner. An application program has called DLS to delete an object, but the document has not yet been written to media. The application program request to delete the document cannot be completed.

Action: Re-run the application after the document has been written to media.

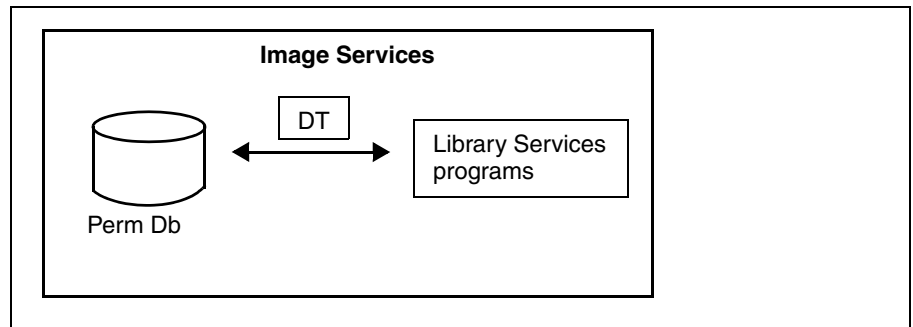
52,0,13**Program error in the DLS abstract.**

Cause: An internal software error occurred.

Action: Contact your service representative.

DT (58) Messages

The Document Table (DT) shared library performs input and output (I/O) operations on the DOCS table of the permanent database for the Document Locator server. On a single Storage Library server system, Document and Library Services reside on the same server. On a multiple Storage Library server system, one of the Storage Library servers is the Document Locator server containing the DOCS table. The DOCS table maintains a record of the location of each committed document (and the associated media) on the system. DT manages insertions, deletions, and updates to the DOCS table (for example, when a document is committed).



DT Shared Library Diagram

DT shared library message tuples begin with 58. The following paragraphs provide information on a selected tuple. Each description lists the tuple number, message text, possible causes, and recommended actions.

58,0,1000**Not logged on to data base when DT called.**

Cause: An internal software error occurred.

Action: Contact your service representative.

58,0,1004**Bad abstract link version when calling DT.**

Cause: This version of the DT shared library is incompatible with the program trying to establish a link. This problem is typically the result of an incomplete software installation or a problem that occurred during an update of a single module in the system.

Action: Use the stamp tool to determine the current version of the DT shared library. Reconstruct the shared library file by restoring your FileNet Release partition. If the problem persists, contact your service representative.

58,0,1005**Attempt to use non–implemented feature of DT.**

Cause: An internal software error occurred.

Action: Contact your service representative.

58,0,1006**No such document in the DOCS table.**

Cause: An attempt was made to access a document that has not been committed.

Action: Verify that the correct document ID number was requested. If the document ID was correct, use MKF_tool to determine if the document is in the batch_dyn_hdr table of the transient database. Documents in this table have not been committed. Examine the record's *next phase* field to identify steps that must complete before the document can be committed.

58,0,1007**Document already exists in the DOCS table.**

Cause: An attempt was made to insert a duplicate record in the database table, possibly as the result of trying to create a document with an ID that already exists. DT does not allow a duplicate record to be inserted into the table.

Action: Contact your service representative for assistance in determining why a duplicate record was detected.

58,0,1009**Invalid relational operator passed to DT.**

Cause: An internal software error occurred.

Action: Contact your service representative.

58,0,1010**The 'docs' table can't have the 'orig_ssn' field equal to zero or local ssn.**

Cause: Contradictory values for orig_doc_id and orig_ssn fields of a record in the DOCS table have been detected. An internal software error probably occurred.

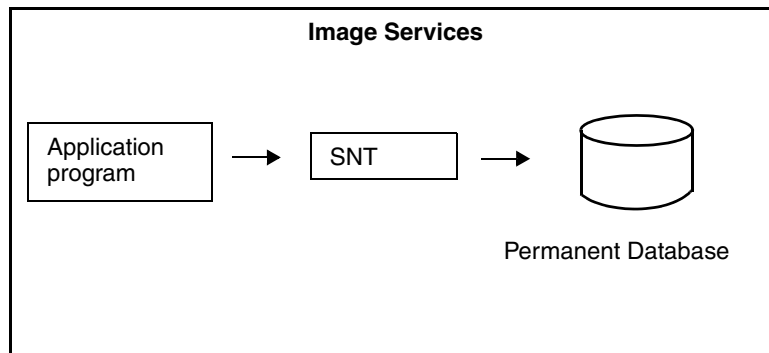
Action: Contact your service representative.

SNT (63) Messages

The Scalar Numbers Table (SNT) shared library processes the input and output for the scalar_numbers table in the permanent database. The scalar_numbers table maintains the following information:

- A record of the next available image ID number
- Surface number when a new disk is required
- Background request number for disk copying or importing

The SNT shared library updates the scalar_numbers table whenever the system issues a number. SNT also periodically updates the snt.ch-kpt file as a backup to the scalar_numbers table.



SNT shared library diagram

This section has information about SNT error codes, which begin with "063." Each entry has an error code, an error message, a possible cause, and an action.

63,0,1**Bad abstract version.**

Cause: The version of Image Services that is on the server is not compatible with dependent modules.

Action: Apply the current Image Services fix pack.

63,0,2**No more document ids. Modify 'as_conf.g' and reboot.**

Cause: Additional document IDs are unavailable.

Action: Use the Configuration Editor to increase the number of available document IDs and then restart Image Services.

63,0,3**No more surface ids. Modify 'as_conf.g' and reboot.**

Cause: Additional optical disk surface IDs are unavailable.

Action: Use the Configuration Editor to increase the number of available optical disk surface IDs and then restart Image Services.

63,0,4**Document id range in 'as_conf.g' incorrect (must be increased).**

Cause: Additional document IDs are unavailable.

Action: Use the Configuration Editor to increase the range of document IDs and then restart Image Services.

- 63,0,5** **Surface id range in 'as_conf.g' incorrect (must be increased).**
- Cause:** Additional surface IDs are unavailable.
- Action:** Use the Configuration Editor to increase the range of surface IDs and then restart Image Services.
-
- 63,0,6** **Bad scalar number table record--not all fields defined.**
- Cause:** The database is corrupted.
- Action:** Contact IBM Software Support for assistance.
-
- 63,0,7** **Bad scalar number table checkpoint file.**
- Cause:** The scalar number table checkpoint file (/fnsd/local/sd/snt.chkpt) cannot be accessed because the file is corrupted or the user does not have correct permissions.
- Action:** Assign the appropriate permissions to the affected user. If the problem persists, contact IBM Software Support for assistance.
-
- 63,0,8** **Scalar number table updates must be done on doc locator server.**
- Cause:** A software error occurred.
- Action:** Contact IBM Software Support for assistance.

63,0,9**Scalar number not updated because checkpoint is too old.**

Cause: A software error occurred.

Action: Use Task Manager to restart the software.

63,0,10**The MKF database scalar number is lower than the checkpoint file scalar numbers. Refer to elog with the vl command for further information.**

Cause: The Scalar Numbers table is behind the /fnsd/local/sd/snt.chkpt file. This situation typically occurs after a permanent database has been restored. It can also occur while initializing the software if there is data stored in the permanent database. When it detects this condition, the system aborts the initialization process since continuing with this condition could cause multiple documents to be committed with the same doc ID.

Action: Select Event Log from the Monitor menu of the Task Manager window to view additional information. For information on the Task Manager, see the *System Administrator's Handbook*.

Doc Services will not function until this problem is resolved. Resolve this problem using one of these methods:

- Update the Scalar Numbers Table using the SNT_update program. Running SNT_update resets the value of the next available document ID to the value in the checkpoint file plus 1000. Use this method when you plan to restore documents with IDs you do not want duplicated on new documents. However, if you run SNT_update too often, you could eventually run out of document IDs.

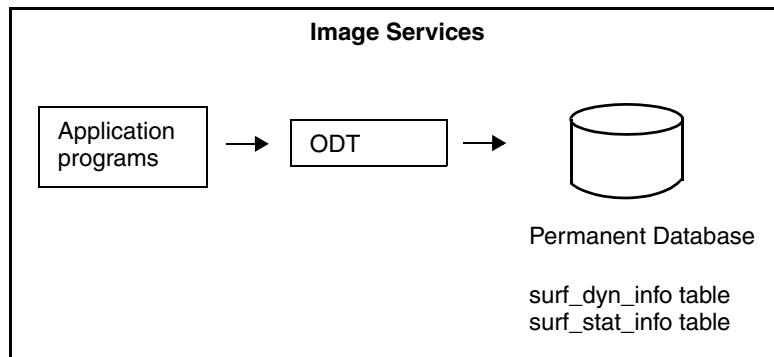
or

- Remove the SNT checkpoint file (/fnsf/local/sd/snt.chkpt). When the checkpoint file is missing, the Image Services system starts assigning numbers over again. However, this method prevents you from recovering documents from an optical disk that were created prior to initialization.

ODT (64) Messages

The Optical Disk Table (ODT) shared library processes input and output for the following permanent database tables:

- surf_dyn_info
- surf_stat_info



ODT Shared Library Diagram

This section has information about ODT error codes, which begin with "064." Each entry has an error code, an error message, a possible cause, and an action.

64,0,1001**ODT: Record already exists.**

Cause: The surface record that is being added to system already exists in database.

Action: Verify the integrity of the permanent database by running MKF_verify. Check the source of the surface ID that is being added to ensure validity.

64,0,1002**ODT: Record not found.**

Cause: A problem occurred with a surface entry in the permanent database. A reference was made to a surface record that does not exist in the permanent database tables.

Action: You might need to import an additional surface if both the primary and tranlog behavior is needed. For example, this error displays when a primary surface is imported and the associated tranlog is not in the system.

64,0,1004**ODT: Bad version during link attempt.**

Cause: The version of Image Services that is on the server is not compatible with dependent modules.

Action: Apply the current Image Services fix pack.

64,0,1007**ODT: Invalid SSN during lookup of foreign media.**

Cause: An incorrect system serial number was supplied.

Action: Use the Configuration Editor to update the system serial number.

64,0,1008

ODT: Illegal ssn/surface id used in attempt to import foreign media. The media to be imported has an ssn of a compatible system, but the surface id on the media is supposedly an available surface id. Either the Scalar Numbers Table on the ...

Cause: Either the Scalar Numbers Table on the local system has been set incorrectly or the surface ID range set up in the configuration file is incorrect.

Action: Ensure that the foreign surface ID is within the surface ID range of its domain.

64,0,1010

ODT: 'orig_ssn' field in 'surf_stat_info' can't be local ssn or zero.

Cause: The orig_ssn field in the MKF docs table contains a zero or the SSN of the local system.

Action: Ensure that the orig_ssn field value in the MKF docs table is valid.

64,0,2001

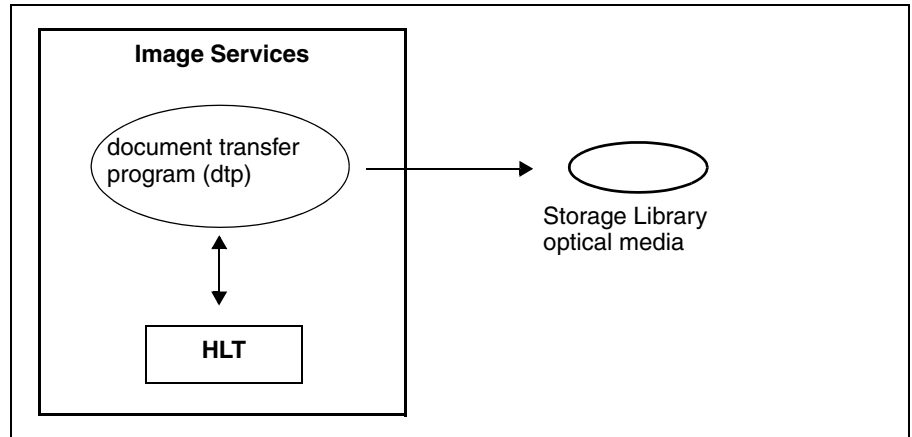
Invalid parameter sent to SAT abstract entry point.

Cause: An internal software error occurred.

Action: Contact IBM Software Support for assistance.

HLT (65) Messages

The High Level Tasks (HLT) shared library, in response to a document transfer program (dtp) call, locates the next surface for write operations.



HLT Shared Library Diagram

This section has information about HLT error codes, which begin with "065." Each entry has an error code, an error message, a possible cause, and an action.

65,0,1**Invalid server ID.**

Cause: An internal software error occurred. An invalid server ID was computed for the specified document.

Action: Verify that the document resides on the server where the operation is being performed.

65,0,2**Background requests are active, so cannot move media.**

Cause: An attempt was made to move optical media while a background request was actively accessing the media.

Action: Retry the action.

65,0,3**Table full--Cannot enable another surface for writes in this family. The number of pending write surfaces for this family has exceeded the maximum allowed of 8, so no new surfaces may be write enabled until other surfaces of this family are used up (written).**

Cause: The number of pending write surfaces for this family has exceeded the maximum allowed of 8, so no new surfaces can be write enabled until other surfaces of this family are used up (written).

Action: Allow pending writes to complete. As current write surfaces fill up, then new pending write surfaces can be added.

65,0,4

Can't enable media for writes--invalid media type. The media type of the surface is not the same as the media type of the family, so this media may not be enabled for writes.

Cause: The surface media type is not the same as the media type for the media family.

Action: Use a media type that is supported the media family.

65,0,5

This system does not support the indicated type of media.

Cause: The the media family does not support the media type.

Action: Use a media type that is supported by media family.

65,0,6

Can't change media type when next available sector is non-zero.

Cause: Someone tried to change the media type after data has been written.

Action: No action is required. The media type cannot be changed after data has been written to the media.

65,0,7 **Cannot get memory for converting document from 1.8 to 2.2 format. Check the document and verify that the number of pages and the number of annotations are reasonable values. Either the document is corrupted and one of these numbers is too large, or else the system is really out of memory.**

Cause: The document is either corrupted, the number of pages is too large, the number of annotations is too large, or the system is out of memory.

Action: Check the document and verify that the number of pages and the number of annotations are reasonable values.

65,0,8 **Bad doc class # format returned from INX (expected unsigned long).**

Cause: The document contains invalid data for the document class number.

Action: Contact IBM Software Support for assistance.

65,0,9 **Bad doc type format returned from INX (expected byte).**

Cause: The document contains invalid data for the document type.

Action: Contact IBM Software Support for assistance.

65,0,10 **Bad access right format returned from INX (expected 12 byte string).**

Cause: The document contains invalid data for the document access rights.

Action: Contact IBM Software Support for assistance.

65,0,11**No document class defined in raw row of document.**

Cause: The document contains invalid data for the document class numbers.

Action: Contact IBM Software Support for assistance.

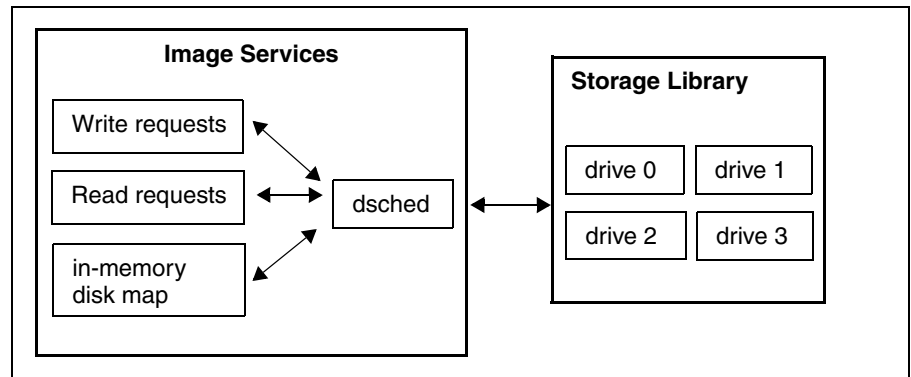
65,0,12**Can't change family of surface. Can't change the family of a surface from a transaction log to a non-transaction log, or vice versa.**

Cause: An attempt was made to change the family of a surface from tranlog to primary or vice versa.

Action: No action is required. Changing the family of a surface from tranlog to primary or vice versa is not supported.

dsched (67) messages

The optical drive scheduler (dsched) program monitors the memory-resident optical disk read/write tables. The ds_init program calls dsched during the bootup of a Storage Library or Document Locator server. Upon receiving a read or write request, the dsched program references the in-memory checkpoint.osa file, then issues commands to retrieve and load the disk into an empty drive.



dsched Shared Library Diagram

The dsched program message error messages begin with 67. The following paragraphs provide information on selected error messages. Each description lists the error message number, message text, possible causes, and recommended actions.

67,1,1**Fetch media: The medium is not in a slot, drive, or I/O station.**

Cause: A request was made to fetch from an invalid storage library device type. Valid device types are slot, drive, and I/O station.

Action: Specify a valid device type and retry the request.

67,1,4**Storage library disabled.**

Cause: A storage library can be disabled manually or because of an error.

Action: Contact your system administrator to enable the library.

For additional information on storage libraries, see the *System Administrator's Handbook*. To download IBM FileNet documentation from the IBM support page, see ["Accessing IBM FileNet documentation" on page 124.](#)

67,1,5**Wrong Storage library # in message input to dsched process**

Cause: Invalid storage library number specified in the internal input message for dsched to respond.

Action: Contact your system administrator to verify the storage library configuration and, if necessary, restart the Image Services software and reboot the server. If the problem persists, contact IBM Software Support for assistance.

67,1,6**An unrecognized message was passed to the dsched program in the main queue.**

Cause: An Invalid internal message was input for dsched to respond to.

Action: Contact your system administrator to verify the storage library configuration and, if necessary, restart the Image Services software and reboot the server. If the problem persists, contact IBM Software Support for assistance.

67,1,13**All the drives were disabled when a drive was needed.**

Cause: A storage library drive can be disabled manually or because of an error.

Action: If the drive was manually disabled, enable the drive.

67,1,14**The storage library slot status cannot be updated.**

Cause: The checkpoint.osa file is not valid or is inaccessible.

Action: Restart the Image Services software to force the checkpoint.osa file to be rebuilt. If the problem persists, delete the file and restart the Image Services software.

67,1,17**The OSA in-memory records are not consistent with the surface record.**

Cause: OSA in-memory records are not consistent with the surface record.

Action: Rename the existing checkpoint file and restart the Image Services software. If the problem persists, delete the file and restart the Image Services software.

67,1,18

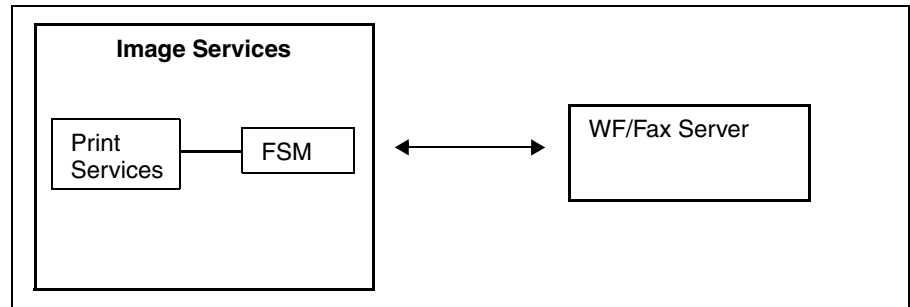
A valid checkpoint.osa file does not exist.

Cause: The checkpoint.osa file was not available but the software was ready to map the slot status in order to update the osa in-memory records.

Action: The Image Services software will remap the slot status. No action is required.

FSM (72) Messages

The Fax Server Manager (FSM) shared library processes input and output between the Print Services software and a Fax server.



FSM Shared Library Diagram

FSM shared library message tuples begin with 72. The following paragraphs provide information on selected tuples. Each description lists the tuple number, message text, possible causes, and recommended actions.

72,0,1

The printer specified for the print job is not currently available.

Cause: The fax could be powered off or the cable could be disconnected.

Action: Verify the integrity of the fax machine and reboot the Fax server.

72,0,2**The client does not have permission to use the requested printer.**

Cause: The user who is logged onto the Fax server does not have permission to process the current print request.

Action: The System Administrator is responsible for defining and modifying access rights. Refer to the Security section of the *System Administrator's Handbook* for information on setting permission levels for users and devices. To download IBM FileNet documentation from the IBM support page, see ["Accessing IBM FileNet documentation" on page 124.](#)

72,0,3**The printer does not support the paper size specified.**

Cause: You selected a paper size that this printer does not support.

Action: Delete the paper size and select another. If you are not sure which paper sizes the printer supports, contact your System Administrator.

72,0,4**Invalid session handle encountered. Session may have timed out.**

Cause: An internal program error occurred. There could have been excessive server activity and no free sessions were available to satisfy a request for service. This condition can indicate that your system is configured incorrectly, or requires performance tuning.

Action: Contact your service representative.

72,0,7**The printer does not support print option specified.**

Cause: An internal program error occurred. The Fax server does not support the print options that were selected.

Action: Contact your service representative.

72,0,8**The fax server does not support mail box specified.**

Cause: The selected fax mail box is out of range (valid range is 0-31).

Action: Use the nch_tool to verify the Fax server properties.

72,1,1**Bad abstract link version when calling FSMI.**

Cause: This version of the FSMI shared library is incompatible with the program that is trying to establish a link. This problem is typically the result of either an incomplete software installation, or a problem that occurred during an update of a single module in the system.

Action: Use the stamp tool to determine the current version of the FSMI shared library. Reconstruct the shared library file by restoring your FileNet Release partition. If the problem persists, contact your service representative.

72,1,2**An internal rpc error occurred in FSMs.**

Cause: A possible network configuration file problem exists.

Action: Ensure that Print Services version (Print Services I or II) is consistent on Image Services and Fax servers. If this does resolve the error, contact your service representative.

72,1,5 Connection not open when attempting to close connection with FSMI.

Cause: An internal program error occurred.

Action: Contact your service representative.

72,1,6 The specified service was not found in Clearinghouse.

Cause: The configuration of the Fax Service in the Network Clearinghouse database could be incorrect.

Action: Contact your System Administrator to check the configuration parameters of the Fax Service in the NCH database. If necessary, the System Administrator can use the Configuration Editor to rebuild the Network Clearinghouse database. See the Configuration Editor online help.

72,1,16 No more SAS session available for FSMs

Cause: An internal program error occurred because of excessive server activity. The system was unable to acquire an SAS session handle.

Action: Contact your service representative.

72,2,13 Invalid Annotation Attributes -- Missing Coord or Version Num.

Cause: An internal program error occurred. The document annotation format is wrong.

Action: Notify your service representative.

72,2,14**Print Cache Name or Fax Server Name not defined in print_config.**

Cause: The configuration of the print cache or Fax server in the Network Clearinghouse database could be incorrect.

Action: Contact your System Administrator to check the configuration parameters of the print cache and Fax server in the NCH database. If necessary, the System Administrator can use the Configuration Editor to rebuild the Network Clearinghouse database. See the Configuration Editor online help.

72,4,15**Unable to locate local print services from NCH.**

Cause: The configuration of the local print service in the Network Clearinghouse database could be incorrect.

Action: Contact your System Administrator to check the configuration parameters of the local print service in the NCH database. If necessary, the System Administrator can use the Configuration Editor to rebuild the Network Clearinghouse database. See the Configuration Editor online help.

OSA (76) Messages

The Optical Storage Abstract (OSA) shared memory structure is used to store information about libraries, drives, slots, and grippers. It contains routines that allow programs to retrieve and modify status of slots, drives, grippers, and various modes of operations within storage libraries. This information is stored in OSA shared memory and is also flushed into a permanent checkpoint.osa file to reflect the status changes such as a disk movement. This file is used to populate OSA shared memory when FileNet Image Services is restarted. At the start-up of a FileNet Image Services system, shared memory records are created for each storage library. The status for each of these entities is stored in a device status structure which includes the device type, the surface ID of the disk in the device, the last mount time, the error count for each device, the type of disk in the device, and the “out of service” flag for the device.

76,0,0**OSA table abstract error**

Cause: A surface record was not opened for the requested drive unit.

Action: Shut down FileNet Image Services, rename the current checkpoint.osa file, then restart FileNet Image Services. This action rebuilds the checkpoint.osa file and repopulates the surface records.

76,0,1**Can't create storage library checkpoint file**

Cause: The checkpoint.osa file was not created.

Action: Ensure that the <FNSW_LOC>/sd directory has write permissions to create a file.

76,0,2**Seek failed on storage library checkpoint file**

Cause: The read-write pointer for the storage library checkpoint file failed to move.

Action: Ensure that the checkpoint file has read permissions. If the problem persists, rebuild the checkpoint file and try again. Rebuilding the checkpoint file requires stopping and restarting the system.

76,0,3**Write failed on storage library checkpoint file**

Cause: A write operation to the storage library checkpoint file failed.

Action: Ensure that the checkpoint file has write permissions.

76,0,4**Read failed on storage library checkpoint file**

Cause: A read operation from the storage library checkpoint file failed.

Action: Ensure that the checkpoint file has read permissions.

76,0,5

Bad abstract version

Cause: An installed shared library is a version that is not compatible with the current version of the software.

Action: Download a complete fix pack to ensure that you are not missing dependencies.

76,0,256

Invalid drive number

Cause: An invalid storage library drive number was requested.

Action: Use the System Configuration Editor to ensure that the storage library configuration is correct.

76,0,257

Invalid storage library number

Cause: An invalid storage library number was requested.

Action: Use the System Configuration Editor to ensure that the storage library configuration is correct.

76,0,258

Invalid slot number

Cause: An invalid storage library slot number was requested.

Action: Use the System Configuration Editor to ensure that the storage library configuration is correct.

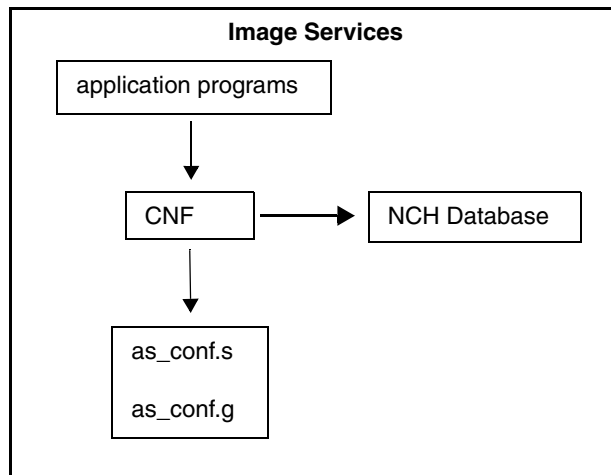
- 76,0,260** **OSA client failed to call OSA_Open prior to update**
Cause: An internal software error occurred.
Action: Stop and restart the FileNet Image Services software. If the problem persists, contact IBM Software Support for assistance.
- 76,0,261** **Unrecoverable program error encountered in Storage Library Service**
Cause: An internal software error occurred.
Action: Stop and restart the FileNet Image Services software. If the problem persists, contact IBM Software Support for assistance.
- 76,0,262** **Storage Library Service message (INFORMATION ONLY)**
Action: No action required. This is an informational message.
- 76,0,263** **When calling OSA_msar_slot_insert is called, the MSAR library was full. This should never occur and is a programming bug.**
Cause: The MSAR storage library was full when an attempt was made to insert a surface to a slot unit.
Action: Stop FileNet Image Services, delete the /fnsw/local/sd/checkpoint.osa file, then restart FileNet Image Services. This rebuilds the checkpoint.osa file, which keeps track of slot usage.

76,0,264**Library is in backup mode. Writing to the MSAR surface is disallowed****Action:** No action required. This is an informational message.

CNF (79) Messages

The Configuration (CNF) shared library reads the `as_conf.g` and `1/as_conf.s` files, located in `/fnsw/local/sd` (or `\fnsw_loc\sd` on Windows® Server systems), for document service programs.

CNF checks the NCH database for the default Image Services, Document Locator, Cache Descriptions, and Storage Library Service properties. CNF compares the NCH database information with the entries in `as_conf.s` and `as_conf.g`. CNF also verifies that the cache partitions listed in `as_conf.s` are physically present on the magnetic disk drive.



CNF Shared Library Diagram

This section has information about CNF error codes, which begin with "79." Each entry has an error code, an error message, a possible cause, and an action.

79,0,4**Can't open as_conf.g file.**

Cause: The file might not exist, or you might not have permission to access it.

Action: Verify that the configuration file is located in the path that is specified in the system log. If it is in the correct path, verify that the file has read permission.

79,0,5**Bad as_conf file cmd.**

Cause: The configuration file has invalid information.

Action: Use System Configuration Editor to correct the system configuration.

79,0,7**No database name defined on station.**

Cause: The permanent database name, transient database name, and the corresponding station base file names are not defined in the configuration file.

Action: Use System Configuration Editor to correct the system configuration.

79,0,8**'cache_threshold' cmd had bad values, values changed to maximum allowed.**

Cause: The cache_threshold command values are invalid and have been automatically updated to the maximum values allowed.

Action: Use the System Configuration Editor to modify the cache threshold value.

79,0,16**No such page cache exists.**

Cause: An invalid page cache was detected.

Action: Use the System Configuration Editor to modify the cache threshold value.

79,0,17**No more page caches.**

Cause: The software requested a cache description from a page cache that did not exist.

Action: Use the System Configuration Editor to correct the system configuration.

79,0,18**CNF: Bad IMS description.**

Cause: A configuration error has been detected. The DefaultIMS is either missing or has properties inconsistent with the default Image Services software configuration.

Action: Use the System Configuration Editor to correct the system configuration.

79,0,19**CNF: Bad cache description.**

Cause: A magnetic disk cache with the specified name is not configured.

Action: Use the System Configuration Editor to correct the system configuration.

79,0,20**CNF: Bad document locator description.**

Cause: The Document Locator server is either missing or has properties which are inconsistent with a Document Locator server.

Action: Use the System Configuration Editor to correct the system configuration.

79,0,21**CNF: Bad Storage Library service.**

Cause: The specified Library Service is either missing or has properties which are inconsistent with Library Services.

Action: Use the System Configuration Editor to correct the system configuration.

79,0,22**CNF: Programming Logic error. See sys_log for more info.**

Cause: An invalid disk type was detected.

Action: Use the System Configuration Editor to correct the system configuration.

79,0,23**CNF: These systems are incompatible. Operation not allowed.**

Cause: The source and destination systems are not compatible.

Action: Use the System Configuration Editor to correct the system configuration.

79,0,24**Bad command found in act_log_conf file, the activity log configuration file.**

Cause: The activity log configuration file contains invalid information.

Action: Use a text editor to update the act_log_conf configuration file.

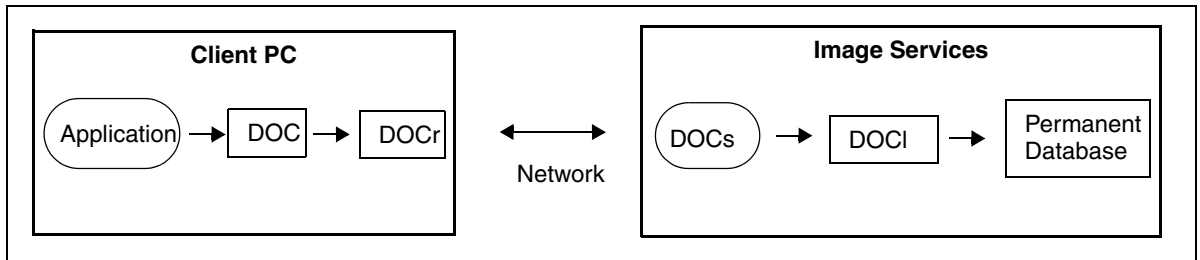
79,0,25**Bad command found in osar_retries, the storage library configuration file.**

Cause: The storage library retry configuration file contains invalid information.

Action: Use a text editor to update the osar_retries configuration file.

DOC (80) Messages

The Document Services (DOC) shared library (in conjunction with DOCI) manages the committing, deleting, migration, and prefetching of documents.



DOC Shared Library Diagram

DOC shared library message tuples begin with 80. The following paragraphs provide information on selected tuples. Each description lists the tuple number, message text, possible causes, and recommended actions.

80,0,1**DOC_err_other_error='Error other than standard DOC error reported in protocol - problem in DOC.'****Cause:** Problem with installed software.**Action:** Contact IBM Software Support for assistance.**80,0,2****Document not found by DOC.****Cause:** The specified document was not found during a search of the permanent database.**Action:** Verify that the document ID is correct. Using the MKF_tool, enter the following command to check the docs table for the missing document and verify that the document is not in the permanent database:

```
select docs doc_id=xxx
```

where xxx is the document ID.

Check the document entry data. If you cannot locate the document, contact your service representative.

80,0,3**DOC_err_invalid_family_name='Invalid family name given to DOC.'****Cause:** The family name provided to a Doc Services call is not valid.

Action: Validate the Document Family specified. Using Database Maintenance, check the specified Document Family.

80,0,4

DOC_err_no_permission='No permission to perform specified DOC function.'

Cause: The permission on the specified document does not allow this operation.

Action: Check the permissions for the Document and update if needed.

80,0,5

DOC_err_invalid_cache='Invalid cache name given to DOC.'

Cause: The provided page cache is not valid.

Action: Use nch_tool to validate the page cache.

80,0,6

DOC_err_document_already_migrated='Document already migrated when migration requested of a Document by DOC.'

Cause: The specified document has already been migrated.

Action: Ignore, duplicate migration request.

- 80,0,7** **DOC_err_invalid_network_address='Invalid network address given to DOC.'**
- Cause:** The specified network address for a document service function is not valid.
- Action:** Ignore, duplicate migration request.
-
- 80,0,8** **DOC_err_invalid_request_id='Invalid request ID given to DOC.'**
- Cause:** The request ID provided to the Doc Service call is not valid.
- Action:** Check that the request id being used is valid.
-
- 80,0,9** **DOC_err_invalid_osar_id='Invalid Storage Library ID given to DOC.'**
- Cause:** The specified Storage Library ID does not exist.
- Action:** Use Storage Library Control in Xapex to validate the Storage Library.
-
- 80,0,10** **DOC_err_invalid_image_id='Invalid image ID given to DOC.'**
- Cause:** The specified document was not found during a search of the permanent database.
- Action:** Verify that the document image ID is correct. Use the CSM_ tool to validate the ID is in cache.

- 80,0,11** **DOC_err_invalid_security='Invalid security given to DOC.'**
- Cause:** The specified security is not valid.
- Action:** Correct the security value.
-
- 80,0,12** **Duplicate document ID supplied to DOC when committing a document.**
- Cause:** An attempt was made to commit a document that already exists. Two documents cannot have the same ID.
- Action:** Document IDs are generated from information in the scalar_numbers table. Use MKF_tool to check the scalar_numbers table for the next document ID and the docs table for a possible duplicate document. After investigating the cause of the error, run SNT_update to advance the fields in the scalar_numbers table.
-
- 80,0,13** **DOC_err_duplicate_family='Duplicate family name supplied to DOC when creating a family.'**
- Cause:** The specified Document Family already exists.
- Action:** Ignore, duplicate request.
-
- 80,0,14** **DOC_err_invalid_user_id='Invalid user ID supplied for logging on to DOC.'**
- Cause:** The specified user ID is not valid.
- Action:** Validate user id. Use SEC_tool.

- 80,0,15** **DOC_err_invalid_session_handle='DOC given invalid session handle; session probably timed out.'**
Cause: Session number is not valid.
Action: Log off, and log back on to DOC services.
- 80,0,16** **DOC_err_no_matches='No matches found when attempting to find information from DOC.'**
Cause: No documents meet search criteria.
Action: Change search criteria.
- 80,0,17** **DOC_err_too_many_ids_requested='Too many image IDs requested to be allocated from DOC.'**
Cause: Requested number of Document ID's is too large.
Action: Change requested number.
- 80,0,18** **DOC_err_page_out_of_range='Page number out of the range of pages in a Document given to DOC.'**
Cause: Page range specified in call is not within the page range of the actual Document.
Action: Change the page range.

- 80,0,19** **DOC_err_not_in_osar='Synchronous migration from storage media was requested when operator intervention is required.'**
- Cause:** Storage media is not functioning.
- Action:** Operator intervention is required. Use Storage Library Control in Xapex to correct the situation.
-
- 80,0,20** **DOC_err_annotation_too_large='Too big of an annotation given to DOC.'**
- Cause:** Content of annotation data exceeds the maximum limit.
- Action:** Change the annotation data.
-
- 80,0,21** **DOC_err_annotation_not_found='Annotation not found by DOC.'**
- Cause:** This document does not have an annotation associated with it.
- Action:** Use MKF_tool to check the document ID in the annotations table.
-
- 80,0,22** **DOC_err_no_capability='No capability for updating the given item through DOC.'**
- Cause:** Capability structure is not valid when updating document.
- Action:** Get and lock document before updating.

-
- 80,0,23** **DOC_err_annotation_busy='DOC annotation is busy being updated by another client.'**
- Cause:** Document has been locked by another request.
- Action:** Override lock or wait for document to be unlocked.
-
- 80,0,24** **DOC_err_invalid_number_of_osars='Invalid number of Storage Libraries given to DOC.'**
- Cause:** The number of storage Libraries specified exceeds the current limits.
- Action:** Reduce the number of storage libraries.
-
- 80,0,25** **DOC_err_invalid_number_of_surfaces='Invalid number of surfaces given to DOC.'**
- Cause:** The number of specified surface id's exceeds the current limits.
- Action:** Reduce the number of surfaces.
-
- 80,0,26** **DOC_err_annotation_not_busy='Annotation not busy when override was requested of DOC.'**
- Cause:** Specify override on open of annotation.
- Action:** Ignore, unnecessary request.

- 80,0,27** **DOC_err_no_resource='No resources available to log on to DOC.'**
- Cause:** DOC services has run out of resources.
- Action:** Increase DOC services resources based on the error message and/or recycle software.
-
- 80,0,28** **DOC_err_invalid_family_id='Invalid family ID given to DOC.'**
- Cause:** The family ID specified is not valid.
- Action:** Use MKF_tool to validate family ID.
-
- 80,0,29** **DOC_err_cache_not_local='Cache must be local to system with DOC service for committal'**
- Cause:** A remote cache is not supported for this type of committal without migration.
- Action:** Change specified cache to a local cache.
-
- 80,0,30** **DOC_err_status_not_changeable='The status of this Document is not currently changeable.'**
- Cause:** Cannot change the status of this document on an update.
- Action:** Examine document for incorrect status value.

- 80,0,31** **DOC_err_bad_cache_to_use='Specified cache is invalid to use with the given DOC function.'**
- Cause:** The specified cache cannot perform this type of function.
- Action:** Validate that the specified cache can perform the requested function.
-
- 80,0,32** **DOC_err_too_many_prefetches='Number of prefetches specified to DOC is beyond the limit.'**
- Cause:** The number of prefetches specified exceeds the current limit.
- Action:** Reduce the number of prefetches.
-
- 80,0,33** **DOC_err_service_not_local='Attempt to logon to a DOC service with a service not from that server.'**
- Cause:** DOC_logon called with a service on a different server.
- Action:** Use a local service.
-
- 80,0,35** **DOC_err_timeout='Timed out waiting for operation to finish.'**
- Cause:** The operation has exceed the specified timeout value.
- Action:** Increase the timeout value or retry the operation.

- 80,0,36** **DOC_err_too_many_queues='Too many DOC queues allocated--cannot allocate additional queues.'**
Cause: The number of DOC queries has exceeded the current limit.
Action: Decrease the number of Doc queries.
- 80,0,37** **DOC_err_too_many_migrates='Too many Documents to migrate in single procedure call'**
Cause: The number of documents to migrate has exceeded the current limits.
Action: Decrease the number of documents to migrate.
- 80,0,38** **DOC_err_cancel_detected='Cancel key detected during synchronous migrate--request cancelled.'**
Cause: A Synchronous migration has been canceled.
Action: Restart migration call as desired.
- 80,0,39** **DOC_err_qname_too_long='Queue name too long'**
Cause: The length of the document Queue name exceeds the current limit.
Action: Shorten the name of the document Queue.

- 80,0,40** **DOC_err_no_more_queues='Too many queues allocated; no more queues left'**
Cause: The number of document Queues has reached the limit.
Action: Reuse an existing queue or eliminate older or unused queues.
- 80,0,41** **DOC_err_queue_not_allocated='Queue not allocated; read not allowed.'**
Cause: The specified document Queue does not exist.
Action: Check the name of the document Queue.
- 80,0,42** **DOC_err_queue_inuse='Queue in use; cannot free queue'**
Cause: The specified document Queue is busy and cannot be freed at this time.
Action: Retry the operation later.
- 80,0,43** **DOC_err_cant_startup_daemon='Can't startup daemon process'**
Cause: Problem starting a DOC services background task.
Action: Check system integrity. Contact your support representative.

- 80,0,44** **DOC_err_invalid_option='Invalid option'**
Cause: An invalid option was provided to a background DOC services task.
Action: Correct command line option and try again.
- 80,0,45** **DOC_err_invalid_duration='Duration may not be less than -1'**
Cause: Duration option is invalid.
Action: Use a valid duration value.
- 80,0,46** **DOC_err_not_impl_archive='Feature not implemented in archive or PDB Document service'**
Cause: Archived and PDB does not support this feature.
Action: Use standard database.
- 80,0,47** **DOC_err_too_many_commit_families='Too many entries in family commit list'**
Cause: The number of entries in the committal list exceeds the current limit.
Action: Reduce the number of families in the commit list.

80,0,48**DOC_err_not_compatible_ssn='SSN of Document not compatible with target system.'**

Cause: SSN of a specified document is not listed as a compatible system on the target system.

Action: Cannot process this document as desired. Verify the Image Services peer system configuration.

80,0,49**DOC_err_not_on_tranlog='Operation requested may not be done on a transaction log family.'**

Cause: An invalid operation relating to the transaction log family was attempted.

Action: Use a non-transaction log family or change the operation to a valid one.

80,0,50**DOC_err_circular_commit='Commit list for family <x> can't contain family <x>'**

Cause: Invalid family commit list contains original family.

Action: Remove family 'x' from the commit list of family 'x'. Refer to message in the error log for family names.

80,0,51**DOC_err_no_osar='No Storage Library configured.'**

Cause: System does not have a Storage Library configured.

Action: Configure a Storage Library (OSAR/MSAR/ISDS).

- 80,0,52** **DOC_err_commit_not_remote='Family commit list must specify a remote domain.'**
- Cause:** The family commit list does not specified remote families.
- Action:** Change/correct the commit list.
-
- 80,0,53** **DOC_err_invalid_surf_id='Invalid surface id.'**
- Cause:** The specified surface id is not valid.
- Action:** Change the surface to a valid id.
-
- 80,0,54** **DOC_err_pgm_err='Internal program error in DOC Service.'**
- Cause:** Problem with installed software.
- Action:** If the problem persists, contact IBM Software Support for assistance.
-
- 80,0,55** **DOC_err_no_osar_migrate_off='Migrate is turned off due to the invalid Storage Library Server'**
- Cause:** The configured storage library is not valid.
- Action:** Correct the problem with the storage library and retry the migration.

-
- 80,0,56** **DOC_err_trace_info='Internal trace output (INFORMATION ONLY).'**
- Cause:** Tracing information for problem determination.
- Action:** If the problem persists, contact IBM Software Support for assistance.
-
- 80,0,57** **DOC_err_intervention_required='Operator intervention is required. A device may be disabled. '**
- Cause:** A problem has developed with the storage device.
- Action:** Use Storage Library Control in Xapex to identify and correct the issue with the storage device.
-
- 80,0,58** **DOC_err_cant_decrease_preflib_curwrtsurfsnum='Neither can the number of current write surfaces specified to the family's preferred library be decreased, nor can the preferred library be removed from a family.'**
- Cause:** You have attempted to reduce the number of current write surfaces for the families preferred library OR attempted to remove the preferred library from the family.
- Action:** Correct the code so the situation is not allowed.

- 80,0,59** **DOC_err_need_disable_surf='Number of current active surfaces will take effect after the current surfaces become full, or after manually disabling them.'**
- Cause:** The number of current active surfaces has changed but the change is not yet enabled.
- Action:** Wait for existing surfaces to become full or disable existing surfaces.
-
- 80,0,60** **DOC_err_annotation_already_exists='The requested annotation id already exists'**
- Cause:** A request is made for an annotation id that already exists.
- Action:** Use annotation update or change the annotation id.
-
- 80,0,61** **DOC annotation id is invalid. Zero(0) is not a valid annotation id.'**
- Cause:** The specified annotation id is not valid. Use of annotation id 0.
- Action:** Correct the annotation id and retry.
-
- 80,0,62** **DOC_err_magic_rm_id_invalid='DOC record management magic id is invalid.'**
- Cause:** The Document Services session handle is corrupt.
- Action:** Log off and log back on to DOC services.

- 80,0,63** **DOC_err_parameter_rm_invalid='DOC record management function parameter is invalid (null or out of range)'**
- Cause:** The DOC record management function is not valid. Invalid function specified.
- Action:** Use a correct DOC record management function.
-
- 80,0,64** **DOC_err_CFS_annot_doc_not_found='CFS-IS Import Agent cannot find the associated annotated Document.'**
- Cause:** In a Content Federated Services for Image Services (CFS-IS) environment, the Import Agent on a Content Engine system returns this error to the Image Services system when it fails to locate a document for which an annotation is being imported.
- Action:** The entry in the annot_log file will remain in the queue and will be retried automatically.
- Verify that the IS catalog data for the document class has already been exported to the CE system.
 - If a large amount of IS catalog data is currently being exported to the CE system, it could take a few minutes for the annotation export to catch up.
-
- 80,0,65** **DOC_err_CFS_wrong_annot_log_level='Unrecognized CFS-IS Annotation log level is detected.'**
- Cause:** Problem with the installed software.
- Action:** If the problem persists, contact IBM Software Support for assistance.

80,0,66

CFS-IS Import Agent cannot find the Distinguished Name (DN) for IS

Cause: In a Content Federated Services for Image Services (CFS-IS) environment, a distinguished user name could not be located.

- If this error is detected by Image Services, the annotation will not be exported to the CE system.
- If this error is detected by the Import Agent on the Content Engine system, the error is returned to the Image Services system. The entry in the annot_log file will be deleted.

Action: The System Administrator needs to correct the problem and re-export the annotation.

80,0,67

DOC_err_CFS_annot_action_failed='CFS-IS Import Agent encounters errors while processing annotations.'

Cause: In a Content Federated Services for Image Services (CFS-IS) environment, the Import Agent on a Content Engine system returns this error to the Image Services system when it encounters a recoverable error.

Action: The entry in the annot_log file will remain in the queue and will be retried automatically. No user action is needed.

80,0,68

DOC_err_CFS_annot_generic_error='CFS-IS Import Agent encounters errors while processing annotations.'

Cause: In a Content Federated Services for Image Services (CFS-IS) environment, the Import Agent on a Content Engine system returns

this error to the Image Services system when it encounters a irrecoverable error. The entry in the annot_log file will be deleted.

Action: The System Administrator needs to correct the problem and re-export the annotation.

80,0,69

DOC_err_no_ids_requested='Zero image IDs requested to be allocated from DOC.'

Cause: Number of requested document images is zero.

Action: Modify call to request some images ids.

80,0,70

DOC_err_sds_only_no_prefer_lib='Configuring a SDS_only family with a preferred library is not allowed.'

Cause: Do not attempt to set a family to SDS only that has a preferred library set.

Action: Remove preferred library before setting to SDS only

80,0,76

DOC_err_parameter_invalid='DOC function parameter is invalid (null or out of range)'

Cause: Call to a DOC services function with an invalid value.

Action: Update code to provide the proper value for the DOC services call.

- 80,1,1** **DOC_err_bad_version='Bad abstract link version when calling DOC.'**
- Cause:** Out of sync DOC services modules.
- Action:** Apply the latest fix pack to update the software to compatible DOC services modules.
-
- 80,1,2** **DOC_err_internal_rpc_error='Internal rpc error occurred in DOC.'**
- Cause:** The Client Application of Document Services is not following the documented RPC protocol. The parameters being passed are invalid or exceed maximum limits, such as the number of pages per document.
- Action:** Check the elog for indication of which RPC is failing and then change the client application to comply with the documented limits.
-
- 80,1,3** **DOC_err_not_debugging='Debugging operation requested from non-debugging DOC.'**
- Cause:** DOC services not in debugging mode, but a debugging operation was called.
- Action:** Place DOC services in debugging mode.

80,1,4**DOC_err_connection_already_open='Connection already open when attempting to open connection with DOC.'**

Cause: Calling DOC_open_connection with an already open connection handle.

Action: Close the connection and reopen or skip the new open call.

80,1,5**DOC_err_connection_not_open='Connection not open when attempting to close connection with DOC.'**

Cause: Calling DOC_close_connection with an already closed connection handle.

Action: Correct the customer application code so the close call is not made more than once.

80,1,6**DOC_err_id_wrap_around='Image IDs have wrapped around in DOC - serious system problem.'**

Cause: Image Id's have reached the max value for this system.

Action: Increase the document id range or contact your IBM support representative.

80,1,7**DOC_err_bad_attribute_type='Bad attribute type given to DOC.'**

Cause: An invalid DOC type was passed to a DOC services call.

Action: Correct the custom application code to pass a valid DOC type.

- 80,1,8** **DOC_err_bad_Document_status='Bad document status given to DOC.'**
- Cause:** An invalid document status was passed to a DOC services call.
- Action:** Correct the customer application code and pass a valid document status.
-
- 80,1,9** **DOC_err_bad_index_value_type='Bad index_value_type given to DOC.'**
- Cause:** An invalid index value type was passed to a DOC services call.
- Action:** Correct the custom application code and pass a valid index value type.
-
- 80,1,10** **DOC_err_cannot_find_named_service='Cannot find the named of the DOC service in the Clearinghouse.'**
- Cause:** The DOC services named is not in NCH database.
- Action:** Use nch_tool to validate and correct the DOC services name.
-
- 80,1,11** **DOC_err_invalid_relational_operator='Relational operator invalid for given to DOC service.'**
- Cause:** An invalid relational operator was passed to a DOC services call.
- Action:** Correct the customer application code and pass a valid relational operator.

- 80,1,12** **DOC_err_bad_session_type='Bad session type (illegal call to PDB or archive DB?)'**
- Cause:** A call to DOC services is invalid for PDB or archive databases.
- Action:** Make the call only on the local database.
-
- 80,1,13** **DOC_err_invalid_session_number='Invalid session number for a DOC session - not currently logged in.'**
- Cause:** An invalid session handle was passed to a DOC services call.
- Action:** In most instances, no action is required because the client application retries with a new handle. If the error persists, recycle the client application.
-
- 80,1,14** **DOC_err_too_many_servers='An invalid number of servers was given to DOC.'**
- Cause:** An invalid number of servers was given to the DOC services call.
- Action:** Correct the customer application code to use fewer servers.
-
- 80,1,15** **DOC_err_server_not_found='DOC encountered an unknown server ID - internal software error.'**
- Cause:** Problem with installed software.
- Action:** Verify that the latest fix pack is install. If the problem persist, contact your support representative.

-
- 80,1,35** **DOC_err_badinterleave='Bad value for interleave count (must be 1, 2, 3, ..., or 8)'**
- Cause:** An invalid interleave value was passed to a DOC services call.
- Action:** Correct the customer application code to pass a valid interleave value between 1 and 8.
-
- 80,1,36** **DOC_err_interleaveone='The interleave count must be 2 or less when #current surfaces > 1'**
- Cause:** An invalid interleave value was passed to a DOC services call.
- Action:** Correct the code to pass a valid interleave value of 1 or 2 when the number of current write surfaces is greater than 1.
-
- 80,1,37** **Transaction log family not defined.**
- Cause:** This error can occur when creating or updating a media family with an invalid tranlog family. A tranlog family can be deleted using Database Maintenance after being defined as a tranlog family for a primary family.
- Action:** Use MKF_tool to check the related family disk table for the error. Run the Database Maintenance family report and search for the transaction log family. If the transaction log family cannot be located, a transaction log family must be created.
-
- 80,1,38** **DOC_err_primary_cant_be_tranlog='A primary family cannot be a transaction log of another family'**
- Cause:** Problem with installed software.

Action: If the problem persists, contact IBM Software Support for assistance.

80,1,40 **DOC_err_invalid_osar_disk_type='The Storage Library disk type is invalid.'**

Cause: User specified an invalid disk type.

Action: Specify a valid disk type.

80,1,41 **DOC_err_cant_change_is_primary='Can't change the primary/transaction log status of a family'**

Cause: User attempted to change the status of the family's primary or transaction log.

Action: Correct the procedures to prevent this operation.

80,1,42 **DOC_err_cant_change_disk_type='Can't change media type on an existing family.'**

Cause: User attempted to change the media type on an existing family.

Action: Create a new family for the new media type.

80,1,43 **DOC_err_bad_entry_point='Invalid call to entry point in DOC.'**

Cause: Problem with the installed software.

Action: If the problem persists, contact IBM Software Support for assistance.

-
- 80,1,45** **DOC_err_archive_in_progress='Update not allowed--archive in progress'**
- Cause:** Attempting to issue an update while an archive is in process.
- Action:** Try again after archive has completed.
-
- 80,1,46** **DOC_err_not_legal='Requested function is not a legal operation'**
- Cause:** An invalid function was passed to a DOC services call.
- Action:** Correct code to use a valid DOC services function.r
-
- 80,1,47** **DOC_err_batch_already_open='Batch already open.'**
- Cause:** Attempting to open an existing open Batch (FB).
- Action:** Correct the customer application code to not reopen open batches.
-
- 80,1,48** **DOC_err_bad_write=Bad write to cache object'**
- Cause:** A bad write to batch object (FB) is returned.
- Action:** Retry the operation.
-
- 80,1,49** **DOC_err_no_doc_hdr='Document header not in last Document.'**
- Cause:** Document header has not been written to the last document of the batch (FB).

Action: Correct the customer application code to write DOC header for all documents.

80,1,50

DOC_err_invalid_page_num='Invalid page number'

Cause: An invalid page number was passed to a DOC services call.

Action: Correct the customer application code to pass a valid page id.

80,1,51

DOC_err_invalid_doc_id='Invalid DOC id'

Cause: An invalid document id was passed to a DOC services call.

Action: Correct customer application code to pass a valid document id.

80,1,52

DOC_err_too_many_pages='Too many pages'

Cause: The number pages specified exceeds the current max value.

Action: Correct customer application code to pass a valid page count.

80,1,53

DOC_err_batch_not_open='Batch not open'

Cause: An invalid handle to a non-open Batch (FB) was used.

Action: Open the batch and use a valid handle.

80,1,54

DOC_err_no_more_space='No more space in batch'

Cause: The amount of space allocated for this batch has been consumed.

Action: Close/abort this batch and retry it with a larger batch size.

80,1,55

DOC_err_invalid_index_type='Invalid index type'

Cause: An invalid index type was passed to a DOC services call.

Action: Correct the custom application code and pass a valid index type.

80,1,56

DOC_err_invalid_num_pages='Invalid number of pages'

Cause: The number pages specified is not valid.

Action: Correct the customer application code to pass a valid page count.

80,1,57

DOC_err_req_cancelled='Request cancelled'

Cause: Request has been canceled.

Action: Redo the request.

80,1,58

DOC_err_cant_lock='Cannot lock object into an ageable cache'

Cause: Cannot lock an object in an ageable cache.

Action: Object might be busy, retry the operation.

- 80,1,59** **DOC_err_csum_inconsistent='If one page has a checksum, all pages must have checksums.'**
- Cause:** One or more pages in the document have a checksum, but not all of the pages do.
- Action:** Document is damaged. Turn off checksumming.
-
- 80,1,60** **DOC_err_bad_handle='Bad session handle passed to DOC'**
- Cause:** An invalid session handle has been passed to a DOC service call.
- Action:** Typically, no action is required because the client application retries with a new handle. If the error persists, recycle the client application.
-
- 80,1,61** **DOC_err_dup_in_fast_batch='Duplicate write request detected during fast batch committal.'**
- Cause:** One or more documents in the batch (FB) have the same document id.
- Action:** Correct custom application code to verify only one document is assigned to a document id.
-
- 80,1,62** **DOC_err_interleave_single_side='Interleave count must be 1 for single-sided disks.'**
- Cause:** Creating a single-sided disk with an interleave count greater than 1.

Action: Use an interleave of '1' only for single sided disks.

80,1,63

DOC_err_zero_length_page='Page length of zero used to write a page.'

Cause: No data specified on a batch (FB) page write.

Action: Do not write zero length data pages.

80,1,64

DOC_err_doc_exceed_4gb='Document is too big and has exceeded 4 GB.'

Cause: The total amount of data for this document has exceeded the current max.

Action: Correct the code and break up the document into two or more documents.

80,1,71

DOC_err_addr_to_string='Error in converting network address to a string'

Cause: The internal Address to String conversion routine was unable to properly parse the Network address.

Action: Internal programming error. If the problem persists, contact IBM Software Support for assistance.

- 80,1,72** **DOC_err_unknown_protocol='Unknown protocol (not IPv4 or IPv6)'**
- Cause:** An unknown Network protocol was passed to a DOC service call.
- Action:** Correct the customer application code to pass a valid network protocol.
-
- 80,1,73** **DOC_err_string_to_addr='Error in converting string to network address'**
- Cause:** The internal String to Address conversion routine was unable to properly parse the Network address.
- Action:** Internal programming error. If the problem persists, contact IBM Software Support for assistance.
-
- 80,1,74** **DOC_err_unknown_addr_fmt='Unknown network address format'**
- Cause:** An incorrect network address format was passed to a DOC services call.
- Action:** Correct code to pass a valid network format.
-
- 80,1,75** **DOC_err_address_error='network address error'**
- Cause:** An incorrect network address was passed to a DOC services call.

Action: Correct the customer application code to pass a valid network address.

80,1,77

DOC_err_bad_num_doc_per_batch='Incorrect number of documents per batch is passed in.'

Cause: An incorrect number of documents per batch were passed to a DOC services call.

Action: Correct the customer application code to pass a valid number of documents per batch.

80,1,78

DOC_err_ce_exceed_docs_p_batch='Number of Documents per batch exceeded limit.'

Cause: The total amount of documents in the batch (FB) has exceeded the current limit.

Action: Correct the customer application code to use fewer documents per batch.

80,1,79

DOC_err_invalid_ce_os_id='ce_os_id passed in is invalid.'

Cause: Invalid ce_os_id sent by Push or Pull Worker.

Action: Contact IBM Software Support for assistance.

80,1,83

DOC_err_same_annot_guid_not_data='Found during ce annotation create reflecting to IS. Duplicate annotation found in MKF table. Same guid but different data'

Cause: Annotation GUID should be unique. Therefore it should contain the same annotation data.

Action: If the problem persists, contact IBM Software Support for assistance.

80,1,84

DOC_err_same_annot_guid_not_security='Found during ce annotation create reflecting to IS. Duplicate annotation found in MKF table. Same guid but different security''

Cause: Create Annotation and user does not have security to do this.

Action: Check the user security mapping on the Content Engine.

80,1,85

DOC_err_same_annot_guid_not_id='Found during ce annotation create reflecting to IS. Duplicate annotation found in MKF table. Same guid but different doc id or page number. '

Cause: Annotation GUID should be unique.

Action: If the problem persists, contact IBM Software Support for assistance.

-
- 80,1,89** **DOC_err_invalid_ce_guid='The format of the ce guid is invalid.'**
- Cause:** Invalid GUID format sent by CE.
- Action:** If the problem persists, contact IBM Software Support for assistance.
-
- 80,1,90** **DOC_err_del_dangling_annot='Successfully deleted a dangling annotation. Annotation that has no entry in DOCs table '**
- Cause:** No DOCS entry for document ID so the annotation was not deleted.
- Action:** If the problem persists, contact IBM Software Support for assistance.
-
- 80,1,92** **DOC_err_annot_format_error='The annotation format is incorrect.'**
- Cause:** Annotation passed by the Content Engine is not in the correct format.
- Action:** If the problem persists, contact IBM Software Support for assistance.
-
- 80,1,94** **DOC_err_annot_not_implemented='The annotation tag is not implemented.'**
- Cause:** Annotation tag from Content Engine not support in Image Services.

Action: Verify that Image Services is the most up to date version.

80,1,95

DOC_err_annot_invalid_class_ID='Invalid class ID. Unable to determine what type of annotation object.'

Cause: Annotation class ID passed by Content Engine is not supported by Image Services.

Action: Verify that Image Services is the most up to date version.

80,1,96

DOC_err_annot_dup_obj_found='Detect a duplicate object in an annotation'

Cause: The annotation passed in by Content Engine has duplicates.

Action: If the problem persists, contact IBM Software Support for assistance.

80,1,98

DOC_err_annot_obj_diff_ce_dsa='Different annotation objects found between CE and IS.'

Cause: Annotation objects passed in by Content Engine does not match Image Services.

Action: If the problem persists, contact IBM Software Support for assistance.

80,1,99

DOC_err_annot_miss_tag_on_CE='Unexpected missing tag either on the CE side. Cannot build annotation.'

Cause: Annotation tag missing from Content Engine.

Action: If the problem persists, contact IBM Software Support for assistance.

80,1,100

DOC_err_annot_miss_tag_on_IS='Unexpected missing tag either on the IS side. Cannot build annotation'

Cause: Annotation length from Content Engine exceeds the max annotation size on Image Services.

Action: If the problem persists, contact IBM Software Support for assistance.

80,1,101

DOC_err_internal_program_err='Internal program error. See syslog.'

Cause: Annotation length from Content Engine exceeds the max annotation size on Image Services.

Action: If the problem persists, contact IBM Software Support for assistance.

80,1,102

DOC_err_annot_IS_date_newer='Failed to update CE annotation on IS due to annotation date shown on IS newer than CE.'

Cause: Failed to update annotation but some else has the locked. The date is used to lock an annotation for updates.

Action: Retry the operation.

80,1,103**DOC_err_func_not_support='This function is not supported or obsolete. See sys_log for details.'****Cause:** Mixture of old and new DOC modules.**Action:** Apply the current Image Services fix pack to insure that all dependent modules are installed.

For additional information on Database Maintenance, see the *System Administrator's Handbook*. To download IBM FileNet documentation from the IBM support page, see [**"Accessing IBM FileNet Documentation" on page 49.**](#)

BES (88) Messages

Batch Entry Services (BES) is one of the main FileNet services that works behind the scenes. It manages the various phases of document entry: defining a batch, scanning, indexing, verifying, and committing; it keeps batch information in the transient database; and it works with cache services during batch entry and indexing.

BES message tuples begin with 88. The following paragraphs provide information on selected tuples. Each description lists the tuple number, message text, in some cases possible causes. If you have questions on any of the BES tuple, contact your service representative.

88,0,3	Invalid Batch Entry Services session number.
88,0,4	Attempt to allocate too many image identifiers.
88,0,5	Cannot perform this operation. No resources available.
88,0,6	This batch already exists.
88,0,7	This batch does not exist.
88,0,8	This batch is already in use.
88,0,9	This batch is not open.
88,0,10	This image already exists.

88,0,11	This image does not exist.
88,0,12	There is no transaction on this image.
88,0,13	Can't do requested operation when transaction in process on image.
88,0,14	This document already exists.
88,0,15	Attempt to put page into new document without removing from old.
88,0,16	Document does not exist.
88,0,17	Column name record does not exist.
88,0,18	Internal RPC error.
88,0,19	Debugging not turned on.
88,0,20	Not logged on to BES and/or MKF database.
88,0,21	Invalid batch type.
88,0,22	MKF Ctl record not found. Cause: Your database was OK when the system was booted, but now the ctl MKF record is missing. Someone could have deleted it with MKF_tool.

88,0,23	Index value record not found.
88,0,24	The relop parameter passed to BES_find_batches has an invalid value.
88,0,25	Attempt to create document with too many pages.
88,0,26	Attempt to create document with too many indices.
88,0,27	Attempt to compute batch totals on non-numeric field.
88,0,28	Invalid parameter passed to BES_update_doc: num_indices. Cause: When changing the num_indices field of a document, the index values must be passed to the procedure (array parameter must be non-null).
88,0,29	Invalid parameter passed to BES_update_doc: num_pages. Cause: When changing the num_pages field of a document, the page array must be passed to the procedure (array parameter must be non-null).
88,0,30	Invalid handle passed to BES.
88,0,31	Attempt to enqueue batch to invalid queue.
88,0,32	Attempt to commit batch when phase(s) not complete.

88,0,33	Attempt to commit batch when image(s) not verified.
88,0,34	Can't open batch when queue not equal to uncommit (1) or none (0).
88,0,35	Can't find required index for document when batch committed.
88,0,36	Batch total invalid when attempt made to commit batch.
88,0,37	Index not verified when attempt made to commit batch.
88,0,38	Attempt to create a batch with a batch name which is too long.
88,0,40	Attempt to read/write an image with an invalid batch capability.
88,0,41	A connection has previously been opened.
88,0,42	This connection is not open.
88,0,43	Invalid bulk data source. Should be bulk data immediate.
88,0,44	String passed across network exceeds maximum length.
88,0,45	Too many documents or pages in this batch.

88,0,46	Corrupted record in 'batch_image' table. Cause: batch_id2 is non-null, but does not match batch_id in the batch_image table.
88,0,47	Can't delete image - - image is in document. Cause: An attempt has been made to delete an image in a document but not the document itself. The image can't be deleted unless the document is deleted too. This error indicates a programming problem.
88,0,48	This image already has an index associated with it.
88,0,49	The image index value cannot exceed 239 bytes.
88,0,50	This image does not have an associated index value.
88,0,51	This batch entry session is in use by another client.
88,0,52	Internal BES error.
88,0,53	Invalid index type.
88,0,54	Committal failed. Check error status in documents.
88,0,55	Override flag cannot be TRUE if batch not locked.
88,0,56	Image buffer in read, write or update not allocated.
88,0,57	Error in committing to a compatible target IMS.

88,0,58	Attempt to create too many images for a batch.
88,0,59	Attempt to update operation on a batch opened as read only.
88,0,60	Batch is overridden by another user.
88,0,61	Access of read-only batch is denied; batch is in commit-tal.
88,0,62	Write image is only permitted in update and create im-age.
88,0,63	Create image index is only allowed during image cre-ation.
88,0,64	Document has no page.
88,0,65	Attempt to create a batch with a NULL or invalid batch name.
88,0,66	Attempt to move an image which is currently assigned to a doc.
88,0,67	Length of the index value is greater than the declared maximum.
88,0,68	The value of migrate_delay must be greater than or equal to -1 and less then 2147483648.

88,0,69	Image id must be greater than ASE_INVALID_DOC_ID.
88,0,70	Message is for BES information and/or debugging purposes only.
88,0,71	Parent Folder Node does not exist.
88,0,72	Bad Folder path format.
88,0,73	Maximum Folder info data length exceeded.
88,0,74	Parent folder is a batch. This is not allowed.
88,0,75	Attempted to create a duplicate folder node.
88,0,76	No folder found.
88,0,77	Invalid object sequence number. Object sequence number 0 is invalid.
88,0,78	Object data too large. Max. length of object data is 800.
88,0,79	Invalid object type. 0 is invalid object type.
88,0,80	Object not in batch.
88,0,81	Folder node name exceeded the MAX limit.
88,0,82	Folder name has been changed. The update failed.

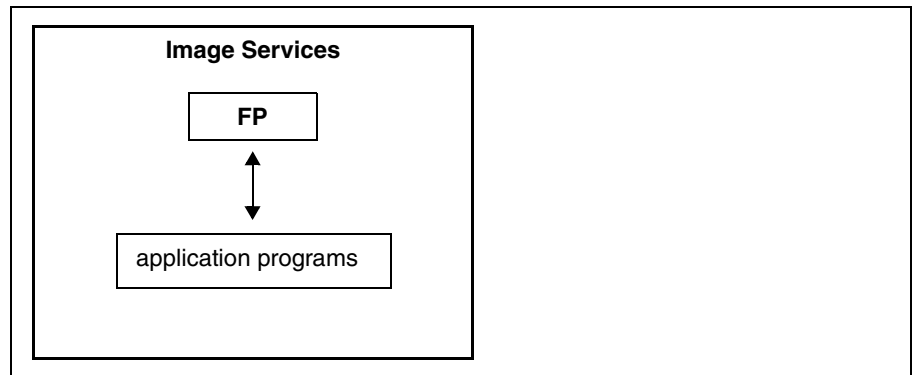
88,0,83	Invalid object Id.
88,0,84	Object data not found.
88,0,85	Attempt to delete a folder which is not empty.
88,0,86	No children found for a given folder node.
88,0,87	Invalid current phase (BES_COMMIT, BES_CATALOG or BES_RECOMMIT) of the source or destination batch for moving document between batches.
88,0,88	Invalid parameter was passed to folder APIs.
88,0,89	Passed null pointer for input or output for BES APIs.
88,0,90	Invalid document id passed to BES APIs.
88,0,91	When updating folder node to a batch node, it was found that it had a child node.
88,0,92	Invalid parameter was passed to object data APIs.
88,0,93	Invalid parameter was passed to image companion APIs.
88,0,94	Invalid image companion Id. (should be between 1 and 20)
88,0,95	Image companion does not exist.

88,0,96	Invalid last image companion Id. (should be between 0 and 19)
88,0,97	No companion object found for specified image.
88,0,98	Invalid call to BES_move_doc to move a document to the same batch.
88,0,99	When doing a folder update, the parent_id is found to be an ancestor of the folder node. Or if the parent_id is the same as the folder node id, this error will also be returned. This will prevent loops in the folder node parent child relationships.
88,0,100	The companion image already exists when calling BES_create_image_companion.
88,0,101	Invalid extended level.
88,0,102	No local Batch Services.
88,0,103	Buffer size is too big.
88,1,1	Incorrect abstract link version for BES.
88,1,10	BES is being used exclusively.
88,1,11	Exclusive use is denied.
88,1,12	Not exclusive logon; Exclusive logoff is denied.

88,1,13	The specified BES_info_spec contains invalid data, or is inconsistent with other data.
88,1,14	Invalid info_type.
88,1,15	The link-list of info received has too few elements.
88,1,16	The name is not in the expected format of obj:domain:org.

FP (89) Messages

The Floating Point (FP) shared library performs arithmetic and conversion on FileNet floating point numbers. These are sixteen-byte floating point numbers with a base of ten thousand (10000). FP receives a floating point number from the application program, performs the arithmetic function (add, subtract, multiply, or divide), and returns the result to the application program. Errors that occur usually represent coding errors in the software or corrupted data passed to FP.



FP Shared Library Diagram

This section has information about FP error codes, which begin with "89." Each entry has an error code, an error message, a possible cause, and an action.

89,0,1**Numeric range overflow.****Cause:** An application error occurred.**Action:** Contact IBM Software Support for assistance.**89,0,2****Undefined numeric value.****Cause:** An application error occurred.**Action:** Contact IBM Software Support for assistance.**89,0,3****Illegal numeric format.****Cause:** An application error occurred.

This problem typically occurs when a data import has empty fields for non-required indexes. Therefore, they cannot be set to “No value” in the Report Format. If this situation occurs, COLD processes the file and logs the occurrences in both the standard FileNet error log and the COLD import file. Because the documents are committed but are missing fields, an error is logged.

Action: Contact IBM Software Support for assistance.**89,0,4****Invalid numeric format mask.****Cause:** An application error occurred.**Action:** Contact IBM Software Support for assistance.

89,0,5**Invalid packed-decimal style specification.**

Cause: An incorrectly formatted floating point number was encountered. This can happen if the floating point function was called with a missing parameter or it was called with an incorrectly formatted floating point number.

Action: Contact IBM Software Support for assistance.

89,0,6**Packed-decimal digits specification out of range.**

Cause: An incorrectly formatted floating point number was encountered. This can happen if the floating point function was called with a missing parameter or it was called with an incorrectly formatted floating point number.

Action: Contact IBM Software Support for assistance.

89,0,6**Packed-decimal digits specification out of range.**

Cause: An incorrectly formatted floating point number was encountered. This can happen if the floating point function was called with a missing parameter or it was called with an incorrectly formatted floating point number.

Action: Contact IBM Software Support for assistance.

89,0,7**An input FP_number has an illegal value other than the canonical illegal value.**

Cause: An incorrectly formatted floating point number was encountered. This can happen if the floating point function was called with a missing parameter or it was called with an incorrectly formatted floating point number.

Action: Contact IBM Software Support for assistance.

89,0,8**An input or output FP_number pointer is not aligned on a longword boundary or is a null pointer.**

Cause: An incorrectly formatted floating point number was encountered. This can happen if the floating point function was called with a missing parameter or it was called with an incorrectly formatted floating point number.

Action: Contact IBM Software Support for assistance.

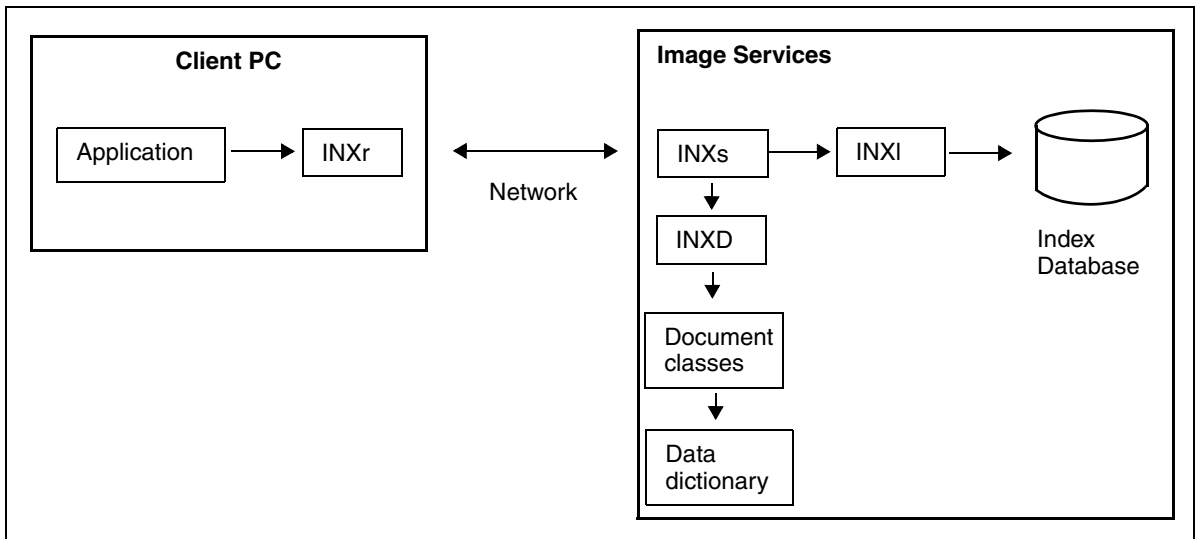
89,0,1000**Bad version number for FP abstract.**

Cause: The version of the FP shared library is incompatible with the program that attempted to establish a link. This problem is typically the result of either an incomplete software installation, or a problem that occurred during a single module update.

Action: Install the current Image Services fix pack to ensure that all dependent modules are installed.

INX (90) Messages

The Index Services (INX) shared library, in conjunction with the INXI and the PRS (parser) shared libraries, queries and updates the index database. When required, INX calls the INXD shared library to access the memory-resident data dictionary of document classes. INX calls PRS to generate queries against the database.



INX Shared Library Diagram

INX shared library message codes begin with 90. Each entry has an error code, an error message, possible causes, and recommended action.

Application programs call the PRS shared library to build queries against the index database. The INX shared library, in conjunction with

functions provided by INXI and the PRS (parser) shared library, queries and updates the index database.

PRS and INX share a common message code of 90. Messages issued by PRS, and probable causes of PRS messages, are listed below. PRS error message codes are in the range 90,0,1001 through 90,0,1103.

PRS message categories are as follows:

- Limit: a maximum size was reached
- Query: syntax for a query is incorrect, perhaps due to a typographical error in the query. The action is usually to examine and correct the syntax, then retry the operation.
- Program error: an internal software error occurred in the PRS software. The action for this type of error is always to notify your service representative for resolution.

These categories indicate the cause and appropriate action in the message information below.

90,0,2

Invalid session handle.

Cause: The client did not log on properly or the client passed the wrong handle.

Action: The client should log off and log on again to establish a valid session handle.

90,0,3

Permission denied.

Cause: The user did not have the necessary permission to execute a certain function.

Action: Check the security group and access rights of this user.

90,0,4

The session is already in use.

Cause: An INX session conflict occurred.

Action: Check the client application accessing INX. If the client is designed to handle this error, no action is necessary. Otherwise, log out and log back into the client application and retry the operation.

90,0,5**Duplicate database entry.**

Cause: An attempt was made to create a document record that already exists. This could have occurred after a backup and restore operation. Additional document IDs could have been added to the database after a backup was performed. When the database is restored, and documents are added after the restore is complete, you have encountered duplicate ID conditions.

Action: The possibility of database corruption exists if duplicate records are created. Contact IBM Software Support for assistance with this problem.

IBM Software Support will use sqlplus to view the DOCTABA and FOLDER tables in the index database. The document ID you are trying to create will be matched against the document IDs in the index database tables. IBM Software Support will locate the next document number and update the scalar numbers table with the correct value, then import the proper optical disk.

90,0,6**Requested record not found.**

Cause: An attempt was made to reference a non-existent document index record.

Action: Use sqlplus to check the doc_id in the DOCTABA table. Then retry the operation using the correct document ID.

90,0,7**Record already locked.**

Cause: The requested record is locked for update by another client.

Action: The client holding the lock must release it before the record can be updated by another client. The caller should wait for a second and retry this operation a couple of times. If these attempts also fail, then resetting the “override” flag is an option for some entry points. For assistance with this problem, contact IBM Software Support for assistance.

90,0,8**Specified menu does not exist.**

Cause: A request was made for a non-existent menu description.

Action: Use the Database Maintenance application to create the menu description, if necessary.

90,0,9**No folder with name and state specified exists.**

Cause: The specified folder does not exist.

Action: Use sqlplus to check the FOLDER table for the folder name.

90,0,10**Document not filed in specified folder.**

Cause: The document could be in another folder or not filed.

Action: Use sqlplus to examine the folder_contents table of the index database. If the document is not in the table, then file the document.

90,0,11

Document already filed in specified folder.

Cause: The document was not placed in the folder because it is already there.

Action: Use sqlplus to view the folder_contents table of the index database. Verify that the document ID of the document is already filed in that folder. If the document is already filed, further action is unnecessary.

90,0,12

Query specification is invalid.

Cause: The query description was formed incorrectly. You could have used the wrong operator or specified an incorrect index.

Action: Check the query specification for syntax and typographic errors.

90,0,13

There is no query in progress. An attempt was made to perform a query after the cursors were closed.

Cause: An attempt was made to perform a query after the cursors were closed.

Action: Check the client application accessing INX. If the client is designed to handle this error, no action is necessary. Otherwise, log out and log back into the client application and retry the operation.

90,0,14

Cannot move/copy folder to its own descendant.

Cause: An attempt was made to move or copy a folder subtree to one of its own descendants.

Action: Check the source or destination folder to verify that you are moving or copying a folder according to the correct folder hierarchy.

90,0,15

No capability (lock) obtained for operation.

Cause: An attempt was made to update a document index or folder record without first locking it.

Action: Obtain a lock before updating a document or folder. To obtain a document lock, call INX_get_single_DIR. To obtain a folder lock, call INX_get_and_lock_folder.

90,0,16

Document index record is not valid.

Cause: An internal program error occurred. The program passed a bad doc_index record.

Action: Contact IBM Software Support for assistance.

90,0,17

Specified document class does not exist.

Cause: A document was referenced with a doc_class that does not exist. This could occur during the committal of a document to a doc_class.

Action: Create the doc_class in the Database Maintenance application.

90,0,18

Specified index does not exist.

Cause: An index was referenced that does not exist. This could have occurred while committing a document.

Action: If the index does not exist, create the index using the Database Maintenance application.

90,0,19

One or more required items is null.

Cause: The required index data is missing.

Action: Enter the required data for this index.

90,0,20

Specified key does not exist.

Cause: A retrieval based on a key condition was attempted, but the key specified does not exist.

Action: Check the retrieval key for spelling errors.

90,0,21

The active session needs the same handle. An attempt was made to use the wrong Session Application Service (SAS) handle.

Cause: An attempt was made to use the wrong Session Application Service (SAS) handle.

Action: Check the client application accessing INX. If the client is designed to handle this error, no action is necessary. Otherwise, log out and log back into the client application and retry the operation.

90,0,22

There are conflicting dates in the folder description.

Cause: An archive or delete date in the folder description contains unexpected data.

Action: Contact IBM Software Support for assistance.

90,0,23

Invalid retention base.

Cause: The database could be corrupted. A document or folder has a retention base value other than FN_rel_to_entry or FN_rel_to_closing.

Action: Verify the integrity of the index database.

90,0,24

DIR not imported from an import batch.

Cause: An internal program error occurred. The document index record (DIR) was not imported during a batch import operation. Either the document already exists or its doc_id is out of range. This condition usually occurs when importing from one optical disk to an optical disk on another system. The target system could already be using this document range.

Action: Contact IBM Software Support for assistance.

90,0,25

Document ID number out of permitted range.

Cause: An internal program error occurred. A user created a document with an ID that was outside the valid document range.

Action: Correct the problem by specifying a document ID within the valid range of 100,000 to 4,000,000,000.

90,0,26

Values for pages outside of allowed range.

Cause: The specified number of document pages is invalid.

Action: Specify a page value within the valid range of 0 to 1000.

90,0,27

Index defined in document class twice.

Cause: While defining or updating an index for a document class, an index was specified that already exists for this document class.

Action: Use sqlplus to check the indexes that have already been defined for this document class. Retry the operation, specifying a unique index.

90,0,28

More than allowed number of indexes for document class.

Cause: An attempt was made to define more than the maximum of 224 indexes for a single document class.

Action: Do not attempt to define more than 224 indexes for a given document class.

90,0,29

System index has wrong type or value.

Cause: The database could be corrupted. One or several of the twelve system-defined indexes have been changed.

Action: Use sqlplus to validate the contents of the user_index table.

90,0,30

Unknown system column.

Cause: An internal program error occurred. A number associated with each of the twelve system-defined indexes exists that is not in the valid range of 1 to 12.

Action: Contact IBM Software Support for assistance.

90,0,31

Two values for the same index are in doc index record.

Cause: An internal program error occurred. One index has two values associated with it.

Action: Contact IBM Software Support for assistance.

90,0,32

Invalid retention disposition.

Cause: The disposition value for a document must be either null (to archive) or 1 (to delete). In this case, it is neither. If this document exists, then this error indicates possible database corruption.

Action: Contact IBM Software Support for assistance.

90,0,33

Invalid index value type in doc index record.

Cause: All indexes are one of five types (floating point number, string, date, time, or menu). This index is not one of those types or it did not match the value in the document index record.

Action: Use sqlplus to check the index type.

90,0,34

Cannot delete doc – still in folders.

Cause: An attempt was made to delete a document that is currently in a folder. Documents in folders cannot be deleted.

Action: Remove the document from its folder then retry the delete operation.

90,0,35

Direction value in query is invalid.

Cause: An internal program error occurred. Queries can move forward or backward through the database, but the first query must be in a forward direction. This first query attempt was in a backward direction.

Action: Perform a forward query first, followed by a backward query.

90,0,36

Current record value in query is invalid.

Cause: During continuous query processing, the program remembers the doc_id number last searched. When the query continues, the program checks the doc_id last searched against the doc_id of where the continuous query actually stopped. When this query continued, the doc_id number returned to the program did not match the doc_id where the continuous query actually stopped.

Action: Contact IBM Software Support for assistance.

90,0,37

Unknown query filter operator.

Cause: An internal program error occurred. An unrecognized operator code was detected in a filter condition.

Action: Check the query filter condition for invalid operators. Valid operator codes are: , (comma), =, AND, OR, and LIKE.

90,0,40

Unrecognized value for document source.

Cause: An internal program error occurred. The document source value is not valid.

Action: The source of input data for this document class must be manual, scanned, OCR, aperture, or some other valid input method. Notify Contact IBM Software Support for assistance.

90,0,41**Function is not implemented for portable database.**

Cause: An internal program error occurred. The attempted operation is not valid for this database type.

Action: Portable databases (PDBs) do not provide the same range of functionality as standing databases. The operation attempted is not allowed for PDBs.

90,0,42**Cannot perform query on non-stored index.**

Cause: An attempt was made to query an index that either does not exist or is not in use. The index range from 1 to 12 is assigned to system-defined indexes. The range from 31 to 255 is for user-defined indexes. An attempt could have been made to access an index in the unused range between 13 and 30.

Action: Use a valid index in the ranges 1 to 12 or 31 to 255.

90,0,43**Invalid document class name.**

Cause: An invalid character was used when defining this document class name. Document class names may not start with numbers or with F_.

Action: Use a valid character to begin the document class name.

90,0,44**Folder is closed.**

Cause: An attempt was made to file a document in an inactive folder. According to its retention definition, the folder has expired, or has been soft deleted (logically deleted from the system). A document can only be filed in an active folder.

Action: Activate the folder using the Database Maintenance application.

90,0,45**Query was interrupted.**

Cause: This is an informational message indicating that a long query has just been interrupted.

Action: A response is not necessary, but you could continue this query after the interruption.

90,0,46**Index in a DIR not defined in document class.**

Cause: An internal program error occurred. The document contains an index that is not part of its assigned doc_class. This index is a part of DOCTABA, but not part of this specific doc_class.

Action: Use the Database Maintenance utility to assign the index to the document class or find a new document class for this document.

90,0,47

DIR update cannot change the document class.

Cause: After a document has been scanned into the system, its document class cannot be changed. It is not possible to move a document from one document class to another.

Action: To assign this document to another document class, re-scan the document as a member of the new document class.

90,0,48

Invalid capability type.

Cause: An internal program error occurred. An update was attempted with an invalid capability type.

Action: Capability structures are used for updates. Values 1 through 6 are used to identify the capability type. Contact IBM Software Support for assistance with this problem.

90,0,49

Attempt to create too many folder levels.

Cause: One folder could have up to eight descendants in a hierarchy.

Action: Restructure your folder environment to include no more than eight folder levels.

90,0,50

No more user columns available.

Cause: The limit has been reached on the creation of user indexes. There can be a maximum of 224 user indexes, which are assigned numbers in the range 31 to 255.

Action: Do not create more than 224 user indexes.

90,0,51

Invalid value(s) in folder description.

Cause: The folder retention value is less than 0. You did not indicate how long the folder should be retained.

Action: Use a retention value that is greater than 0.

90,0,52

Deletion of non-empty folder (but not contents) requested.

Cause: An attempt was made to delete a folder that contains documents. Folders must be empty before they can be deleted.

Action: Unfile documents from this folder then retry the delete operation.

90,0,53

Invalid folder name.

Cause: Folder names must begin with a slash (/) followed by alphanumeric characters. The specified folder name did not conform to this rule.

Action: Enter a valid folder name.

90,0,54

Cannot define system indexes in document class.

Cause: An attempt was made to add a system index to a document class definition.

Action: A system index begins with F_ or has an ID of less than 31. Do not use system indexes in a document class description.

90,0,56**No cluster index is defined.**

Cause: An attempt was made to retrieve a cluster index that does not exist. A cluster index enables documents sharing common index values to be stored in close proximity to one another. Cluster indexes must be defined through the Database Maintenance utility.

Action: Define the cluster index and retry the operation.

90,0,57**Cannot change document class ID.**

Cause: An attempt was made to change the ID number for a document class. This parameter is set when the document class is first created and cannot be changed.

Action: You can modify the doc_class through Database Maintenance by adding indexes, but you cannot change the original parameters of the document class. Do not attempt to change the doc_class ID.

90,0,58**Cannot change document class name.**

Cause: An attempt was made to change the name of the document class. This parameter is set when the document class is first created and cannot be changed.

Action: You can modify the doc_class through Database Maintenance by adding indexes, but you cannot change the original parameters of the document class. Do not attempt to change the doc_class name.

90,0,59**Document class already exists.**

Cause: You tried to use a document class name that is already in use.

Action: Try another name.

90,0,60**Invalid type for user index.**

Cause: When defining an index type, one of the several valid types (string, date, menu, numeric) was not specified.

Action: When defining an index, specify one of the valid index types. Refer to your *System Administrator's Handbook* for descriptions of the valid index types. To download IBM FileNet documentation from the IBM support page, see [**"Accessing IBM FileNet documentation" on page 124.**](#)

90,0,61**Index cluster already exists.**

Cause: A cluster index is used to place documents with common indexes close to one another on disk. The cluster index name must be unique. The name given for this cluster index has already been used for another cluster index.

Action: Use another name for the cluster index and retry the operation.

90,0,62**Invalid capability for specified ID.**

Cause: Before a resource can be modified or stored, you must pass a capability structure that gives you permission to perform the action. The capability structure that was passed is not valid for this ID.

Action: Retry the operation.

90,0,63

Capability not for cluster.

Cause: Before a resource can be modified or stored, you must pass a capability structure that gives you permission to perform the action. The capability structure that was passed is not valid for this ID.

Action: Retry the operation.

90,0,64

Document class not completely defined.

Cause: A step was not completed in the document class creation procedure. An index or a media family was not defined.

Action: Redefine the document class using the Database Maintenance Define/Update Class option. For additional information on Database Maintenance, see the *System Administrator's Handbook*. To download IBM FileNet documentation from the IBM support page, see [**"Accessing IBM FileNet documentation" on page 124.**](#)

90,0,65

Index already exists.

Cause: The specified index name has already been used.

Action: Use another index name and retry the operation.

90,0,66

Capability not for index.

Cause: Before a resource can be modified or stored, you must pass a capability structure that gives you permission to perform the action. The capability structure that was passed is not valid for this ID.

Action: Retry the operation.

90,0,67

Index is already inverted.

Cause: The index has already been defined as a retrieval key, and need not be defined as a key.

Action: Use this index as inverted; it is already defined this way.

90,0,68

Operation is not allowed to a table which is in use by other process

Cause: Before modifying the Oracle database (adding a column to the index database table), the lock must be acquired. The lock cannot be obtained for this operation at this time.

Action: Retry the operation at a later time.

90,0,69

Index is not inverted.

Cause: An attempt was made to use the index as a retrieval key, but it is not defined as a key.

Action: To use this as a key index, redefine this index as a key ("inverted" rather than "non-inverted").

90,0,70

Invalid duplicates specification.

Cause: The dups type (duplicates type) data for the index is corrupted.

Action: Contact IBM Software Support for assistance.

90,0,71

Cannot delete document - document is tabbed.

Cause: An attempt was made to delete a tabbed document. A document that has a tab cannot be deleted. A tab is an annotation attached to a document that is filed in a folder.

Action: Delete the tab, then delete the document.

90,0,72

System index not allowed.

Cause: While modifying or updating an index, an attempt was made to define the index as a system index. A user or client application cannot create a system index.

Action: Define the index as a user index.

90,0,73

Menu not allowed for type.

Cause: The specified menu is not compatible with the index type.

Action: Use the appropriate menu and try the operation again.

90,0,74

Mask not allowed for type.

Cause: The specified mask is not compatible with the index type. For example, a date could have been entered for data that must be in numeric format.

Action: Use the appropriate index mask and try the operation again.

90,0,75

Length allowed for strings only.

Cause: An attempt was made to place a length limit on a non-string index type. Only string indexes should have a length.

Action: Redefine the index without the length parameter, or define it as a string.

90,0,76

Invalid index name.

Cause: The specified index violated syntax rules. Index names must be alphanumeric, 14 characters or less, and cannot begin with **F_**.

Action: Check the syntax and specify a valid index name.

90,0,77

Invalid security name.

Cause: The attempted operation lacks the required security permission.

Action: Certain document classes require the user or application to have a certain security level. See your System Administrator if additional security levels are required.

90,0,78

Buf_len and row data are inconsistent.

Cause: An internal program error occurred. This condition could be due to a program logic error or database corruption.

Action: Contact IBM Software Support for assistance.

90,0,80

Index has an invalid oracle type.

Cause: An internal program error occurred. This condition could be due to a program logic error or database corruption.

Action: Contact IBM Software Support for assistance.

90,0,81

The Index IDs in dcl desc and aperixlocs are different.

Cause: The document class description and aperture card index location (auto-indexing) do not contain the same indexing information.

Action: Use the Database Maintenance application to verify that all indexing information is compatible. Correct any errors that are found.

90,0,82

The claim share count for dict_lock has overflowed.

Cause: The maximum number of INX shared memory locks has been exceeded.

Action: Contact IBM Software Support for assistance.

90,0,83

The claim share count for dict_lock has underflowed.

Cause: The number of INX shared memory lock releases has exceeded the number claims.

Action: Contact IBM Software Support for assistance.

90,0,84

Primary key condition is required to query Archive IS.

Cause: You can only query the archive database using a retrieval query. You cannot use indexes that are not keys. The archive database

contains index information on all expired documents and is stored on optical disk.

Action: Use a retrieval key to query the archive database.

90,0,85

This index does not have validation table.

Cause: An attempt was made to retrieve or use a non-existent validation table. No such table exists for this index.

Action: Associate the validation table with this index.

90,0,86

This document class does not have an aperture card file table.

Cause: An attempt was made to use a non-existent aperture card (bar code) file for auto-indexing.

Action: Create an aperture card file for indexing, and retry the operation.

90,0,88

Validation already exists.

Cause: An attempt was made to create a validation table with a name that already exists.

Action: Specify another name for the validation table.

90,0,89

Aperture card file already exists.

Cause: The name specified for this aperture card file has already been used for another such file.

Action: Specify a different file name.

90,0,90

Aperture card index location already exists.

Cause: The index specified has already been defined.

Action: Choose another aperture card index.

90,0,91

Validation not allowed for this index type.

Cause: An attempt was made to create a validation table for a non-string index, such as a date, number, or menu. Validation tables are can only be specified for string indexes.

Action: Do not create a validation table for this index or redefine the index as a string type.

90,0,92

The menu name must be alphanumeric.

Cause: The menu name is either missing or non-alphanumeric.

Action: Verify that the menu name exists.

90,0,93

Menu does not exist.

Cause: A document class index has been defined for a menu index which does not exist in the user index.

Action: Build a menu using the Database Maintenance Define/Update Index option. For additional information on Database Maintenance, see the *System Administrator's Handbook*. To download IBM FileNet documentation from the IBM support page, see [**"Accessing IBM FileNet documentation" on page 124.**](#)

90,0,94

The validation table name must be alphanumeric.

Cause: The validation table name is either missing or non-alphanumeric.

Action: Verify that the validation table name exists.

90,0,95

Validation table does not exist.

Cause: A document class index has been defined for a validation table which does not exist in the user index.

Action: Build a validation table using the Database Maintenance Define/Update Index option. For additional information on Database Maintenance, see the *System Administrator's Handbook*.

90,0,96

The number of items in validation_tab(_items) are different.

Cause: The number of actual validation_tab items stored differs from the number indicated in the validation_tab table.

Action: Contact IBM Software Support for assistance.

90,0,97

The number of menu items in menu and menu_items are different.

Cause: The number of actual menu items stored differs from the number indicated in the menu table.

Action: Contact IBM Software Support for assistance.

90,0,98

Update operation not allowed since archiving is in progress.

Cause: An attempt was made to update the index database while it was being archived.

Action: Retry the update after archiving has completed.

90,0,99

Cluster space number is not zero relative: run dbupgrade.

Cause: The cluster space base number is not zero.

Action: Run dbupgrade to correct the problem.

90,0,100

The highest cluster space number has been reached

Cause: The highest available cluster space number has been reached.

Action: Disable the surface for writes.

90,0,101

Renumbering of folder ordinal failed.

Cause: An ordinal collision was encountered. To resolve it, a failed attempt was made to renumber the ordinals of the folder_id in the folder_contents table.

Action: Contact IBM Software Support for assistance.

90,0,102

Operation not allowed since query is in progress.

Cause: An operation was attempted that might close a current query's select cursor by way of a rollback.

Action: After the query has completed, retry the operation.

90,0,103

Cannot delete cluster index while in use by document classes. Check the error log for their names.

Cause: The cluster index cannot be deleted because it is in use by one or more document classes.

Action: Remove the cluster index from the document class or classes before attempting the delete.

90,0,104

Precision and scale specified in numeric index mask cause overflow.

Cause: On an Windows Server platform with a SQL server database, index services detected a numeric mask with precision or scale that does not match the MS SQL server configuration.

Action: Verify that the numeric index mask configured in Database Maintenance matches the precision and scale specified for numeric mask on the MS SQL Server. The precision is the number of digits shown on the left side of the decimal point. The scale is the number of digits shown on the right side of the decimal point. You could enlarge this value using the **enlarge_ncol** command.

For additional information see the Database Maintenance and Commands chapters in the *System Administrator's Handbook*. To download IBM FileNet documentation from the IBM support page, see [**"Accessing IBM FileNet documentation" on page 124.**](#)

90,0,105

Client software attempted to perform a logon to INX with INX_LOGON_USE_SCT_NAMES (pass access rights as names) set. This is prohibited.

Action: The client software should be changed to not set INX_LOGON_USE_SCT_NAMES.

90,0,108

Cannot delete menu while in use by an index(s).

Cause: An attempt was made to delete a menu that is in use by one or more indexes.

Action: Remove the menu from the index or indexes before attempting to delete the menu.

90,0,109	<p>Cannot delete validation table while in use by an index(s).</p> <p>Cause: An attempt was made to delete a validation table that is in use by one or more indexes.</p> <p>Action: Remove the validation table from the index or indexes before attempting to delete the validation table.</p>
90,0,110	<p>Courier reject message received, see error log for details.</p> <p>Cause: The server rejected the remote procedure call.</p> <p>Action: Examine the error log to determine the cause.</p>
90,0,1000	<p>out of memory</p> <p>Cause: An out-of-memory condition occurred.</p> <p>Action: Determine which application or process is using a large amount of memory, what is it processing, and whether the action is appropriate or not. If there is no unusual or unexpected memory usage, then the machine may be underconfigured.</p>
90,0,1001	<p>maximum token size exceeded.</p> <p>Cause: Query parsing error.</p> <p>Action: Correct the syntax and retry the operation.</p>

90,0,1002	<p>numeric constant pool overflow.</p> <p>Cause: Query parsing error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1003	<p>string constant pool overflow.</p> <p>Cause: Query parsing error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1005	<p>Simple condition parser error.</p> <p>Cause: Query parsing error.</p> <p>Action: Contact IBM Software Support for assistance.</p>
90,0,1006	<p>Unacceptable first operator of range.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1007	<p>Syntax error in first part of range definition.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1008	<p>Unacceptable second operator of range.</p> <p>Cause: Query error.</p>

Action: Correct the syntax and retry the operation.

90,0,1009 Syntax error in second part of range definition.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1010 Range parser error.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1011 Integer expected.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1012 Positive integer expected.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1013 KEYWORDS expected.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1014	<p>Left parenthesis expected.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1015	<p>More keywords than allowed by integer.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1016	<p>String constant expected.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1017	<p>Comma or right parenthesis expected.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1018	<p>OF expected.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1019	<p>Operand expected.</p> <p>Cause: Query error.</p>

Action: Correct the syntax and retry the operation.

90,0,1020

Where condition, expression type mismatch.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1021

Where condition expression and operator incompatible.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1022

Illegal where condition – unexpected end.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1023

Illegal key constant.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1024

Illegal key constant, unparenthesized.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1025 Illegal key constant; comma or right paren expected.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1026 FIND expected.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1027 Identifier not a table id.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1028 Table id expected.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1029	VIA expected. Cause: Query error. Action: Correct the syntax and retry the operation.
90,0,1030	Key identifier expected. Cause: Query error. Action: Correct the syntax and retry the operation.
90,0,1031	Identifier expected. Cause: Query error. Action: Correct the syntax and retry the operation.
90,0,1032	Key operator expected. Cause: Query error. Action: Correct the syntax and retry the operation.
90,0,1033	Key condition expected. Cause: Query error. Action: Correct the syntax and retry the operation.

90,0,1034	<p>Range expected.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1035	<p>Key value expected in range condition.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1036	<p>Illegal key constant list.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1037	<p>Parse stack overflow.</p> <p>Cause: Query parsing error.</p> <p>Action: Contact IBM Software Support for assistance.</p>
90,0,1038	<p>Illegal syntax for query parameter.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1039	<p>Illegal syntax for floating point constant.</p> <p>Cause: Query error.</p>

Action: Correct the syntax and retry the operation.

90,0,1040

Illegal hex constant.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1041

Query parameters not implemented.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1042

internal op array overflow.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1043

Arithmetic operators not implemented.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1044

internal constants array overflow.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1045 Allocate constant error: unknown constant type.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1046 Missing right string quote.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1047 Deallocate constant error, index < 0.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1048 Illegal operator for date column.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1049 Illegal operator for time column.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1050 Date string not a constant.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1051

Time string not a constant.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1052

Numeric string not a constant.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1054

Unary operators not implemented.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1055

Identifier in where exp not db col id.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1056

Expression operand mismatch for menuchoice type.

Cause: Query error.

Action: Correct the syntax and retry the operation.

- 90,0,1057** **Illegal operator on menuchoice type.**
Cause: Query error.
Action: Correct the syntax and retry the operation.
- 90,0,1058** **Too many elements in key constant.**
Cause: Query error.
Action: Correct the syntax and retry the operation.
- 90,0,1059** **Too many keyword list constants.**
Cause: Query error.
Action: Correct the syntax and retry the operation.

90,0,1060	<p>Multi-part keys not implemented.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1061	<p>Length of parsed query area too small.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1062	<p>More items in key constant than in key.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1063	<p>Length of menu item 1 char.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1064	<p>Illegal key constant type.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>

90,0,1065	<p>This logical operator not implemented.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1066	<p>illegal value for poolx.</p> <p>Cause: Query parsing error.</p> <p>Action: Contact IBM Software Support for assistance.</p>
90,0,1067	<p>illegal db column type.</p> <p>Cause: Query parsing error.</p> <p>Action: Contact IBM Software Support for assistance.</p>
90,0,1068	<p>illegal expression type.</p> <p>Cause: Query parsing error.</p> <p>Action: Contact IBM Software Support for assistance.</p>
90,0,1069	<p>illegal what param to main.</p> <p>Cause: Query parsing error.</p> <p>Action: Contact IBM Software Support for assistance.</p>
90,0,1079	<p>Error: MAXRESWD too small.</p> <p>Cause: Query parsing error.</p>

Action: Contact IBM Software Support for assistance.

90,0,1080

Keyword lists not implemented.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1081

Illegal key condition type.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1083

Number of key items is wrong.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1084

Error: off end of area.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1085

Illegal key compare operator.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1086	<p>Illegal id state for scanner.</p> <p>Cause: Query parsing error.</p> <p>Action: Contact IBM Software Support for assistance.</p>
90,0,1087	<p>Extra stuff at end of key condition.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1089	<p>F_DOCCLASSNAME mismatch: not stg const.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1090	<p>F_DOCCLASSNAME illegal operator.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1092	<p>Illegal use of DEFINED.</p> <p>Cause: Query error.</p> <p>Action: Correct the syntax and retry the operation.</p>
90,0,1093	<p>menu item name not found.</p> <p>Cause: Query parsing error.</p>

Action: Contact IBM Software Support for assistance.

90,0,1094 LIKE expected after NOT.

Cause: Query error.

Action: Correct the syntax and retry the operation.

90,0,1095 Error: output unknown op.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1096 Illegal type left operand of binary op.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1097 F_DOCTYPE compared to expression of inappropriate type.

Cause: Syntax error in query statement.

Action: Correct the syntax and retry the operation.

90,0,1098 F_DOCTYPE compared to expression using operator other than = or !=.

Cause: Syntax error in query statement.

Action: Correct the syntax and retry the operation.

90,0,1099 F_DOCTYPE implementation error -- zero len constant string.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,0,1100 F_DOCTYPE compared against a string that is too long.

Cause: Query parsing error.

Action: Verify that the value specified for F_DOCTYPE in the client application is valid.

90,0,1101 F_DOCTYPE compared against illegal string value.

Cause: Query parsing error.

Action: Verify that the value specified for F_DOCTYPE in the client application is valid.

90,0,1102 F_DOCTYPE != 'string' requires string length = 1.

Cause: Query parsing error.

Action: Verify that the value specified for F_DOCTYPE in the client application is valid.

90,1,1**Function is not implemented**

Cause: An operation was attempted that is not allowed for one of the following reasons: archiving is in process, a client tried to perform an invalid local security logon, or a client attempted to perform an invalid Folder or DIR free operation.

Action: If archiving, wait for archiving to complete. If not archiving, verify that the client application is not attempting to perform these invalid operations.

90,1,2**Conversion from database type to INX type not supported.**

Cause: An internal program error occurred. A conversion from Oracle to FileNet Index Services was attempted, but could not be performed.

Action: Contact IBM Software Support for assistance.

90,1,3**Could not initialize server.**

Cause: The INX server is not active, or a network-related problem occurred.

Action: Verify that the INX server is operational. If the server is running, contact the System Administrator to determine if network problems have occurred.

90,1,4**Incorrect data passed across network.**

Cause: Index Services has received unexpected data. For example, Index Services could have expected a certain number of values to be passed across the network, but received either more or less.

Action: Try the operation again. If the condition persists, contact IBM Software Support for assistance.

90,1,5

Received string which exceeds size of buffer.

Cause: A string index has a maximum length. The data passed is longer than the maximum allowed.

Action: Retry the operation. If the problem persists, reduce the string length and retry the operation.

90,1,6

Fork of child process failed.

Cause: This indicates a UNIX®-based error occurred. A duplicate copy procedure failed.

Action: If the problem persists, contact IBM Software Support for assistance.

90,1,7

Bad data found in database.

Cause: The database could be corrupted. For example, a column in one of the tables contains invalid data.

Action: Contact IBM Software Support for assistance.

90,1,8

Internal error in index services.

Cause: An internal program error occurred. There could be a variety of causes: a bad session handle, the wrong data type passed, and so on.

Action: Contact IBM Software Support for assistance.

90,1,9

Neither id nor name specified for dictionary get desc function.

Cause: An attempt was made to locate information in the data dictionary, such as a document class or retrieval key, but no ID or name was given.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

90,1,10

Unrecognized version parameter on abst_link call.

Cause: This version of the INX shared library is incompatible with the program that is trying to link to it. This problem is typically the result of either an incomplete software installation, or a problem that occurred during an update of a single module in the system.

Action: Use the stamp tool to determine the current version of the INX shared library. Reconstruct the shared library file by restoring your FileNet Release partition. If the problem persists, contact IBM Software Support for assistance.

90,1,11

No Courier connection open.

Cause: A connection must be open to perform INX operations. Index Services has failed to open a connection before attempting an operation.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

90,1,12**Already have Courier connection open.**

Cause: Index Services attempted to open a network connection that was already open.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

90,1,13**Unknown remote procedure number presented to server.**

Cause: Each function has a remote procedure number. An unrecognized number was passed to the server.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

90,1,14**Unknown Courier msg_type.**

Cause: A network-related error occurred.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

90,1,15**No dictionary for specified id.**

Cause: A retrieval on doc_ids was attempted on a non-existent ID.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

90,1,16

INXI internal error in move_sys_col

Cause: While moving the value of a FileNet system column from the DIR to a doc_desc structure a type mismatch could have occurred.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

90,1,17

Call to expand non-existent buffer made.

Cause: Internal program error occurred. An attempt was made to allocate more buffers, but there were none available.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

90,1,18

Requested service name does not exist.

Cause: An NCH database error occurred. An attempt was made to connect to a non-existent network service. The configuration of the requested service in the Network Clearinghouse database could be incorrect.

Action: Check the configuration parameters of the requested service in the NCH database. If necessary, use the Configuration Editor to edit and rebuild the Network Clearinghouse database.

90,1,19

Unrecognized INX service definition level in NCH record.

Cause: The configuration of the requested service in the Network Clearinghouse database could be incorrect.

Action: Check the configuration parameters of the requested service in the NCH database. If necessary, use the Configuration Editor to edit and rebuild the Network Clearinghouse database.

90,1,20

Only one INX background process to run per database.

Cause: An attempt was made to run two INX_bg processes, but only one can exist. INX_bg keeps the data dictionary in memory and updates the database periodically.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

90,1,21

Ran off end of import buffer.

Cause: An import error occurred.

Action: Contact IBM Software Support for assistance.

90,1,22

Unrecognized IS definition in NCH record.

Cause: The configuration of the Network Clearinghouse database could be incorrect.

Action: Check the configuration parameters of the NCH database. If necessary, use the Configuration Editor to edit and rebuild the Network Clearinghouse database.

90,1,23	<p>Attempt to get exclusive dictionary lock when lock is shared</p> <p>Cause: The operation attempted to lock exclusively a dictionary that has already been locked by another pending operation.</p> <p>Action: Retry the operation.</p>
90,1,25	<p>Query result caused internal buffer to overflow.</p> <p>Cause: Query parsing error.</p> <p>Action: Contact IBM Software Support for assistance.</p>
90,1,26	<p>Exceeded page size. DB2(R) support only.</p> <p>Cause: The new DB2 column size exceeds the page size.</p> <p>Action: Enter a column size that does not exceed the page size.</p>
90,1,27	<p>A non-supported DB2 page size is detected. Image Services will not function correctly until after the page size is enlarged to 8K or greater. Contact DB Administrator to resolve this problem. If this is an upgrade, an export and reimport of the database may also be required.</p> <p>Cause: The DB2 page size is not large enough.</p> <p>Action: Increase the page size to 8K or greater.</p>
90,1,35	<p>This occurred because an attempt was made to update the retention of a document in an invalid way. Retention may not be shortened. Retention based on entry</p>

(CHRON) or closed (EBR) may not be changed to Active (EBR). These are invalid retention updates.

Cause: An attempt was made to change the retention setting on a document to a new value that is incompatible with the current retention setting.

Action: Verify that you are using the correct document ID, and that you are attempting an appropriate retention change action.

90,3,11

Illegal key condition type.

Cause: Query parsing error.

Action: Contact IBM Software Support for assistance.

90,5,1

Activity Log count should never be greater than 1 per process. Abort due to software logic errors.

Cause: An internal error caused the Activity Log count to be greater than 1 per process.

Action: Contact IBM Software Support for assistance.

90,6,2

Document index data exceeds maximum size for export to CE

Cause: The new document index record size exceeds the maximum allowed size for the IS-CE export_log table. The document will not be exported to CE.

Action: If this index record must be exported, contact IBM Software Support for assistance.

90,6,3

Only one CE Export process may run at one time.

Cause: The operation attempted to claim the export interlock, but another pending operation has already claimed it.

Action: Retry the operation.

90,6,4

User must have administrative privilege to run CE export tool

Cause: The current user does not have the right privileges to run the CE export tool.

Action: Login as a user with administrative privileges, then run the CE export tool.

90,6,5

Invalid command-line arguments were specified to the CE export tool

Cause: The command line arguments passed to the CE export tool are invalid.

Action: Reference the System Tools Reference Manual for the correct command line arguments.

90,6,6

The specified document class configuration file (ce export) was not found

Cause: The XML file passed to the CE export tool could not be found.

Action: Specify the correct file name.

90,6,7 The ce export tool was unable to find the default IS system for the domain

Cause: The CE export tool was unable to access the IMS description information from the NCH.

Action: Verify that the program is running locally on an index server. Verify that the NCH database is not corrupt.

90,6,8 The ce export tool was unable to retrieve a value for the default IS system

Cause: The CE export tool was unable to access the IMS value for the Domain from the NCH.

Action: Verify that the program is running locally on an index server. Verify that the NCH database is not corrupt.

90,6,9 The ce export tool was unable to retrieve a description for the Index Server

Cause: The CE export tool was unable to access the INX description for the domain.

Action: Verify that the program is running locally on an index server. Verify that the NCH database is not corrupt.

90,6,10 The ce export tool was unable to retrieve an address for the Index Server

Cause: The CE export tool was unable to access the INX address for the domain.

Action: Verify that the program is running locally on an index server. Verify that the NCH database is not corrupt.

90,6,11

The ce export tool or INX_ce_log_doc entry point must run locally on the Index Server

Cause: An attempt was made to run the CE export tool on a server other than the Index Server.

Action: Run the CE export tool on the Index Server.

90,6,12

The ce export tool was unable to install signal handlers (undefined)

Cause: An internal error occurred while configuring the CE export tool signal handlers. This could be due to an operating system issue.

Action: Reference the Image Services error log.

90,6,13

The ce export tool did not detect a valid XML tag

Cause: An error occurred parsing the XML file.

Action: Correct the XML file syntax.

90,6,14

The ce export tool encountered an invalid array index for an XML child tag

Cause: An error occurred parsing the XML file. An invalid child tag index was found.

Action: Correct the XML file syntax.

-
- 90,6,15** **The ce export tool detected an invalid XML tag value**
- Cause:** An error occurred parsing the XML file. An invalid XML tag value was found.
- Action:** Correct the XML file syntax.
-
- 90,6,16** **The ce export tool detected document class entries with overlapping document ranges**
- Cause:** The CE export tool detected document class entries with overlapping (duplicate) document ranges in the input XML export file.
- Action:** Correct the XML export file and retry the operation.
-
- 90,6,18** **The ce export tool failed to process the document class**
- Cause:** Errors were encountered by the CE export tool while processing the current document class. The current class was skipped, and the next class was processed.
- Action:** Reference the FileNet Image Services error log.
-
- 90,6,21** **The Object Store GUID has not been configured on this IS system.**
- Cause:** The Object Store GUID must be configured on this system to complete the operation.
- Action:** Reference the System Tools Reference Manual for configuration information.

-
- 90,6,25** **CE ID could not be found in the CE_ID_MAP table.**
Cause: The CE OS ID is missing from the CE_ID_MAP table.
Action: Add the missing CE OS ID to the CE_ID_MAP table.
- 90,6,28** **Invalid parameter passed to internal routine. See sys_log for explanation.**
Cause: During a CE operation an invalid parameter was passed to an internal routine.
Action: Reference the FileNet Image Services error log.
- 90,6,29** **Invalid or unsupported action. See sys_log for explanation.**
Cause: During IM-CM integration logging a critical and unexpected error occurred.
Action: Contact IBM Software Support for assistance.
- 90,6,33** **Object Store GUID duplicate. Object Store GUID is being used by another CE Domain.**
Cause: The same Object Store GUID is being used by two different CE Domains.
Action: Reconfigure the Object Store to generate a new GUID.
- 90,6,35** **Implicit delete of an Object Store is not allowed via the INX_ce_config_object_store_dcl_map entry point. The**

default Object Store must be first removed from IS by using the RAC IS Catalog Export Tool prior to this.

Cause: There was an operation that attempted to implicitly delete an Object Store DCL relationship where the Object Store is also the DCL default Object Store.

Action: Remove the default Object Store from FileNet Image Services by using the RAC IS Catalog Export Tool prior to this operation.

90,6,36

The Object Store to DCL map must first be configured via EM before default Object Store DCL can be set. The Object Store GUID has not been configured for the DCL. There is no entry in the CE_OS_DCL_MAP table.

Cause: The CE operation encountered a document class that is not mapped to a default object store.

Action: Configure the Object Store to DCL map through Enterprise Manager.

90,6,38

Invalid GUID format. The following format is expected
'{ - - - - }'

Cause: The GUID entered is the wrong format.

Action: Enter the GUID in the following format: '{XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX}'

90,6,39

The export.xml file does not exist

Cause: The export.xml file was not found at its expected path.

Action: Verify that the export.xml file exists.

90,6,40

Could not open export.xml file

Cause: An error was encountered while attempting to open the export.xml file.

Action: Verify the export.xml file exists. See the FileNet Image Service error log.

90,6,41

No document classes specified for export

Cause: No document classes were specified for the Content Engine export operation.

Action: Specify the document classes.

90,6,42

Could not delete export.xml file

Cause: The export.xml file could not be deleted after the Content Engine export operation.

Action: Reference the FileNet Image Services error log.

90,6,43

Could not append status information to export_n.xml file

Cause: An error occurred while trying to open the export_n.xml for an append operation.

Action: Reference the FileNet Image Services error log.

-
- 90,6,45** **Document Class as indicated in the elog does not have a default Object Store configured. Use the RAC IS Catalog Export Tool to set the default Object Store.**
- Cause:** The Document Class as indicated in the elog does not have a default Object Store configured.
- Action:** Use the RAC IS Catalog Export Tool to set the default Object Store.
-
- 90,6,46** **The value of the magic number parameter is invalid**
- Cause:** An invalid magic number was detected by Security.
- Action:** Contact IBM Software Support for assistance.
-
- 90,6,47** **Specified CE domain name cannot be found or has duplicate entries. Please confirm the name is not NULL and correctly spelled. For duplicate entries, consult your service representative for correction actions.**
- Cause:** The specified Content Engine domain name cannot be found or has duplicate entries (that is, the same domain name might be found under more than one domain GUID).
- Action:** Confirm the name is not NULL and correctly spelled. For duplicate entries, consult IBM Software Support for corrective actions.
-
- 90,6,48** **Cannot determine time zone & daylight saving on the Root/Index Server. Please confirm the TZ environment variable is correctly set for UNIX; or the 'time zone' is**

correctly selected on Windows via Control Panel-> 'Date and Time' option.

Cause: While retrieving local time zone and daylight savings time (DST) information, the time zone and daylight savings on the Root/Index Server could not be determined.

Action: Confirm that the TZ environment variable is correctly set for UNIX, or that the 'time zone' is correctly selected on Windows through the Control Panel 'Date and Time' option.

90,6,49

The CFS-IS Import Agent encountered some configuration error. Refer to the error log on the Content Engine server for more information. The export log entry will not be deleted.

Cause: The document could not be migrated to the Content Engine by the IS_import_agent because of the configuration errors encountered.

Action: Reference the error log on the Content Engine server for more information.

90,6,51

This indicates the request for this document has not been processed.

Cause: The document was not processed.

Action: Reference the FileNet Image Services error log.

90,6,53

The specified num_dirs is incorrect/inconsistent. (API error)

Cause: An invalid num_dirs value was encountered during processing.

Action: Contact IBM Software Support for assistance.

90,6,54

No doctaba update will be done because the before image specified in the client's current DIR does not match the one in doctaba.

Cause: The before image specified in the client's current DIR is out of sync with the one in doctaba.

Action: Examine data in the properties from both the FileNet Image Services and Content Engine sides. If the Image Services data is correct, re-export the document. If the Content Engine data is correct, then contact IBM Software Support for the method to get the Content Engine data to override the Image Services data.

90,6,55

The specified total length does not match the sum of all individual record's length. This is usually a client error. (API error)

Cause: A client-side data serialization error has occurred.

Action: Check that the client application is providing the correct information in the INX API call.

90,6,56

The specified total length does not match the sum of all individual record's length. This is usually a server calculation error. (API error)

Cause: A server-side data serialization error has occurred.

Action: Contact IBM Software Support for assistance.

-
- 90,6,57 The two lists of dirs that passed in to INX_update_DIRS do not have matching doc ids. (API error)**
- Cause:** The document IDs of the two lists of dirs passed to INX_update_DIRS do not match.
- Action:** Contact IBM Software Support for assistance.
-
- 90,6,59 Cannot change the ce_os_id.**
- Cause:** An attempt was made to change the ce_os_id system field.
- Action:** Repeat the update operation, but do not attempt to change the ce_os_id system field.
-
- 90,6,60 Client has attempted to send in more than 50 doctaba records in a batch to process. (API error)**
- Cause:** An attempt was made to update or delete more than the allowed limit of Document Index Records (DIRs) in a single call.
- Action:** Change the calling client application to update or delete no more than the allowed limit of 50 records in a single remote procedure call.
-
- 90,6,61 IS programing error. See syslog.**
- Cause:** An internal error occurred during index database processing.
- Action:** Reference the FileNet Image Services error log.

90,6,63**Cannot change the key type other than to NULL type.**

Cause: During the DIR update operation it was found that the current properties list and the new properties list have property types that do not match. The property types can only be changed to NULL-type.

Action: Contact IBM Software Support for assistance.

90,6,100**Skip delete since the ce_os_id passed in does not match this doctaba record.**

Cause: The delete operation was skipped because the ce_os_id system field did not match the doctaba record.

Action: Contact IBM Software Support for assistance.

90,6,101**Invalid ce_os_id.**

Cause: The ce_os_id system field value for the delete operation is outside the range of valid values.

Action: Contact IBM Software Support for assistance.

90,6,102**Skip dereplicate since the ce_os_id passed in does not match this doctaba record.**

Cause: The dereplicate operation was skipped for the ce_os_id system field because it does not match the doctaba record.

Action: Contact IBM Software Support for assistance.

90,6,152**Document object store not updated. 'Current' setting mismatch for existing document.**

Cause: The existing document and ssn do not match expected results for the Content Engine object store. There is a 'Current_mapping' setting mismatch.

Action: Correct the setting and retry the operation.

90,6,153**Document object store not updated. 'Original' setting mismatch for existing document.**

Cause: The existing document and ssn do not match expected results for the Content Engine object store. There is a 'Original_mapping' setting mismatch.

Action: Correct the setting and retry the operation.

90,6,154**Existing foreign document does not match expected results for CE object store. Doc_class setting and doctaba setting mismatch.**

Cause: The existing document and ssn do not match expected results for the Content Engine object store. There is a Doc_class setting and doctaba setting mismatch.

Action: Correct the setting and retry the operation.

90,6,170**Invalid replication group action.**

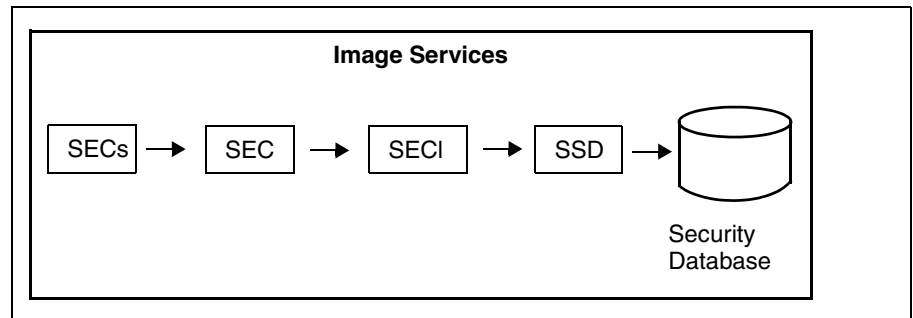
Cause: An invalid replication group action was attempted. This could be an internal error.

Action: Contact IBM Software Support for assistance.

SEC (92) Messages

The Security (SEC) shared library uses the SSD shared library to access the security database, Sec_DB0. The security database contains security information for all objects (users, groups, devices), the security service, each direct membership occurrence, and each function name and class.

Security information is stored with the data. For example, document security information is stored with the document indexing information in the index database and permanent database. Annotation security is stored in the permanent database.



SEC Shared Library Diagram

This section has information about SEC and SSD error codes, which begin with "92." Each entry has an error code, an error message, a possible cause, and an action.

92,0,1**SEC error other than in protocol definition.**

Cause: Either Image Services encountered an incorrect version of the SEC module or an RPC error was encountered.

Action: Install the version of the SEC module that matches the installed version Image Services. If the problem persists, contact IBM Software Support for assistance.

92,0,13**This object contains access restrictions which are not defined here.**

Cause: The object is owned by a group that is not defined on the local system.

Action: In the local security database, define any groups that are unable to access the object.

92,0,14**Service logon may not be done after a SEC_logon.**

Cause: A user logged on before the service logged on.

Action: Contact IBM Software Support for assistance.

92,0,15**The specified credential could not be found in the environment during logoff. Most likely the source credential data has been overwritten (as designed).**

Cause: Most likely the source credential has already been logged off or it has been overwritten.

Action: Have an application programmer to update the code to prevent forgotten logoffs.

92,0,93**An invalid session number was supplied.**

Cause: An internal software error occurred.

Action: Contact IBM Software Support for assistance.

92,0,94**Invalid information type field.**

Cause: An unknown INFO type has been received by a processing entry point.

Action: Have an application programmer use the “INFO defines” that are declared in SEC.defs.

92,0,95**The name provided is not of a valid syntax.**

Cause: A group name or a user name has invalid characters.

Action: Update the group name or user name so that it consists of only allowable characters.

92,0,96**An invalid parameter was supplied.**

Cause: An invalid parameter was used in a function call.

Action: Have an application programmer provide accurate data for the parameter.

92,0,97**Access to the security data base is refused.**

Cause: The user is not authorized to access the security database.

Action: Assign security privileges to the user trying to access the security database.

92,0,98**A duplicate logon was performed.**

Cause: A duplicate logon was performed while the user is already logged on.

Action: Examine your application for duplicate logons.

92,0,99**The user has already reached the maximum allowable number of sessions.**

Cause: The user has exceeded the maximum number of sessions allowed.

Action: Either close some open sessions or re-configure the maximum number of sessions allowed to a higher number.

92,0,100**Cannot remove inheritance if logged on.**

Cause: An active user is logged on.

Action: Log off all active users.

- 92,0,101** **Too many options were passed for this data structure.**
Cause: Too many options were passed in during an insert or update operation.
Action: Have an application programmer reduce the number of options that are passed to this data structure.
- 92,0,102** **An invalid object class was specified.**
Cause: An invalid object class was specified during a create or insert operation.
Action: Have an application programmer add the invalid object class as a valid option for the create and insert operations.
- 92,0,103** **An invalid device class was specified.**
Cause: An invalid device class type was passed in during the create operation.
Action: Have an application programmer add the device class as a valid option for the create operation.
- 92,0,104** **An invalid administrative class was specified.**
Cause: The administrative class value is not set to either TRUE or FALSE.
Action: Have an application programmer update the administrative class value to either TRUE or FALSE.

- 92,0,105** **The current time is not within the restricted time range.**
Cause: The specified time is out of the allowable time range.
Action: Retry the action at a time that is within the allowable time range.
- 92,0,106** **An invalid session override value was specified.**
Cause: The system override value is not set to either TRUE or FALSE.
Action: Have an application programmer update the session override value to either TRUE or FALSE.
- 92,0,107** **An invalid maxsessions value was passed to SEC.**
Cause: The maximum session number is greater than the maximum number that is configured for security services.
Action: Have an application programmer update the application so that it does not use more than the maximum number of sessions that is configured for security services.
- 92,0,108** **A duplicate object already exists in the database.**
Cause: A client application tried to add an object to the security database that has the same name as an existing object.
Action: Have an application programmer update the client application so that the security object name is unique.

- 92,0,109** **The object name provided was in an incorrect format.**
Cause: The object name did not pass the name validation process.
Action: Have an application programmer correct the format that is associated with the object name.
- 92,0,110** **The comments length provided exceeded the maximum allowable length.**
Cause: The number of characters in the Comments field is greater than the maximum amount of characters that are allowed.
Action: Reduce the number of characters that are in the Comments field. The maximum length is 79 characters.
- 92,0,111** **An invalid object filter was passed to SEC**
Cause: An invalid SEC_object_opt_typ was passed to the update or insert operation.
Action: Have an application programmer pass a valid SEC_object_opt_typ value for the update and insert operation.
- 92,0,112** **An invalid system filter was passed to SEC.**
Cause: An invalid system filter was found during an update operation.
Action: Have an application programmer pass a valid system filter value for the update operation.

- 92,0,113 An invalid log field was passed to SEC.**
Cause: An invalid log value was used in one of the logging options.
Action: Have an application programmer pass a valid log value for the logging operation.
- 92,0,114 An invalid device security value was passed to SEC.**
Cause: An invalid security device value was passed to SEC.
Action: Have an application programmer update the security device option to either TRUE or FALSE.
- 92,0,115 An invalid no-function-definition-ok value was passed to SEC.**
Cause: An invalid no-function-definition-ok value was passed to SEC.
Action: Have an application programmer update the no-function definition-ok option to either TRUE or FALSE.
- 92,0,116 The special character designator provided is not valid.**
Cause: An invalid password special character value was passed to security service.
Action: Have an application programmer update the password special character option to either TRUE or FALSE.

- 92,0,117** **The minimum enforced password length in the system defaults is out of range.**
- Cause:** The password length that was passed to the security shared library is not within the defined range for the password length.
- Action:** Re-enter the password.
-
- 92,0,118** **An invalid password aging value was passed to SEC.**
- Cause:** An invalid password aging value was passed to security services.
- Action:** Contact IBM Software Support for assistance.
-
- 92,0,119** **An invalid number of password attempts was passed to SEC.**
- Cause:** The user exceeded the maximum number of password attempts.
- Action:** Have a system administrator unlock the user's password.
-
- 92,0,120** **An invalid password-suspending time was passed to SEC.**
- Cause:** An invalid password-suspending time was passed to security services.
- Action:** Have an application programmer provide a valid value for this data type.

- 92,0,121** **An invalid password-memory time limit was passed to SEC.**
Cause: An invalid password-memory time limit was passed to security services.
Action: Have an application programmer provide a valid value for this data type.
- 92,0,122** **An incorrect key_num type was passed to SEC.**
Cause: An invalid key number was passed to security services.
Action: Contact IBM Software Support for assistance.
- 92,0,123** **The member id and group id were identical. This is illegal.**
Cause: A member ID and group ID were incorrectly set with identical values.
Action: Have a system administrator correct the member and group IDs that were reported in the error.
- 92,0,124** **The service specified does not exist.**
Cause: The local security service that was specified during fnlogon cannot be located in the Network Clearinghouse database.
Action: Ensure that you entered the local security service correctly or use the default local security service by pressing the carriage return key at the fnlogon prompt.

92,0,125**The device security prevents access.**

Cause: Device security is enforced for the logon session.

Action: Ensure that the user has membership in the device and the logon session is within the specified access times.

92,0,126**The object is required to be of the user class.**

Cause: An attempt was made to logon as a security object other than a user.

Action: Logon as a user.

92,0,127**The device name provided is in an incorrect format.**

Cause: The terminal device name that was provided to security services at logon has an incorrect format.

Action: Have an application programmer update the format for the terminal device name that is supplied at logon.

92,0,128**A bad magic number was discovered in memory.**

Cause: An invalid magic number has encountered in the local cache.

Action: Contact IBM Software Support for assistance.

- 92,0,130** **The account has expired and is no longer valid.**
Cause: The expiration date for this account has passed, and the account can no longer be used.
Action: Contact a system administrator for assistance with the expired account.
- 92,0,131** **DN data exceeds maximum length allowed.**
Cause: The distinguished name that was used exceeds the maximum length allowed.
Action: Have an application programmer reduce the length of the distinguished name.
- 92,0,132** **A bad service name was provided.**
Cause: The local security service that was specified during fnlogon cannot be located in the Network Clearinghouse database.
Action: Verify that you entered the local security service correctly or use the default local security service by pressing the carriage return key at the fnlogon prompt.
- 92,0,133** **DN buffer size too short.**
Cause: The expected distinguished name that was received is too short.
Action: Have an application programmer verify that the value of the size parameter is the actual length of distinguished name.

- 92,0,136** **The function call executed is not legal.**
Cause: The client application performed an incorrect action.
Action: Have an application programmer examine the function call that is reported in the error.
- 92,0,138** **The function name provided was in an invalid format.**
Cause: During a function operation, the function name was not given.
Action: Have an application programmer provide the function name during a function operation.
- 92,0,139** **The calculated duration of this logon instance has been exceeded.**
Cause: The logon session exceeded its allowable logon time range.
Action: Start a new session or contact a system administrator for assistance with increasing the session time.
- 92,0,140** **The device specified has exceeded its expiration date.**
Cause: The expiration date for this device has passed, and the device can no longer be used.
Action: Contact a system administrator for information about the expired device.

- 92,0,141** **The group specified has exceeded its expiration date.**
Cause: The expiration date for the session group has passed.
Action: Contact a system administrator for information about the expired session group.
- 92,0,142** **The number of renewal days is out of range.**
Cause: The number of renewal days is out of the configured range.
Action: Enter a number of renewal days that is within the configured range.
- 92,0,143** **The specified grace period is out of range.**
Cause: The value for the grace period is out of the configured range.
Action: Enter a grace period value that is within the configured range.
- 92,0,144** **The specified number of failure minutes is out of range.**
Cause: The number of failure minutes is out of the configured range.
Action: Enter a number of failure minutes that is within the configured range.
- 92,0,145** **The parameter specified is not a search filter.**
Cause: An invalid parameter was used during a find object call.
Action: Contact IBM Software Support for assistance.

- 92,0,146** **The primary group specified was not found.**
Cause: The primary group that the user requested is not in the data-base.
Action: Specify a valid group name.
- 92,0,147** **The primary group specified is not a group.**
Cause: The primary group that the user selected is not a valid group class.
Action: Specify a valid group.
- 92,0,148** **The conditional operator specified is invalid.**
Cause: An invalid MKF conditions was encountered on a SEC_db0 table.
Action: Contact IBM Software Support for assistance.
- 92,0,149** **An invalid system option was provided.**
Cause: The SECr remote module found an invalid option type during a remote procedure call to update system defaults.
Action: Have an application programmer specify the correct option type for all options.

- 92,0,150** **An invalid object option was provided.**
Cause: The SECr remote module found an invalid option type during object serialization.
Action: Have an application programmer correct the invalid option type found for the object.
- 92,0,151** **The system defaults information could not be found.**
Cause: The default system row in the system table cannot be found.
Action: Contact IBM Software Support for assistance.
- 92,0,152** **The group information could not be found.**
Cause: The group member does not exist.
Action: Enter a valid group or member.
- 92,0,153** **The deleted object information could not be found.**
Cause: The object information was deleted.
Action: If this object information was not supposed to be deleted, contact a system administrator for assistance.

- 92,0,155** **The groupmember in the data base already exists.**
Cause: The group membership matches a group membership that already exists.
Action: No action is required since the group membership already exists.
- 92,0,156** **The specified object has already been deleted.**
Cause: An attempt was made to delete a security object which has already been deleted.
Action: No action is required since the object has already been deleted. (This is an informational message.)
- 92,0,157** **The specified system structure already exists in the data base.**
Cause: A duplicate system row was found in SEC_db0.
Action: Contact IBM Software Support for assistance.
- 92,0,158** **The system option list provided is invalid.**
Cause: During initialization the number of options specified for the system object is zero.
Action: Contact IBM Software Support for assistance.

- 92,0,159** **An illegal value was provided for the annot_security field.**
- Cause:** An illegal value was provided for the annot_security field.
- Action:** Have an application programmer provide a boolean value for the annot_security field.
-
- 92,0,160** **An illegal value was provided for the pwd_chg_upon_reset field.**
- Cause:** An illegal value was provided for the pwd_chg_upon_reset field.
- Action:** Have an application programmer provide a boolean value for the pwd_chg_upon_reset field.
-
- 92,0,166** **The system language option is in an invalid format.**
- Cause:** The language length is greater than the maximum language length.
- Action:** Have an application programmer update the language length to be less than or equal to the maximum language length.
-
- 92,0,167** **The specified function name was not found.**
- Cause:** A search for a specific function name was not found.
- Action:** Have a system administrator add the function or turn off function security.

- 92,0,168** **The specified function member combination was not found.**
- Cause:** A search for a combination of a specific function name and a specific member assigned to it was negative.
- Action:** Have a system administrator add the function name member combination or turn off function security.
-
- 92,0,169** **The specified function name already exists.**
- Cause:** An attempt was made to add a duplicate function name.
- Action:** Have a system administrator select a different function name.
-
- 92,0,170** **The specified function member combination already exists.**
- Cause:** An attempt was made to add a duplicate function name member combination.
- Action:** Have a system administrator select a different combination.
-
- 92,0,171** **The function ids or member ids are outofsync.**
- Cause:** This is an internal SEC error.
- Action:** Contact IBM Software Support for assistance.

- 92,0,172** **The specified minute range is invalid.**
Cause: The minute value that was provided to security services is not within the defined range.
Action: Enter a minute value that is within the defined range.
- 92,0,173** **The specified hour range is invalid.**
Cause: The hour value that was provided to security services is not within the defined range.
Action: Enter a hour value that is within the defined range.
- 92,0,174** **The specified days of week range is invalid.**
Cause: The day of week value that was provided to security services is not within the defined range.
Action: Enter a day of week value that is within the defined range.
- 92,0,175** **The executed entryptpoint is not supported in this state.**
Cause: FIPS is not supported on HP operating systems.
Action: On the HP system, fix the FIPSMODE value in CDB. For details about FIPS, see the Image Services System Administrator's Guide.
- 92,0,176** **The ssn stored in the handle is invalid.**
Cause: This is an internal SEC error.
Action: Contact IBM Software Support for assistance.

- 92,0,177** **The number of allowable failed password attempts has been exceeded.**
- Cause:** The number of failed logon attempts exceeds the configured allowable amount and the associated account was disabled.
- Action:** Contact a system administrator for assistance with the account that was disabled.
-
- 92,0,178** **The password has expired.**
- Cause:** The user password was disabled because it exceeds what is configured for the password renewal option.
- Action:** Contact a system administrator for assistance with the password.
-
- 92,0,179** **The specified password requires a special character.**
- Cause:** The specified password did not contain a special character.
- Action:** Include a special character in your password. If the problem persists, contact a system administrator for password requirements.
-
- 92,0,180** **The specified handle should be nonnull.**
- Cause:** The handle that was passed in to security services is either NULL or invalid.
- Action:** Have a application programmer pass in a valid handle.

- 92,0,181** **The buffer tag definition is not of a recognized type.**
Cause: An attempt was made to communicate across incompatible releases of Image Services.
Action: Upgrade Image Services.
- 92,0,182** **The object update is denied.**
Cause: The user does not have the permissions that are required to update the object.
Action: Contact a system administrator for assistance with the permissions that are required to update the object.
- 92,0,183** **The member addition is denied.**
Cause: The user does not have the permissions that are required to add a member.
Action: Contact a system administrator for assistance with the permissions that are required to add a member.
- 92,0,184** **The object delete is denied.**
Cause: The user does not have the permissions that are required to delete the object.
Action: Contact a system administrator for assistance with the permissions that are required to delete an object.

92,0,185**The termination of a logon is denied due to inadequate permissions.**

Cause: The user does not have the permissions that are required to terminate a logon.

Action: Contact a system administrator for assistance with the permissions that are required to terminate a logon.

92,0,186**The password update is denied due to inadequate permissions.**

Cause: The user does not have the permissions that are required to update the password.

Action: Contact a system administrator for assistance with the permissions that are required to update the password.

92,0,187**The attempt to delete a member of a group is denied. To delete a member from a group, you must have the Group administrative attribute assigned to your user ID.**

Cause: The user does not have the permissions that are required to delete a member from a group.

Action: Contact a system administrator for assistance with the permissions that are required to delete a member from a group.

92,0,188**The addition of the specified object is denied.**

Cause: The user does not have the permissions that are required to add a security object to the security database.

Action: Contact a system administrator for assistance with the permissions that are required to add a security object to the security database.

92,0,189**The user does not have the permissions to add a function.**

Cause: The user does not have the permissions that are required to add a function.

Action: Contact a system administrator for assistance with the permissions that are required to add a function.

92,0,190**The user does not have the permissions to delete a function.**

Cause: The user does not have the permissions that are required to delete a function.

Action: Contact a system administrator for assistance with the permissions that are required to delete a function.

92,0,191**The user does not have the permissions to add a function member.**

Cause: The user does not have the permissions that are required to add a member to a function.

Action: Contact a system administrator for assistance with the permissions that are required to add a member to a function.

92,0,192**The user does not have the permissions to delete a function member.**

Cause: The user does not have the permissions that are required to delete a member from a function.

Action: Contact a system administrator for assistance with the permissions that are required to delete a member from a function.

92,0,193**The terminal identifier maximum has been reached for this server.**

Cause: The maximum terminal IDs of 10,000 has been reached.

Action: Wait for other clients to log off, which releases terminal IDs or ask a system administrator to reset Image Services, which cleans up old terminal IDs from the database.

- 92,0,194** **An invalid terminal identifier was detected.**
Cause: Image Services server has received a null value for a terminal ID.
Action: Have an application programmer configure a valid terminal ID.
- 92,0,195** **The member/group relationship in the groups table is out of sync.**
Cause: Invalid data was found in the sec_groups table in sec_db0.
Action: Contact IBM Software Support for assistance.
- 92,0,197** **Changing the primary group of a group is an illegal operation.**
Cause: Changing the primary group of a group is an invalid action.
Action: This message is for information purposes only. If necessary, select a valid user in order to change the primary group.
- 92,0,198** **The concurrent license limit has been reached.**
Cause: The number of logged on users has reached the maximum allowed limit that is specified by the concurrent license agreement.
Action: Logon as the root user or as fnsw and use the SEC_tool to forcibly log off users. Otherwise, contact IBM Software Support to increase the number of concurrent licenses that is allowed.

92,0,199**The terminal name provided is in an incorrect format.**

Cause: The terminal name does not consist of a string name plus a TCP/IP device address or a synchronous cross system committal was attempted from a combined server to a dual server system.

Action: Ensure that the terminal name consists of a string name that is followed by device address. Or ensure that committal attempts from a combined server to a dual server system is asynchronous and not synchronous.

92,0,201**The semantic use of the password option is invalid.**

Cause: Cannot change password on the selected object.

Action: No action is required because the object password cannot be changed.

92,0,202**It is illegal to add or update the admin group.**

Cause: It is illegal to add or update the admin group.

Action: No action is required because the admin group cannot be modified.

92,0,203**It is not allowable to search for an object by expiration time.**

Cause: It is not allowable to search for an object by expiration time.

Action: Search for the object using valid search parameters.

- 92,0,204** **It is not allowable to add or update an object by success_where.**
- Cause:** FIND is the only action that allows success_where as criteria.
- Action:** Have an application programmer change the call to add or update of an object by success_where as criteria.
-
- 92,0,205** **It is not allowable to add or update an object by failed_where.**
- Cause:** FIND is the only action that allows failed_where as criteria.
- Action:** Have an application programmer change the call to add or update of an object by failed_where as criteria.
-
- 92,0,206** **It is not allowable to add or update an object by its failure error.**
- Cause:** FIND is the only action that allows a failure error as criteria.
- Action:** Have an application programmer change the call to add or update of an object by a failure error as criteria.
-
- 92,0,207** **It is not allowable to search for an object by its comment field.**
- Cause:** A search to find an object by its comments was attempted.
- Action:** Use valid search criteria to search for the object.

- 92,0,208** **It is illegal to set the admin class for a nonuser/system object.**
- Cause:** It is illegal to set the admin class for a non-user or system object.
- Action:** Select only valid user objects if you want to modify the admin class.
-
- 92,0,209** **It is not allowable to add or update the language of a nonuser/system.**
- Cause:** It is not allowable to add or update the language of a nonuser/system.
- Action:** Select a valid user if you want to modify the assigned language.
-
- 92,0,210** **It is not allowable to set the device class for a nondevice/system.**
- Cause:** A change to the device class for a non-device or system is not allowed.
- Action:** No action is required because changing the device class for a non-device or system is not allowed.

- 92,0,211** **It is not allowable to change the object class of an existing object.**
- Cause:** A change to the object class of an existing object is not allowed.
- Action:** No action is required because changing the object class for an existing object is not allowed.
-
- 92,0,212** **It is not allowable to set the maximum sessions for a device object.**
- Cause:** Setting the maximum sessions for a device object is not allowed.
- Action:** No action is required because setting the maximum sessions for a device object is not allowed.
-
- 92,0,213** **It is illegal to specify a primary group for a group object.**
- Cause:** It is illegal to specify a primary group for a group object.
- Action:** No action is required because it is illegal to specify a primary group for a group object.

92,0,214**An invalid time combination was specified for the dweek/min/hour values.**

Cause: An invalid time combination was specified for the dweek/min/hour values.

Action: Have an application programmer correct the time combination.

92,0,215**The user does not have the admin permission to read the object.**

Cause: The user does not have the permissions that are required to read the object.

Action: Contact a system administrator for assistance with the permissions that are required to read the object.

92,0,216**The user does not have the admin permission to read the system defaults.**

Cause: The user does not have the permissions that are required to read the system defaults.

Action: Contact a system administrator for assistance with the permissions that are required to read the system defaults.

92,0,217**The user does not have the admin permission to read the member list.**

Cause: The user does not have the permissions that are required to read the member list.

Action: Contact a system administrator for assistance with the permissions that are required to read the member list.

92,0,218**The user does not have the admin permission to read the group list. The user must be of an administrative class to view groups.**

Cause: The user does not have the permissions that are required to read the group list.

Action: Contact a system administrator for assistance with the permissions that are required to read the group list.

92,0,219**The user does not have the admin permission to read the function list. The user must be of an administrative class to view function membership.**

Cause: The user does not have the permissions that are required to read the function list.

Action: Contact a system administrator for assistance with the permissions that are required to read the function list.

- 92,0,220** **The user does not have the admin permission to read the function members. The user must be of an administrative class to view function membership.**
- Cause:** The user does not have the permissions that are required to read the function members
- Action:** Contact a system administrator for assistance with the permissions that are required to read the function members.
-
- 92,0,221** **The length of the password provided is out of range. A password should at least have a minimum length of that specified by the system defaults and cannot have a length greater than 8 characters.**
- Cause:** The password that was entered has more than 8 characters.
- Action:** Enter a valid password.
-
- 92,0,222** **An operation on the specified file failed. An error occurred attempting to open the specified file name.**
- Cause:** During the export of the security database, an invalid UNIX file was specified. Required permission to access the UNIX file was not established.
- Action:** Contact a system administrator for assistance with the permissions that are required to write to the output file.

92,0,223

The import version contained in the import file is not recognized. The import routine expects the export file to contain a version stamp of an explicit value.

Cause: The import routine did not find the expected version stamp in the import file. This situation indicates that an incompatible version specification exists in the import file, or the import file could have been corrupted.

Action: If the auto-generated version stamp was manually modified, it must be manually reset to what it was originally. If the file was not modified manually, contact IBM Software Support for assistance.

92,0,224

The export file has a different default character set than the import system. It is required that an export/import be performed across systems which contain the same default character set. It is not possible to convert systems across different character sets due to encrypted password incompatibilities.

Cause: The character set of the export file did not match the default character set of the system that is performing the import action.

Action: Modify the character set on either the system that is creating the export file or the system that is performing the import action, so that the two match.

- 92,0,226** **The import file is in an incorrect format. When the import routine attempts to parse the export file, it expects the information to be of certain sizes and in certain locations within the export file. If it encounters a conflict, then this error will occur. It is possible that the export file is corrupt, or that it has been manually edited.**
- Cause:** The import routine failed.
- Action:** If the import file was manually edited, review the file for formatting errors and correct if necessary. Otherwise, contact IBM Software Support for assistance.
-
- 92,0,227** **There were missing or improper import parameters.**
- Cause:** An invalid combination of from and to parameters were passed to the import command.
- Action:** Use the help facility of SEC_tool to see the valid parameter format of the import command.
-
- 92,0,228** **The domain length may not exceed 20 characters in length.**
- Cause:** The domain name that was specified exceeds the maximum length of 20 characters.
- Action:** Verify that you are using the correct domain name, then reenter the information and retry the operation.

92,0,229

The import object class conflicts with that of an existing object. When the security service imports an object, it will look for objects of the same name within the import data base. If those objects exist, then it will compare the object class. If the object class is not the same, then the import will not continue. This check exists to protect conflicting membership (ie. a user cannot be made a member of a user).

Cause: The import routine encountered a conflicting membership.

Action: If you are attempting to import an existing SEC database, check the import file for a user name that is the same as a group name in the existing database. If this situation exists, modify the name in either the export file or the existing database.

92,0,230

An invalid security service name was provided. This error typically occurs when the security service expects to receive the service name as a parameter, but has received nothing instead.

Cause: A required security service name parameter was null.

Action: Enter a valid Image Services security service name or contact an application programmer for assistance if you are using a custom application.

92,0,231

A user who is not SysAdmin attempted to export the security data base. For the sake of security, SEC requires that only the SysAdmin user may perform this action. This prevents any user from being able to export a data base without being authenticated.

Cause: A non-SysAdmin user tried to export the security database.

Action: Log on as the SysAdmin user to export the security database.

92,0,232

A user who is not SysAdmin attempted to import the security data base. For the sake of security, SEC requires that only the SysAdmin user may perform this action. This prevents any user from being able to import a data base without being authenticated.

Cause: The user does not have the permissions that are required to import the security database.

Action: Contact a system administrator for assistance with the permissions that are required to import the security database.

92,0,234

The session handle is stale. The security service was re-booted. Typically, this error is seen only internal to the security service so that the client can determine if it needs to relogin to the security service after a server re-boot.

Cause: Typically, this message is issued internally to the security service so that the client can determine if it needs to relogin to the security service after a server reboot.

Action: This message is for information purposes only. However, if the problem persists, have an application programmer correct how stale handles are managed.

92,0,235

The relogin information provided is inaccurate. Once the security service issues the SEC_err_stale_session, the client SEC code will attempt to relogin to the security service. If the information which is sent to the security service from the client is incorrect, then this error will occur.

Cause: When the security service issues message 92,0,234 after a reboot, the SEC shared library attempts to relogin to the security service. SEC issues this message if the information sent to the security service from the client is incorrect.

Action: Log off and log back on.

- 92,0,236** **The provided admin group does not exist in the security data base. The data base object table was searched for this object, however, it was not able to be found.**
- Cause:** The provided admin group does not exist in the security data base. The data base object table was searched for this object, however, it was not able to be found.
- Action:** Specify a valid admin group.
-
- 92,0,238** **The provided admin group is not a group.**
- Cause:** The provided admin group is not a group.
- Action:** Specify a valid group as the admin group.
-
- 92,0,239** **The encrypted password in the data base consists of nulls.**
- Cause:** The encrypted password in the database consists of nulls.
- Action:** Contact IBM Software Support for assistance.
-
- 92,0,240** **The concurrent license is either expired or missing.**
- Cause:** Concurrent licensing is either expired or it is missing.
- Action:** Check the configuration procedures and change as necessary to configure concurrent licensing. If no concurrent licensing agreement has been purchased or it has expired, contact your service representative.

- 92,0,241** **The Map Principal to DN information could not be found.**
Cause: The expected record in the sec_map_prin_to_dn table could not be found.
Action: Contact IBM Software Support for assistance.
- 92,0,242** **The Map Principal to DN data already exists.**
Cause: The map principal to distinguished name data already exists in the sec_map_prin_to_dn table.
Action: No action is required because the association already exists in the database.
- 92,0,243** **The CE Domain information could not be found. Make sure SEC_map tool is run to map between Image Services and CE users.**
Cause: The expected record in the sec_ce_dom_to_id table could not be found.
Action: Run the SEC_map tool to map Image Services users to Content Engine users.
- 92,0,244** **The CE Domain data already exists.**
Cause: The Content Engine domain already exists in the sec_ce_dom_to_id table.
Action: No action is required.

- 92,0,245** **Error occurred in SEC_update_dn_by_id(). See SysLog**
Cause: An error occurred in SEC_update_dn_by_id().
Action: See the syslog for information about the error. If problem persists, contact IBM Software Support for assistance.
- 92,0,250** **The fnfork program could not find the pid in the term_id list.**
Cause: The fnfork program could not find the pid in the term_id list.
Action: Contact IBM Software Support for assistance.
- 92,0,252** **The specified session group does not exist in the security data base.**
Cause: The expected session group does not exist in the security database.
Action: Specify a valid session group.
- 92,0,253** **The session group supplied is not a group.**
Cause: The supplied session group is not a group object.
Action: Specify a valid session group.

- 92,0,254** **An illegal value was provided for the allow_override field.**
- Cause:** The allow_override field value does not contain either TRUE or FALSE.
- Action:** Set the allow_override option to either TRUE or FALSE.
-
- 92,0,255** **It is illegal to add/update a session group for a group or device object.**
- Cause:** It is illegal to add or update a session group for a group or device object.
- Action:** This message is for informational purposes only. If necessary, you can select a valid user to modify the associated session group.
-
- 92,0,259** **The database map name already exists.**
- Cause:** A duplicate map name already exists in the sec_dbinfo table.
- Action:** Use a different, unique name for the database map.
-
- 92,0,260** **The dbinfo table search filter is not recognized.**
- Cause:** An unknown dbinfo filter type was encountered during the create process.
- Action:** Have an application programmer specify a valid dbinfo filter.

- 92,0,261** **The database password is in an incorrect format.**
Cause: The password is either empty or too long.
Action: Have an application programmer fix the password problem that is causing the error.
- 92,0,262** **The database name provided is in an incorrect format.**
Cause: The database name is either empty or too long.
Action: Update the database name.
- 92,0,263** **The user does not have permission to delete a dbinfo record.**
Cause: The user does not have the permissions that are required to import the security database.
Action: Contact a system administrator for assistance with the permissions that are required to import the security database.
- 92,0,264** **The user does not have permission to update a dbinfo record.**
Cause: The user does not have proper permission to update a dbinfo record.
Action: Contact a system administrator for assistance with the permissions that are required to the dbinfo record.

- 92,0,265** **The user does not have permission to add a dbinfo record.**
Cause: The user does not have proper permission to add a dbinfo record.
Action: Contact a system administrator for assistance with the permissions that are required to add a dbinfo record.
- 92,0,266** **The user does not have permission to map to a db user.**
Cause: The user does not have permission to map to a database user.
Action: Contact a system administrator for assistance with the permissions that are required to map a database user.
- 92,0,267** **The option specified is not valid.**
Cause: An unknown option type is found during deserialization of dbinfo.
Action: Ensure that the dbinfo RPC is serializing valid option types.
- 92,0,268** **It is illegal to specify a db name map for a nonuser.**
Cause: A non-user object was used to map a database name.
Action: Have an application programmer specify a user object to map to the database name.

92,0,269**The pointer passed is NULL.**

Cause: The security service received a null pointer when a non-null pointer was expected.

Action: Have an application programmer fix the null pointer error.

92,0,270**The number of bytes value is zero.**

Cause: The security service received a 0 bytes value pointer when a non-zero value was expected.

Action: Have an application programmer fix the 0 bytes value pointer error.

92,0,272**Could not allocate global memory for terminal listing.**

Cause: Memory allocation failed during initialization in SEC.

Action: Contact IBM Software Support for assistance.

92,0,273**Could not get process create time in SEC.**

Cause: (Windows only) The GetProcessTimes() function failed.

Action: Correct the operating system configuration based on the error returned.

- 92,0,274** **Could not get process access token.**
Cause: (Windows only) The OpenProcessToken() failed.
Action: Correct the operating system configuration based on the error returned.
- 92,0,275** **Could not get sufficient buffer for token stats.**
Cause: (Windows only) The GetTokenInformation() returned ERROR_INSUFFICIENT_BUFFER failed.
Action: Correct the operating system configuration based on the error returned.
- 92,0,276** **Got error in GetTokenInformation.**
Cause: (Windows only) The GetTokenInformation() failed.
Action: Correct the operating system configuration based on the error returned.
- 92,0,278** **Import database level does not match current database level.**
Cause: During an import, the database level for the system default attribute does not match current database level.
Action: Update the SEC_tool import file to match the database level of the system importing the file.

- 92,0,279** **Configuration error; service is remote**
Cause: The security service request is for a local service.
Action: Run the application from the same server as security services.
- 92,0,280** **Could not make log directory.**
Cause: The SEC_daemon could not create the directory that stores log files that are created by the security service.
Action: Ensure that the user who starts Image Services has read and write permission on the /fnsw/local/logs and /fnsw/local/logs/.log directories.
- 92,0,281** **Could not create README in log directory**
Cause: SEC_daemon could not create a README file in log directory.
Action: Ensure that the user who starts Image Services has read and write permission on the /fnsw/local/logs and /fnsw/local/logs/.log directories.
- 92,0,282** **Could not write README in log directory**
Cause: The SEC_daemon could not write README file in log directory.
Action: Ensure that the user who starts Image Services has read and write permission on the /fnsw/local/logs and /fnsw/local/logs/.log directories.

-
- 92,0,283 The Db2 information could not be found.**
- Cause:** The DB2 /fnsw/local/sd/db2.glob configuration file could not be found.
- Action:** Verify that the file /fnsw/local/sd/db2.glob exists and that the fnsw user has permissions that are required to access it.
-
- 92,0,285 DB2 password length reached maximum length.**
- Cause:** The password input length is greater than the maximum length allowed.
- Action:** Reduce the length of the password.
-
- 92,0,286 DB2 acct name length reached maximum length.**
- Cause:** The account name length is greater than maximum length allowed.
- Action:** Reduce the length of the account name.
-
- 92,0,287 The time between DB2 client and server is out of range.**
- Cause:** The client connection has exceeded the allowable connection time.
- Action:** Have the user log out and log on again to start a new connection.

92,0,288**The RM Configuration information could not be found.**

Cause: The security subsystem or the SEC_rm_tool utility attempted to read the default Record Management row from the security database but the record could not be found.

Action: Create a new record by using the SEC_rm_config tool. Review the syslog files for any other warnings or errors to confirm that the error was not indirectly caused by any other subsystems. If the error persists, contact IBM Software Support for assistance.

92,0,289**The RM Configuration data already exists**

Cause: The SEC_rm_tool utility attempted to update the Record Management settings and a database error occurred that resulted in a duplicate record in the MKF table.

Action: Review the syslog files for any other warnings or errors to confirm that the error was not indirectly caused by any other subsystems.

Attempt to restart Image Services to automatically create a default record in the MKF security database table. If the syslog files have no errors, use the SEC_rm_config tool to update the existing record. If the error persists, contact IBM Software Support for assistance.

92,0,290**The RM Configuration data is invalid.**

Cause: The SEC_rm_tool utility attempted to update the Record Management settings and one or more parameters fails the validation test. The validation test checks that parameters either contain specific values, or that the values are correct.

Action: Review the syslog files for information about this tool. Verify that the specified values such as object IDs or names are correct.

92,0,291**Must be a member of group fnadmin to modify the Record Management settings.**

Cause: The user who tried to run the SEC_rm_tool utility is not a member of the fnadmin group.

Action: Contact a system administrator for assistance with the permissions that are required to run the SEC_rm_tool.

92,0,292**A configured Record Management group was not found. It must be created using the security RM tool.**

Cause: A client application attempted to lock a document and the security subsystem determined that the default Record Management group was never defined.

Action: Create a Record Management group name using the Security Administration application, then use the SEC_rm_tool utility to specify the group ID associated with that group name.

92,0,293**The extensible authentication library initialize entry point has returned an error.**

Cause: The cause of this error varies based on the specific custom implementation of the Extensible Authentication library (SEC_ext_auth).

Action: Correct the custom implementation. Until the custom implementation is corrected, shut down Image Services and then complete one of the following actions:

- Rename SEC_ext_auth so that it does not get loaded
- Turn of the Extensible Authentication security feature from the Security Administration Tool.

Either of these two actions causes Image Services to default to the standard security once it is restarted.

92,0,294**The extensible authentication library has rejected the user credentials.**

Cause: The extensible authentication library rejected the user credentials.

Action: Contact a system administrator for assistance with the permissions that are required to perform the associated action.

- 92,0,295** **The extensible authentication library was passed invalid parameters.**
- Cause:** The extensible authentication library rejected the user credentials.
- Action:** Have an application programmer provide valid parameters to the extensible authentication library.
-
- 92,0,296** **Failed to determine authentication mode. The system will default to standard authentication.**
- Cause:** Image Services was restarted and the security subsystem is unable to determine if Extensible Authentication is enabled.
- Action:** Use the Security Administration tool to reset the Extensible Authentication flag. Review the syslog files for information about the error. If the problem persists, contact customer support.
-
- 92,0,297** **Failed to install signal handlers (undefined).**
- Cause:** Unable to set signal handlers during application initialization.
- Action:** Check the elog for information about the error.
-
- 92,0,298** **Image Services has detected out of date client software. Please upgrade your client software before continuing. Check the Image Services Release Notes for more information.**
- Cause:** The ISRA version is not supported by Image Services.
- Action:** Upgrade ISRA to a new version.

- 92,0,299** **The DN/CE_GUID pair to object id could not be found.**
Cause: An expected row in the sec_map_prin_to_dn table for the distinguished name could not be found.
Action: Run the SEC_map tool to populate the required rows in the sec_map_prin_to_dn table.
- 92,0,301** **Must be root or fnsw to execute SEC_convert.**
Cause: The user is not root or fnsw, permission denied.
Action: Have the root or fnsw user complete the operation.
- 92,0,302** **A bad character was detected.**
Cause: An incorrect character was found during execution of SEC_convert.
Action: Update the object that is associated with the incorrect character.
- 92,0,303** **A duplicate name exists.**
Cause: A duplicate name was found during execution of SEC_convert.
Action: Update the object that is associated with the duplicate name.

- 92,0,304** **A name exceeding 39 characters was found**
Cause: A name that exceeds 39 characters was found during execution of SEC_convert.
Action: Update the object that is associated with the long name.
- 92,0,305** **Must be a member of group fnadmin to rebuild the security data base**
Cause: The user who tried to run the run SEC_init application is not a member of the fnadmin group.
Action: Contact a system administrator for assistance with the permissions that are required to initialize the security database.
- 92,0,308** **User is not a member of group fnadmin, permission denied.**
Cause: The user who tried to run the application is not a member of the fnadmin group.
Action: Contact a system administrator for assistance with the permissions that are required to initialize the security database.
- 92,0,309** **User is not root, permission denied**
Cause: The user is not root, permission denied.
Action: Have the root user complete the operation.

- 92,0,310** **User is not SysAdmin, permission denied.**
Cause: The user does not have the correct permission to complete the operation.
Action: Contact a system administrator for assistance with the permissions that are required to complete the operation.
- 92,0,311** **System command putenv failed.**
Cause: (UNIX only) The putenv() function failed.
Action: See the elogs, and the operating system logs for information about the error
- 92,0,312** **Invalid option in fnfork/exec.**
Cause: A command line parameter to fnlogon is incorrect.
Action: Correct the invalid command line parameter.
- 92,0,313** **Exec() failed.**
Cause: The execvp() function failed.
Action: See the elogs, and the operating system logs for information about the error.

- 92,0,314** **Fork() failed.**
Cause: (UNIX only) The fork() function failed.
Action: See the elogs, and the operating system logs for information about the error.
- 92,0,315** **CreateProcess failed.**
Cause: (Windows only) The CreateProcess() function failed.
Action: See the elogs, and the operating system logs for information about the error.
- 92,0,317** **Zero session.**
Cause: Expected a nonzero session number in the function.
Action: Contact IBM Software Support for assistance.
- 92,0,319** **Unable to get valid logging queue**
Cause: QMA find_queue returned a NULL pointer during SECI initialization.
Action: Contact IBM Software Support for assistance.

- 92,0,320** **The functionality requested is not supported by present version of IMS server.**
- Cause:** The functionality requested is not support by the Image Services server.
- Action:** Verify the Image Services server version you are using supports your action. For further information, see the Image Services System Reference Manual, the Image Services Release Notes, and any associated README files.
-
- 92,0,321** **Custom password validation failed. The specified password does not meet policy requirements. Please check the password format rules and try again.**
- Cause:** External password validation failed.
- Action:** Check the custom password format rules to ensure that the specified password meets policy requirements.
-
- 92,0,323** **The common name to Image Services principal mapping record already exists.**
- Cause:** An administrator tried to insert an LDAP user into the MKF sec_map_cn_to_prin table using the extensible authentication mapping tool (SEC_map_ext_auth) but the user name was a duplicate.
- Action:** Ensure that you are using the mapping tool (SEC_map_ext_auth) only when Image Services is configured to use extensible authentication and that the text file with the LDAP common names to be imported (by the SEC_map_ext_auth tool) have no duplicate entries.

- 92,0,324** **Error occurred in SEC_update_prin_by_cn(). See Sys-Log.**
- Cause:** A delete, update, or insert operation failed.
- Action:** Contact IBM Software Support for assistance with the integrity of SEC_map_cn_to_prin table.
-
- 92,0,326** **The custom extensible authentication library has validated the user credentials, but a mapped security user-name was not found.**
- Cause:** Image Services is configured to use Extensible Authentication but the LDAP user that attempted to log on did not exist in the sec_map_cn_to_prin table of the MKF security database.
- Action:** Map the LDAP external user to an existing Image Services user (that is, to a user that already exists in the sec_object table of the MKF security database).
-
- 92,0,327** **Must be a member of group fnadmin to use the SEC_map_ext_auth tool.**
- Cause:** A user who does not belong to the fnadmin group tried to use the SEC_map_ext_auth tool.
- Action:** Contact a system administrator for assistance with making the user a member of the fnadmin group.

92,0,328**The extensible authentication library is missing an entry point.**

Cause: The Extensible Authentication security feature is on and the custom library (SEC_ext_auth) is missing one or more mandatory entry points.

Action: Correct the custom implementation. Until the custom implementation is corrected, shut down Image Services and then complete one of the following actions:

- Rename SEC_ext_auth so that it does not get loaded
- Turn off the Extensible Authentication security feature from the Security Administration Tool.

Either of these two actions causes Image Services to default to the standard security once it is restarted.

92,0,329**The expected dn string is empty.**

Cause: An entry point was called with an empty distinguished name string parameter.

Action: The distinguished name must not be null.

- 92,0,330** **A duplicate dn/ce_domain_guid entry is found in SEC map table.**
- Cause:** One or more distinguished names were found for the Content Engine domain.
- Action:** Only one unique DN/CE_DOMAIN_GUID entry is allowed in the SEC_map table.
-
- 92,0,331** **This command is only supported on local root Security server.**
- Cause:** The entry point or command is supported on the local root security server only.
- Action:** Run the application on the local root security server.
-
- 92,0,332** **Cannot open duplicate dn report file.**
- Cause:** Error opening the sec_map_dup_dn.rpt file.
- Action:** Contact a system administrator for assistance with the permissions that are required for file creation.
-
- 92,0,333** **User's password is not set in FIPS_ONLY mode.**
- Cause:** The user's password has not been initialized in FIPS_ONLY mode.
- Action:** Have the user log on FIPS_PREFERRED_MODE at least once or have a system administrator reset the user's password. For details about FIPS, see the Image Services System Administrator's Guide.

92,0,401 Unable to access (rlwlm) Transparent Login DataBase.

Cause: A Registry API has failed on Windows platform.

Action: Have an application programmer check the registry tokens and values. For more information, see the ISTK reference manual.

92,0,402 User Transparent Login Credentials already deleted or do not exist.

Cause: The user transparent login credentials have already been deleted or they do not exist.

Action: This message is for informational purposes only. The requested action has already been completed.

92,0,450 Duplicate SLU encountered.

Cause: A duplicate SLU record was encountered during an SLU record creation.

Action: Contact IBM Software Support for assistance.

92,0,452 Unable to find time from the system.

Cause: The current time is not available from the system time() function call.

Action: Update the system clock.

- 92,0,453 Unable to find the SLU record.**
Cause: The specified SLU type is not found.
Action: Must use a valid existing SLU type during lookup.
- 92,0,454 SLU initialization in shared memory failed.**
Cause: SLU record management failed during SLU initialization.
Action: Contact IBM Software Support for assistance.
- 92,0,456 This user interface is only supported on WAL.**
Cause: The logon GUI requested by the application is only available on ISTK.
Action: Have an application programmer check the custom application logic.
- 92,0,459 This is an invalid SLU type.**
Cause: SEC_shared_logon() call has received an invalid SLU type.
Action: Have an application programmer use an existing SLU type for SEC_shared_logon() in the application.
- 92,0,501 Failed to open registration database**
Cause: ReqOpenKeyEx() has failed on Windows platform.
Action: Have an application programmer check the registry tokens and values. For more information, see the ISTK reference manual.

- 92,0,502** **Failed to query registration database**
Cause: RegQueryValueEx has failed on Windows platform.
Action: Have an application programmer check the registry tokens and values. For more information, see the ISTK reference manual.
- 92,0,503** **Failed to create thread local storage index**
Cause: TlsAlloc() failed during abstract initialization.
Action: Contact IBM Software Support for assistance.
- 92,0,504** **Failed to set value for thread local storage**
Cause: A proper session number and gateway logon must be used during TlsSetValue() on Windows platform.
Action: Contact IBM Software Support for assistance.
- 92,0,505** **Failed to get value for thread local storage**
Cause: The retrieve session number from TlsGetValue() is zero.
Action: Contact IBM Software Support for assistance.
- 92,0,506** **The pointer passed in for user name is NULL**
Cause: The user name is an empty string.
Action: Have an application programmer pass in a valid user name.

- 92,0,507** **Error returned from LogonUI**
Cause: An error was returned from the LogonUI.
Action: No action is required. The user has cancelled the operation.
- 92,0,508** **Failed to display copyright information.**
Cause: Failed to display copyright information.
Action: Contact IBM Software Support for assistance.
- 92,0,509** **User already logged on domain using different name or password doesn't match DB.**
Cause: Another user has already logged on to the target domain.
Action: The other user must log off first before the current user can log on.
- 92,0,510** **LogonUI was cancelled.**
Cause: LogonUI was cancelled.
Action: No action is required. The user has cancelled the operation.
- 92,0,511** **Failed to get the NT credential.**
Cause: Failed to get the NT credential.
Action: Contact IBM Software Support for assistance.

- 92,2,2** **The password provided does not match that in the data base.**
- Cause:** The password provided does not match that in the database.
- Action:** Provide the correct password.
-
- 92,2,4** **The requested object does not have a membership intersection.**
- Cause:** An application or service does not have the required membership in a particular group.
- Action:** Contact a system administrator for assistance with the required membership.
-
- 92,2,5** **Read permission is denied.**
- Cause:** The security attributes that are assigned to the logon ID or group do not allow retrieve, display, or print functions on associated document classes.
- Action:** Contact a system administrator for assistance with the permissions that are required to allow retrieve, display, or print functions on associated document classes.

92,2,6**Write permission is denied.**

Cause: The security attributes that are assigned to the logon ID or group do not allow delete or modify functions on associated document classes.

Action: Contact a system administrator for assistance with the permissions that are required to allow delete and modify functions on the associated document classes.

92,2,7**Append/execute permission is denied.**

Cause: The security attributes that are assigned to the logon ID or group do not allow such actions as scanning, indexing, committing, or appending on associated document classes.

Action: Contact a system administrator for assistance with the permissions that are required to allow the listed actions on the associated document class.

92,2,8**The user, group, or device object information could not be found.**

Cause: The user, group, or device object information could not be found in the security database.

Action: Contact a system administrator to determine if the security object should exist.

92,2,10**SEC could not decode the access restrictions**

Cause: The security access buffer length is not decodable.

Action: Have an application programmer correct the buffer length in the application. The buffer length must be between 0 and 12.

92,2,11**The requesting user is not logged onto the security service.**

Cause: The user was not logged on to the Image Services security database when calling a program that required a valid logon.

Action: Ensure that the application is logged on to Image Services Security Services before making the call to the Image Services program.

92,2,12**The specified language name/language id was not found.**

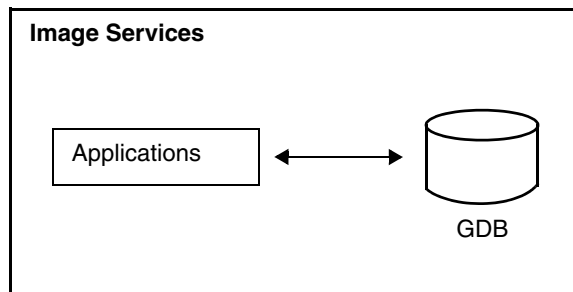
Cause: The specified language name/language id was not found.

Action: Contact IBM Software Support for assistance.

GDB (121) Messages

The Generic Database (GDB) interface shared library provides the FileNet Image Services database interface. GDB provides a general API (application programming interface) for several Relational Database Management Systems (RDBMS). GDB error codes begin with 121, where the middle number represents the RDBMS type, as follows:

Middle tuple value	RDBMS
0	GDB error or common RDBMS error
1	Oracle
7	SQL Server
9 and 10	DB2®



GDB Shared Library Diagram

GDB error codes begin with 121,0. Oracle error codes begin with 121,1. SQL error codes begin with 121, 7. DB2 error codes begin with 121, 9 or 121, 10. The third number of the error code is the message identifier. Oracle message descriptions are from orausr/ ora/ 816/rdbms/mesg/. Refer to your *Oracle Error Messages Manual*. Each

entry has an error code, an error message, possible causes, and recommended actions.

To display the message text for Oracle error codes, use the `oerr` facility. For example, using the `fn_msg` command for an Oracle error code displays a message similar to the following.

```
corona(fnsw)/usr/fnsw> fn_msg 121,1,1552
<GDB,1,1552> Oracle error occurred.
Oracle error number is err_num from <GDB,1,err_num>.
See Oracle documentation or run oracle 'oerr' program,
if available, for error message.
```

Using the `oerr` facility displays the Oracle message information, for example:

oerr ora 1552

where 1552 is the third value of the error code. Following is the sample screen output.

```
corona(fnsw)/usr/fnsw> oerr ora 1552
01552, 00000, "cannot use system rollback segment for non-system tablespace '%s'
"
// *Cause: Tried to use the system rollback segment for operations involving
//         non-system tablespace
// *Action: Create one or more private/public segment(s), shutdown and then
//         startup again. May need to modify the init.ora parameter
//         rollback_segments to acquire private rollback segment
```

121,0,1**GDB level does not match.**

Cause: GDB_bind structure compatibility check failed. Client software calling the GDB might be an incompatible version.

Action: Confirm that your FileNet Image Services Toolkit version is compatible with your FileNet Image Services software version. If it is not, upgrade FileNet Image Services Toolkit to a compatible version.

121,0,2**Invalid option specified in GDB call.**

Cause: An invalid parameter was passed to a GDB function.

Action: Contact IBM Software Support for assistance.

121,0,3**No data found for fetch.**

Cause: There were no records that matched the database search criteria.

Action: Verify that the database query contains the correct search criteria. If the problem still exists, contact the system administrator.

121,0,4**Variable not in select list.**

Cause: An attempt was made to reference a variable that is not listed in the SELECT clause.

Action: Contact IBM Software Support for assistance.

121,0,5**Bad GDB function address.**

Cause: A bad GDB function pointer address was encountered.

Action: Contact IBM Software Support for assistance.

121,0,6

Bad GDB logon handle.

Cause: An invalid GDB logon handle was encountered.

Action: Contact IBM Software Support for assistance.

121,0,7

Bad GDB statement handle.

Cause: An invalid GDB statement handle was encountered.

Action: Contact IBM Software Support for assistance.

121,0,8

Bind information not found in the list.

Cause: An attempt was made to reference variable bind information, which was not found in the bind list.

Action: Contact IBM Software Support for assistance.

121,0,10

Bad DBMS specific logon handle.

Cause: An invalid database logon handle was encountered.

Action: Contact IBM Software Support for assistance.

121,0,11

Bad DBMS specific statement handle.

Cause: An invalid database statement handle was encountered.

Action: Contact IBM Software Support for assistance.

- 121,0,12** **Function call is out of call sequence.**
- Cause:** A GDB data manipulation function has been called in the wrong order.
- Action:** Confirm that your FileNet Image Services Toolkit version is compatible with your FileNet Image Services software version. If it is not, upgrade FileNet Image Services Toolkit to a compatible version.
-
- 121,0,13** **Number data has a bad format.**
- Cause:** The size of the numeric data does not match its format.
- Action:** Confirm that your FileNet Image Services Toolkit version is compatible with your FileNet Image Services software version. If it is not, upgrade FileNet Image Services Toolkit to a compatible version.
-
- 121,0,14** **Integer overflow.**
- Cause:** Integer data overflow has occurred.
- Action:** Contact IBM Software Support for assistance.
-
- 121,0,15** **Buffer overflow.**
- Cause:** Data buffer overflow has occurred.
- Action:** Contact IBM Software Support for assistance.
-
- 121,0,16** **Integrity constraint violation. This may happen when attempting to insert a NULL value for a column defined as NOT NULL, or supplying a duplicate value for a column**

constrained to contain only UNIQUE values, or violating another integrity constraint such as an explicit insert for an 'identity' column when IDENTITY_INSERT is set to off on MSSQL Server RDBMS.

Action: Confirm that your FileNet Image Services Toolkit version is compatible with your FileNet Image Services software version. If it is not, upgrade FileNet Image Services Toolkit to a compatible version.

121,0,17

Statement handle for current of is invalid.

Cause: The statement handle for the "CURRENT OF [cursor]" statement is invalid.

Action: Contact IBM Software Support for assistance.

121,0,18

Where current statement has not done fetch.

Cause: The SELECT statement needed to have a FETCH preceding it.

Action: Contact IBM Software Support for assistance.

121,0,19

Bad SQL type encountered.

Cause: An attempt was made to pass an invalid database datatype during a data manipulation operation.

Action: Contact IBM Software Support for assistance.

- 121,0,21** **Fetch column value was truncated.**
Cause: The fetched database column value was too long and had to be truncated.
Action: Contact IBM Software Support for assistance.
- 121,0,22** **Table is busy, in use by others.**
Cause: The table being queried is in use by another process.
Action: Retry the operation.
- 121,0,23** **Table, or view, or sequence name specified does not exist.**
Cause: The table, view or sequence being queried does not exist.
Action: Confirm that your FileNet Image Services Toolkit version is compatible with your FileNet Image Services software version. If it is not, upgrade FileNet Image Services Toolkit to a compatible version.
- 121,0,28** **Nonexistent user name is referenced.**
Cause: The database user or role does not exist.
Action: Create a user or role then retry the operation.
- 121,0,41** **DBMS is not available.**
Cause: The database is shutdown or unavailable.

Action: The FileNet Image Services software contains logic to reconnect when the database is not available. If the error persists, verify that the database is started and that it can be accessed from the FileNet Image Services server reporting the error.

121,0,42**No more space in DBMS object.**

Cause: The database does not have enough space to create the object.

Action: Create more space for the database.

121,0,43**A fatal error is returned from DBMS.**

Cause: The database management system has returned a fatal error.

Action: Contact IBM Software Support for assistance.

121,0,44**The fields in the alter table command cannot be modified.**

Action: Confirm that your FileNet Image Services Toolkit version is compatible with your FileNet Image Services software version. If it is not, upgrade FileNet Image Services Toolkit to a compatible version.

121,0,45**Invalid GDB data type is specified.**

Cause: An attempt was made to pass an invalid database datatype during a data manipulation operation.

Action: Contact IBM Software Support for assistance.

- 121,0,46** **Version mismatch in abst_link to GDB call.**
Cause: During GDB linking, a bad abstract version was encountered.
Action: Contact IBM Software Support for assistance.
- 121,0,47** **Column name is missing or invalid.**
Cause: The column name specified in the query is invalid.
Action: Confirm that your FileNet Image Services Toolkit version is compatible with your FileNet Image Services software version. If it is not, upgrade FileNet Image Services Toolkit to a compatible version.
- 121,0,50** **GDB encountered an internal error, see error log for detail.**
Cause: The GDB software encountered an internal database management system error.
Action: Examine the database management system alert logs.
- 121,0,52** **Cannot get error message from DBMS.**
Cause: The error message cannot be retrieved from the database management system.
Action: Examine the database management system alert logs.

- 121,0,53** **Invalid username or password is specified for log on to DBMS.**
- Cause:** This error can also display if the RDBMS is down or not available.
- Action:** Ensure that the RDBMS is started.
-
- 121,0,54** **Transaction aborted by DBMS to resolve deadlock. Retry from beginning recommended.**
- Cause:** The database transaction was aborted due to a deadlock.
- Action:** Retry the operation.
-
- 121,0,55** **Deadlock retry failed after number of attempts.**
- Cause:** The database transaction was aborted due to deadlock.
- Action:** Retry the operation.
-
- 121,0,56** **Received multiple results sets which is unsupported.**
- Cause:** The database management system has returned multiple result sets during a fetch operation. GDB can handle only one result set.
- Action:** Update the query and retry.
-
- 121,0,57** **Database has rows to return when GDB does not expect them.**
- Cause:** Unexpected rows are available from the database management system. GDB can only handle one result set.

Action: Update the query and retry.

121,0,58

Expected blob data when there wasn't any.

Cause: The query expected BLOB data when none was returned.

Action: Verify the database configuration.

121,0,59

Received DB-Library error. Check system log for more information.

Cause: A database management system error was encountered.

Action: Check the database management system log for more information.

121,0,60

Could not bind column to variable.

Cause: A database management system error was encountered during an attempt to bind a column to a variable.

Action: Check the database management system log for more information.

121,0,61

Could not send row to DBMS.

Cause: A database management system error was encountered during an attempt to store a row.

Action: Check the database management system log for more information.

- 121,0,62** **Could not allocate space for command buffer.**
- Cause:** A database management system error was encountered while constructing a command buffer.
- Action:** Check the database management system log for more information.
-
- 121,0,63** **Could not send command to DBMS.**
- Cause:** A database management system error was encountered while sending a command.
- Action:** Check the database management system log for more information.
-
- 121,0,64** **Failed to retrieve results from DBMS.**
- Cause:** A database management system error was encountered while trying to retrieve results.
- Action:** Check the database management system log for more information.
-
- 121,0,65** **Could not write text or image data to DBMS.**
- Cause:** A database management system error was encountered while trying to write text or image data.
- Action:** Check the database management system log for more information.

121,0,66**Failed to retrieve row from DBMS.**

Cause: A database management system error was encountered while trying to retrieve row data.

Action: Check the database management system log for more information.

121,0,67**Could not open cursor.**

Cause: A database management system error was encountered while trying to open the cursor.

Action: Check the database management system log for more information.

121,0,68**Could not update or delete where current of cursor.**

Cause: A database management system error was encountered while trying to update or delete from the current location of the cursor.

Action: Check the database management system log for more information.

121,0,69**Could not cancel current command.**

Cause: A database management system error was encountered while trying to cancel the current command.

Action: Check the database management system log for more information.

121,0,70**Could not initialize bulk copying.**

Cause: A database management system error was encountered while trying to initialize bulk copying.

Action: Check the database management system log for more information.

121,0,71**Could not close cursor.**

Cause: A database management system error was encountered while trying to close the cursor.

Action: Check the database management system log for more information.

121,0,72**Could not bind indicator variable.**

Cause: A database management system error was encountered while trying to bind and indicator variable.

Action: Check the database management system log for more information.

121,0,73**Both primary and secondary passwords are invalid to connect to RDBMS.**

Cause: Incorrect password has been entered.

Action: Contact your System Administrator to resolve the authentication problems.

- 121,0,74** **Table row length exceeds the limit for the page size.**
- Cause:** The row length for the table defined in the CREATE TABLE or ALTER TABLE statement exceeds the limit for the page size of the table space.
- Action:** Refer to DB2 help message for detailed explanation and the appropriate user response.
-
- 121,0,75** **User account is set with incorrect environment variables.**
- Cause:** Caused by not correctly running the inst_templates script.
- Action:** Contact your System Administrator to resolve the problem. IS will not function until this issue is resolved.
-
- 121,0,76** **The specified name is undefined and does not exist. The object name could be (for example) a sequence name or tablespace name. Make sure it is correctly specified. If it is a sequence object, make sure that you also have the right to perform the desired operation on this sequence.**
- Cause:** The database object could not be found.
- Action:** Verify the database configuration.
-
- 121,0,77** **Timeout while reconnecting to DB after connection loss. IS server was not able to reconnect to RDBMS server after the database connection loss. Most likely the data-**

base was not started up. Refer to accompanying messages for possible causes and correct them.

Cause: The connection to the database was lost. FileNet Image Services timed out after a trying limited number of times to re-connect.

Action: Please examine the database management system alert logs.

121,0,78

Client is required to re-issue operation after RDBMS connection loss. Image Services server was able to re-connect to RDBMS after its connection was lost. However, the original operation (such as query) cannot be correctly recovered until it is issued by client again.

Cause: The connection to the database was lost. After trying a limited number of times, FileNet Image Services was able to reconnect, but needs the client to retry the operation.

Action: Retry the operation.

121,1,1

An UPDATE or INSERT statement attempted to insert a duplicate key.

Cause: An update or insert statement attempted to insert a duplicate key.

Action: Either remove the unique restriction or do not insert the key.

121,1,201

Control file '*nn*' version *nn* incompatible with ORACLE version *nn*.

Cause: The control file was created by incompatible software, where *nn* is the version number.

Action: Either restart with a compatible software release or use CREATE CONTROL FILE to create a new control file that is compatible with this release. Refer to your Oracle documentation.

121,1,206**Error in writing control file '*name*' (block *nn*, # blocks *bb*).**

Cause: A disk write operation failed for the control file, where *name* is the control file name, *nn* is the block number, and *bb* is the number of blocks.

Action: Ensure that the disk is online. If the disk is not online, bring the disk online and try warm start again. If the disk is online, then you must recover the disk.

121,1,255**Error occurred during archival of log '*//*', sequence # *ss*.**

Cause: An error occurred during archival, where *//* is the log name and *ss* is the sequence number.

Action: Check the error stack for more detailed information. If you cannot archive the log because the online log is corrupted, then the log can be cleared using the UNARCHIVED option. This will make any existing backups useless for recovery to any time after the log was created, but will allow the database to generate a redo log.

121,1,470**LGWR process terminated with error.**

Cause: The log writer process died.

Action: Perform a warm start of the Oracle software.

- 121,1,471** **DBWR process terminated with error.**
Cause: The database writer process died.
Action: Perform a warm start of the Oracle software.
- 121,1,472** **PMON process terminated with error.**
Cause: The process monitor cleanup process died.
Action: Perform a warm start of the Oracle software.
- 121,1,474** **SMON process terminated with error.**
Cause: The system cleanup process died.
Action: Perform a warm start of the Oracle software.

- 121,1,1033** **ORACLE initialization or shutdown in progress.**
Cause: Oracle is being started or shut down.
Action: Wait for operation to complete.
- 121,1,1034** **ORACLE not available.**
Cause: Oracle is not started.
Action: Start Oracle or retry operation later.
- 121,1,1038** **Cannot write database file version *ff* with Oracle version *vv*.**
Cause: An attempt was made to write data file headers in an old format, where *ff* is the database file version and *vv* is the Oracle version. The new format cannot be used until after the database has been verified as being compatible with this software version.
Action: Open the database to advance to the new file formats, then repeat the operation. If the operation is required before the database can be opened, then use the previous software version to perform the operation.

121,1,1039 **Insufficient privileges on underlying objects of the view.**

Note User actually receives **Oracle error occurred** message and is told to see Oracle documentation or run the Oracle 'oerr' program for error message, at which point **oerr ora 1039** is entered.

Cause: Attempting to explain plan on other people's view without the necessary privileges on the underlying objects of the view.

Action: Obtain necessary privileges or do not perform the offending operation.

121,1,1079 **ORACLE database was not properly created, operation aborted.**

Cause: An error occurred when the database or control file was created.

Action: Determine what error occurred when the database was first created or when the control file was recreated. Take the appropriate actions to recreate the database or a new control file.

121,1,1104 **Number of control files *nn* does not equal number for first instance *nn***

Note User actually receives **Oracle error occurred** message and is told to see Oracle documentation or run the Oracle 'oerr' program for error message, at which point **oerr ora 1104** is entered.

Cause: The number of control files used by this instance does not match the number of control files in an existing instance, where *nn* is the number of control files.

Action: Check to ensure that all control files are listed.

121,1,1107

Database must be mounted for media recovery.

Cause: An attempt to perform media recovery was made but the database was not mounted.

Action: Mount the database.

121,1,1108

File *nn* is in media recovery.

Note

User actually receives **Oracle error occurred** message and is told to see Oracle documentation or run the Oracle 'oerr' program for error message, at which point **oerr ora 1108** is entered.

Cause: Media recovery is actively being applied to the file, where *nn* is the file name. The file cannot be used for normal database access or crash recovery.

Action: Complete or cancel the media recovery session.

121,1,1114

IO error writing blocks of file '*ff*' (block # *nn*, # blocks *bb*).

Cause: Device on which the file resides is probably offline, where *ff* is the file name, *nn* is the block number, and *bb* is the number of blocks.

Action: Restore access to the device.

121,1,1115 IO error reading blocks from file ‘*ff*’ (block # *nn*, # blocks *bb*).

Cause: Device on which the file resides is probably offline, where *ff* is the file name, *nn* is the block number, and *bb* is the number of blocks.

Action: Restore access to the device.

121,1,1541 System tablespace cannot be brought offline; shut down if necessary.

Cause: An attempt to bring tablespace offline was not successful.

Action: Shut down, if necessary, to perform recovery.

121,1,1552**Cannot use system rollback segment for non-system tablespace.**

Cause: The Oracle database is incorrectly configured.

Action: Check for the following dataset:

/fnsw/dev/1/oracle_tr0 (UNIX)
\\fnsw\\dev\\1\\oracle_tr0 (Windows Server)

Refer to appropriate paragraph below, depending on whether or not the oracle_tr0 dataset exists.

If the oracle_tr0 dataset exists, check the number of rollback segments. To check this parameter, enter fn_edit to start the Image Services System Configuration Editor. Click on the Relational Databases tab. Click on the Oracle tab. Ensure that the Number of Rollback Segments is set to 4. If the value is not set to 4, set the value to 4. To complete the procedure, refer to the instructions for your operating environment in the table below.

If the oracle_tr0 dataset does not exist, create the dataset by entering fn_edit to start the Image Services System Configuration Editor. Click on the Procedures tab and select Create an optional relational DB dataset. Select Oracle temporary and rollback segments. Follow the prompts to complete the procedure. Click on the Relational Databases tab and click on the Oracle tab. Set the Number of Rollback Segments to 4. To complete the procedure, refer to the instructions for your operating environment:

Operating Environment	Action
AIX	Run fn_dataset_config.
HP-UX	Run fn_dataset_config.
Windows Server	Run fn_util updatertdb.
Solaris	Use Veritas to create the logical volume, fn_oracle_tr0.

121,1,1562**Failed to extend rollback segment (id = nn).**

Cause: A failure occurred while trying to extend rollback segment, where *nn* is the ID. This is normally followed by another error that indicates the cause of the failure.

Action:. If restarting the system does not solve the problem, the roll-back segment could contain an active transaction and the system cannot roll the segment back for some reason. Check the trace file generated by the PMON process for more information.

- 121,1,1578** **ORACLE data block corrupted (file # *ff*, block # *bb*).**
- Cause:** The data block indicated was corrupted, probably due to software errors, where *ff* is the file number and *bb* is the block number.
- Action:** Try to restore the segment containing the block indicated. This could involve dropping the block and recreating it. If a trace file exists, report the errors to your Oracle representative.
-
- 121,1,3113** **End-of-file on communication channel.**
- Cause:** Oracle shadow process interrupted.
- Action:** Check for trace files and contact your service representative.
-
- 121,1,3114** **Not connected to Oracle.**
- Cause:** The Oracle database was not started correctly or the Oracle software was shutdown abnormally.
- Action:** Ensure that the Image Services software is started. If the Image Services software is not running, restart the Image Services software.
-
- 121,7,65534** **MSSQL error number is err_num from <MSSQL,7,err_num>.**
- Cause:** An error was returned from the database management system.
- Action:** See the Microsoft SQL Server documentation or run isqlw, osql or sqlcmd and run fn_error from the IBM/FileNet database: '<data-base name>..fn_error <err_num>' for the error message.

121,9,65534**DB2 error occurred.**

Cause: For detailed DB2 error message info, run **db2 ? SQLnnnnn** from the command prompt on UNIX or DB2 platforms or Command Window on Windows platform, where **nnnnn** is the error number. Prefix the error number with 0 (zero) if it is not a 5-digit number. For example, the DB2 help message for error tuple <121,9,513> can be queried by entering **db2 ? SQL00513**.

Action: See Cause.

121,10,65534**Encountered DB2 error which was not from data source.**

Cause: See Action.

Action: In the corresponding FileNet syslog, identify the **XXXnnnnn** value from the line that starts with ErrorMessage = '[IBM] ...', where **XXX** is the message prefix and **nnnnn** is the message number. Then, run **db2 ? XXXnnnnn** from the command prompt on UNIX or DB2 platforms or Command Window on Windows platform to query the detailed DB2 error message. For example, the DB2 help message for error message **[IBM][CLI Driver] CLI0109E ...** can be queried by entering **db2 ? CLI0109E**

121,12,65534**Encountered MSSQL Server error which was not from data source. This error may be detected by ODBC driver. For detailed information, review the corresponding IBM/ FileNet syslog or Microsoft SQL Server documentation.**

Cause: An error was returned from the database management system.

Action: Check the database management system log for more information and review the corresponding IBM FileNet syslog or Microsoft SQL Server documentation.

121,17,1**End of input expected.**

Cause: Error parsing definition file. End of input was expected but not found.

Action: Verify the file format.

121,17,2**Alias id expected.**

Cause: Error parsing definition file. Alias ID was expected but not found.

Action: Verify the file format.

121,17,3**Keyword 'allowed' expected.**

Cause: Error parsing definition file. Keyword 'allowed' was expected but not found.

Action: Verify the file format.

121,17,4**Column id expected.**

Cause: Error parsing definition file. Column ID was expected but not found.

Action: Verify the file format.

121,17,5**Colon expected.**

Cause: Error parsing export command file. A colon was expected but not found.

Action: Verify the file format.

121,17,6**Column name expected.**

Cause: Error parsing definition file. Column name was expected but not found.

Action: Verify the file format.

121,17,7**Column property expected.**

Cause: Error parsing definition file. Column property was expected but not found.

Action: Verify the file format.

121,17,8**Database expected.**

Cause: Error parsing export command file. A database was expected but not found.

Action: Verify the file format.

121,17,9**Database id expected.**

Cause: Error parsing definition file or export command file. Database ID was expected but not found.

Action: Verify the file format.

121,17,10

DBMS type expected.

Cause: Error parsing the rule file or export command file. DBMS type was expected but not found.

Action: Verify the file format.

121,17,11

Export command expected.

Cause: Error parsing export command file. Export command was expected but not found.

Action: Verify the file format.

121,17,12

Global rule expected.

Cause: Error parsing rule file. A global rule was expected but not found.

Action: Verify the file format.

121,17,13

idsize number expected.

Cause: Error parsing rule file. An idsize was expected but not found.

Action: Verify the file format.

121,17,14**Keyword index expected.**

Cause: Error parsing definition file. Keyword 'index' was expected but not found.

Action: Verify the file format.

121,17,15**Index id expected.**

Cause: Error parsing definition file or export command file. Index ID was expected but not found.

Action: Verify the file format.

121,17,16**Index property expected.**

Cause: Error parsing definition file. Index property was expected but not found.

Action: Verify the file format.

121,17,17**Initial value expected.**

Cause: Error parsing definition file. Value for keyword 'initial' was expected but not found.

Action: Verify the file format.

121,17,18**Location id expected.**

Cause: Error parsing definition file. Location ID was expected but not found.

Action: Verify the file format.

121,17,19

Maxextents value expected.

Cause: Error parsing the definition file. The Maxextents value was expected but not found.

Action: Verify the file format.

121,17,20

Next value expected.

Cause: Error parsing definition file. Next value was expected but not found.

Action: Verify the file format.

121,17,21

Number value expected.

Cause: Error parsing definition file. Number value was expected but not found.

Action: Verify the file format.

121,17,22

Owner expected.

Cause: Error parsing export command file. Owner was expected but not found.

Action: Verify the file format.

121,17,23**Owner id expected.**

Cause: Error parsing definition file or export command file. Owner ID was expected but not found.

Action: Verify the file format.

121,17,24**Pctfree value expected.**

Cause: Error parsing definition file. The Pctfree value was expected but not found.

Action: Verify the file format.

121,17,25**Pctincrease value expected.**

Cause: Error parsing definition file. The Pctincrease value was expected but not found.

Action: Verify the file format.

121,17,26**Column name for range expected.**

Cause: Error parsing export command file. Column name for range was expected but not found.

Action: Verify the file format.

121,17,27**Second table id expected.**

Cause: Error parsing export command file. Second table ID was expected but not found.

Action: Verify the file format.

121,17,28

Semi-colon expected.

Cause: Error parsing definition file. Semi-colon was expected but not found.

Action: Verify the file format.

121,17,29

Source DBMS expected.

Cause: Error parsing definition file. Source DBMS was expected but not found.

Action: Verify the file format.

121,17,30

Source expected.

Cause: Error parsing definition file. Source was expected but not found.

Action: Verify the file format.

121,17,31

Space value expected.

Cause: Error parsing definition file. Space value was expected but not found.

Action: Verify the file format.

121,17,32**Step expected.**

Cause: Error parsing definition file or export command file. Step was expected but not found.

Action: Verify the file format.

121,17,33**Step name expected.**

Cause: Error parsing definition file or export command file. Step name was expected but not found.

Action: Verify the file format.

121,17,34**Storage element expected.**

Cause: Error parsing definition file. Storage element was expected but not found.

Action: Verify the file format.

121,17,35**Table condition expected.**

Cause: Error parsing export command file. Table condition was expected but not found.

Action: Verify the file format.

121,17,36**Table expected.**

Cause: Error parsing export command file. Table was expected but not found.

Action: Verify the file format.

121,17,37

Table id expected.

Cause: Error parsing definition file or export command file. Table ID was expected but not found.

Action: Verify the file format.

121,17,38

Table property expected.

Cause: Error parsing definition file. Table property was expected but not found.

Action: Verify the file format.

121,17,39

Target number expected.

Cause: Error parsing export command file. Target number was expected but not found.

Action: Verify the file format.

121,17,40

Timestamp value expected.

Cause: Error parsing definition file. Timestamp value was expected but not found.

Action: Verify the file format.

- 121,17,41** **Upper or lower expected.**
Cause: Error parsing rule file. Keyword 'upper' or 'lower' was expected but not found.
Action: Verify the file format.
- 121,17,42** **Where condition string expected.**
Cause: Error parsing export command file. Where condition string was expected but not found.
Action: Verify the file format.
- 121,17,43** **Bad DBMS type.**
Cause: Error parsing export command file, rule file or definition file. Bad DBMS type given.
Action: Verify the file format.
- 121,17,44** **Error: owner should match.**
Cause: Error encountered while processing the rule file.
Action: Contact IBM Software Support for assistance.
- 121,17,45** **Add/delete specified twice.**
Cause: Error parsing definition file. Add or delete keyword was specified twice.
Action: Verify the file format.

121,17,46**Columns specified twice.**

Cause: Error parsing definition file. Column keyword was specified twice

Action: Verify the file format.

121,17,47**Identity specified twice.**

Cause: Error parsing definition file. Identity keyword was specified twice.

Action: Verify the file format.

121,17,48**Initial specified twice.**

Cause: Error parsing definition file. Initial keyword was specified twice.

Action: Verify the file format.

121,17,49**Length specified twice.**

Cause: Error parsing definition file. Length keyword was specified twice.

Action: Verify the file format.

121,17,50**Maxextents specified twice.**

Cause: Error parsing definition file. Maxextents keyword was specified twice.

Action: Verify the file format.

121,17,51

Next specified twice.

Cause: Error parsing definition file. Next keyword was specified twice.

Action: Verify the file format.

121,17,52

Null specified twice.

Cause: Error parsing definition file. Null keyword was specified twice.

Action: Verify the file format.

121,17,53

Keyword numeric_columns specified twice.

Cause: Error parsing definition file. numeric_columns keyword was specified twice.

Action: Verify the file format.

121,17,54

Pctfree specified twice.

Cause: Error parsing definition file. Pctfree keyword was specified twice.

Action: Verify the file format.

121,17,55

Pctincrease specified twice.

Cause: Error parsing definition file. Pctincrease keyword was specified twice.

Action: Verify the file format.

121,17,56

Precision or prec specified twice.

Cause: Error parsing definition file. Precision or Prec keyword was specified twice.

Action: Verify the file format.

121,17,57

Scale specified twice.

Cause: Error parsing definition file. Scale keyword was specified twice.

Action: Verify the file format.

121,17,58

Space specified twice.

Cause: Error parsing definition file. Space keyword was specified twice.

Action: Verify the file format.

121,17,59

Storage specified twice.

Cause: Error parsing definition file. Storage keyword was specified twice.

Action: Verify the file format.

121,17,60**Unique specified twice.**

Cause: Error parsing definition file. Unique keyword was specified twice.

Action: Verify the file format.

121,17,61**User_index_mask specified twice.**

Cause: Error parsing definition file. User_index_mask keyword was specified twice.

Action: Verify the file format.

121,17,62**Rule specified twice.**

Cause: Error parsing rule file. Rule was specified twice.

Action: Verify the file format.

121,17,63**Incomplete column specification.**

Cause: Error parsing definition file. Column specification is incomplete.

Action: Verify the file format.

121,17,64**Length inappropriate for type.**

Cause: Error parsing definition file. Length is inappropriate for type.

Action: Verify the file format.

121,17,65**Missing left bracket.**

Cause: Error parsing definition file, rule file or export command file.
Missing left bracket.

Action: Verify the file format.

121,17,66**Missing right bracket.**

Cause: Error parsing definition file or rule file. Missing right bracket.

Action: Verify the file format.

121,17,67**No columns given for index.**

Cause: Error parsing definition file. No columns given for index.

Action: Verify the file format.

121,17,68**Failed to open input file.**

Cause: Could not import, export or rule file.

Action: Verify the file format.

121,17,69**Aliasing not allowed for wildcard.**

Cause: Error parsing definition file. Aliasing not allowed for wildcard.

Action: Verify the file format.

121,17,70**Type must be numeric.**

Cause: Error parsing definition file. Type must be numeric.

Action: Verify the file format.

121,17,71**Not implemented.**

Cause: Error parsing definition file or export command file. Keyword not implemented.

Action: Verify the file format.

121,17,72**Precision/scale inappropriate for type.**

Cause: Error parsing definition file. The precision or scale is inappropriate for type.

Action: Verify the file format.

121,17,73**Conflicting rules found.**

Cause: Error parsing rule file. Conflicting rules found.

Action: Verify the file format.

121,17,74**Too many columns for index.**

Cause: Error parsing definition file or rule file. Too many columns for index.

Action: Verify the file format.

121,17,75**Too many owner rules.**

Cause: Error parsing rule file. The maximum number of owners allowed was exceeded.

Action: Verify the file format.

121,17,76**Too many table rules.**

Cause: Error parsing rule file. The maximum number of table rules allowed was exceeded.

Action: Verify the file format.

121,17,77**Type specified twice.**

Cause: Error parsing definition file. Type specified twice.

Action: Verify the file format.

121,17,78**Unexpected keyword.**

Cause: Error parsing export command file. Unexpected keyword.

Action: Verify the file format.

121,17,79**Expected end of input.**

Cause: Error parsing export command file, definition file or rule file. Expected end of input.

Action: Verify the file format.

- 121,17,80 Error: unknown column type.**
Cause: Error parsing export command file or definition file. Unknown column type.
Action: Contact IBM Software Support for assistance.
- 121,17,81 Unknown column type.**
Cause: Error parsing export command file or definition file. Unknown column type.
Action: Verify the file format.
- 121,17,82 Unknown source dbms.**
Cause: Error parsing definition file. Unknown source DBMS.
Action: Verify the file format.
- 121,17,83 Modifier id expected.**
Cause: Error parsing definition file. Modifier ID expected.
Action: Verify the file format.
- 121,17,84 Table conditions not allowed for wildcard.**
Cause: Error parsing export command file. Table conditions not allowed for wildcard.
Action: Verify the file format.

- 121,17,85** **Keyword where specified twice.**
Cause: Error parsing export command file. Keyword where specified twice.
Action: Verify the file format.
- 121,17,86** **Range specified twice.**
Cause: Error parsing export command file. Range specified twice.
Action: Verify the file format.
- 121,17,87** **Cannot specify the range and where.**
Cause: Error parsing export command file. Range and where cannot be specified together.
Action: Verify the file format.
- 121,17,88** **Range must be for only table in step.**
Cause: Error parsing export command file. Ranges only allowed if just one table per step.
Action: Verify the file format.
- 121,17,89** **Error on file close.**
Cause: Encountered error closing import, export or rule files.
Action: Reference the elog.

121,17,90**Error: unknown column type.**

Cause: Error parsing export command file or definition file. Unknown column type.

Action: Contact IBM Software Support for assistance.

121,17,91**Invalid directory magic number.**

Cause: Error processing data directory. Invalid magic number encountered. Data may be corrupt.

Action: Contact IBM Software Support for assistance.

121,17,92**Invalid directory level number.**

Cause: Error processing data directory. Invalid directory level number encountered. Data may be corrupt.

Action: Contact IBM Software Support for assistance.

121,17,93**Invalid table header magic number.**

Cause: Error importing table header. Invalid table header identifier.

Action: Contact IBM Software Support for assistance.

121,17,94**Invalid table header level number.**

Cause: Error importing table header. Invalid table header level.

Action: Contact IBM Software Support for assistance.

- 121,17,95** **Wrong identification number in restart file.**
Cause: The restart file has a bad magic number. It may be corrupt.
Action: Contact IBM Software Support for assistance.
- 121,17,96** **No known type found for column.**
Cause: Unsupported column datatype in export command file.
Action: Verify the file format.
- 121,17,97** **Name longer than allowed.**
Cause: Error parsing export command file or definition file. Name token exceeds allowed length limit.
Action: Verify the file format. Reduce the token name length.
- 121,17,98** **Translate option specified twice.**
Cause: Error parsing definition file. Translate option specified twice.
Action: Verify the file format.
- 121,17,99** **Keyword 'from' expected.**
Cause: Error parsing definition file. Keyword 'from' expected.
Action: Verify the file format.

- 121,17,100 Name of character set expected.**
Cause: Error parsing definition file. Name of character set expected.
Action: Verify the file format.
- 121,17,101 Keyword 'to' expected.**
Cause: Error parsing definition file. Keyword 'to' expected.
Action: Verify the file format.
- 121,17,102 Unknown character set for translation.**
Cause: Error parsing definition file. Unknown character set for translation.
Action: Verify the file format.
- 121,17,103 Write error.**
Cause: Export/import file write error.
Action: Reference the elog.
- 121,17,104 Read error.**
Cause: Export/import file read error.
Action: Reference the elog.

- 121,17,105** **Index list given twice.**
Cause: Export command file parsing error. Index list given twice.
Action: Verify the file format.
- 121,17,106** **Named index not found.**
Cause: Error querying the database for export. Named index not found.
Action: Verify database configuration.
- 121,17,107** **Options expected.**
Cause: Export command file parsing error. Options expected.
Action: Verify the file format.
- 121,17,108** **Unknown job option.**
Cause: Export command file parsing error. Unknown job option.
Action: Verify the file format.
- 121,17,109** **Disk directory name expected.**
Cause: Export command file parsing error. Disk directory name expected.
Action: Verify the file format.

- 121,17,110 **Badly formed NCH Object Name.****
Cause: Export command file parsing error. Badly formed NCH Object Name.
Action: Verify NCH object name and format.
- 121,17,111 **Unknown device type.****
Cause: Export/import file device error. Unknown device type.
Action: Verify the device type.
- 121,17,112 **Device specified twice.****
Cause: Export command file parsing error. Device specified twice.
Action: Verify the file format.
- 121,17,113 **No tape drive found in NCH.****
Cause: Export/import file device error. No tape drive found in NCH.
Action: Specify tape drive in NCH.
- 121,17,114 **End of file on input.****
Cause: Export/import file read error. Unexpected end of file encountered.
Action: Verify the file format.

- 121,17,115** **Invalid scan_init type.**
Cause: Invalid import/export input file type encountered.
Action: Verify the file format and suffix.
- 121,17,116** **BLOB key column name expected.**
Cause: Definition file parsing error. BLOB key column name expected.
Action: Verify the file format.
- 121,17,117** **Keyword location specified twice.**
Cause: Definition file parsing error. Keyword location specified twice.
Action: Verify the file format.
- 121,17,118** **Modifier specified twice.**
Cause: Definition file parsing error. Modifier specified twice.
Action: Verify the file format.
- 121,17,119** **Keyword 'exclude' is specified twice.**
Cause: Definition file parsing error. Keyword 'exclude' is specified twice.
Action: Verify the file format.

- 121,17,120** **blob_key specified twice.**
Cause: Definition file parsing error. blob_key specified twice.
Action: Verify the file format.
- 121,17,121** **Exclude attribute must be specified alone.**
Cause: Definition file parsing error. Exclude attribute must be specified alone.
Action: Verify the file format.
- 121,17,123** **Failed to open log file.**
Cause: An error occurred opening the log file.
Action: Reference the elog.
- 121,17,125** **Unexpected io buffer type.**
Cause: Export/import network data error. Unexpected io buffer type.
Action: Verify network connection.
- 121,17,126** **Network io buffer out of sequence.**
Cause: Export/import network data error. Network io buffer out of sequence.
Action: Verify network connection.

121,17,127**The file is out of sync - wrong file received.**

Cause: Export/import network data error. The file is out of sync - wrong file received.

Action: Verify network connection.

121,17,128**Invalid network buffer block type.**

Cause: Export/import network data error. Invalid network buffer block type.

Action: Verify network connection.

121,17,129**Failed to open network connection.**

Cause: Export/import network data error. Failed to open network connection.

Action: Verify network connection and configuration.

121,17,130**Network hostname expected.**

Cause: Error parsing the export command file. Network hostname expected.

Action: Verify the file format.

121,17,131**Incorrect export/import coordination level received.**

Cause: Network job info level mismatch, network restart info level mismatch or network restart notify mismatch.

Action: Verify network connection and configuration.

121,17,132

Prefix attribute specified twice.

Cause: Definition file parsing error. Prefix attribute specified twice.

Action: Verify the file format.

121,17,133

Prefix string expected.

Cause: Definition file parsing error. Prefix string expected.

Action: Verify the file format.

121,17,134

Prefix not allowed on existing index.

Cause: Definition file parsing error. Prefix not allowed on existing index.

Action: Verify the file format.

121,17,137

Inconsistent timestamps (.def, .dat, restart).

Cause: Inconsistent time stamps were found for the .def, .dat and restart files.

Action: Verify the files are correct.

121,17,138

Two restart row counts found - cannot resolve.

Cause: Restart file failure. Two restart row counts were found.

Action: Verify the file format.

121,17,140

Step for restart not found.

Cause: Restart file failure. Step for restart not found.

Action: Verify the file format.

121,17,141

Wrong row encountered.

Cause: Restart file failure. Wrong row received.

Action: Verify the file format.

121,17,142

Read error on restart file.

Cause: Error reading restart file.

Action: Verify the file format.

121,17,143

Inconsistent network restart info.

Cause: Restart file error. Inconsistent network restart information.

Action: Verify the network connection and data format.

121,17,144

Where condition exceeds maximum length.

Cause: Export command file parsing error. Where condition exceeds the maximum size.

Action: Verify the file format. Reduce the length of the Where condition.

121,17,145

Pctused value expected.

Cause: Error parsing definition file. Pctused value expected.

Action: Verify the file format.

121,17,146

Pctused specified twice.

Cause: Error parsing definition file. Pctused specified twice.

Action: Verify the file format.

121,17,147

Synonym specified twice.

Cause: Error parsing definition file. Synonym specified twice.

Action: Verify the file format.

121,17,148

Column in index not found in table.

Cause: Error occurred during export query. Index column not be found or is an unsupported column datatype.

Action: Verify database data and configuration.

121,17,149

Network close error.

Cause: Network close error encountered during import/export.

Action: Verify network connection.

121,17,150

Clustered/non_clustered specified twice.

Cause: Definition file parsing error. Clustered/non_clustered specified twice.

Action: Verify the file format.

121,17,151

Error reading rdbvers.glob file to determine SQL Server version. Run 'fn_build -a' to create the file if it does not exist.

Cause: Could not determine SQL Server version.

Action: Run 'fn_build -a' to create the rdbvers.glob file if it does not exist.

OPM (130) Messages

The Operator Message Passing (OPM) abstract manages the insertion and retrieval of RSVP and informational messages. The program dsched calls OPM entry points to create an RSVP or INFO message. The Storage Library Control program calls OPM entry points to retrieve the message and formats and/or localizes a customized message and displays it on the screen.

The RSVP/INFO script trigger feature (RCI 2810) has added the capability to launch an user program whenever an RSVP or informational message is generated. The interface to the user program is via the arguments lists. The details of the argument list is described on the design document.

The following are the OPM error tuples that are created for a surface insertion request or an information related to a specific library, drive, slot, or a surface.

130,32,1

Insert a blank optical media into the library.

Cause: The system requests a blank optical media to be inserted into the library in order to write documents on it. The RSVP trigger feature contains arguments to indicate with what surface ID it will be labeled, which library the blank surface should be inserted into, and what media type is requested.

Action: Insert the correct type of blank media into the library.

130,32,2**Insert the labeled optical media into the library.**

Cause: The system requests an optical disk with a specified surface ID to be inserted into the library for a read/write request. The RSVP trigger feature contains arguments to indicate the requested surface ID, and the requested library the labeled media should be inserted into.

Action: Insert the correct labeled media into the library.

130,32,3**Insert the labeled MSAR surface into the library.**

Cause: The system requests an MSAR surface with a specified surface ID to be inserted into the library for a read/write request. The RSVP trigger feature contains arguments to indicate the requested surface ID, and the requested library the MSAR surface should be inserted into.

Action: Insert the correct labeled media into the library.

130,33,1**Library calibration started.**

Cause: For FileNet optical storage library only. This happens when someone selects the **Calibrate Library** button in the Configuration window of the Storage Library Control program. This process will align the gripper with the slots.

Action: This is an informational message. No action is required.

130,33,2**Library calibration ended.**

Cause: For FileNet optical storage library only. This happens when calibration process has completed.

Action: This is an informational message. No action is required.

130,33,3**Identification of all media has started.**

Cause: This happens when someone selects the Identify **Media in Library** button in the Configuration window of the Storage Library Control program. For an optical storage library, this causes all disks to be swapped into the drives to be identified so that the software will build a slot map of where the media are located. For an MSAR library, this synchronizes the slot map with the MKF lib_surface database. It also verifies that each MSAR file exists, has the correct permission, contains the correct checksums, and is the right version.

Action: This is an informational message. No action is required.

130,33,4**Identification of all media has ended.**

Cause: This happens when the disk identification process has completed.

Action: This is an informational message. No action is required.

130,33,5**All drives are disabled.**

Cause: This happens when all the drives in a library are disabled. An optical drive can be automatically disabled when a drive malfunctions. An optical and MSAR drive can be manually disabled via the **Disable** button on the Storage Library window of the Storage Library Control program.

Action: If this is a hardware problem, fix the drive and then enable it. If this is not a hardware problem, enable at least a drive for read/write requests.

130,33,6**Found surface (formally unidentified).**

Cause: For optical storage library only. The software has just identified an unknown disk. This happens when an operator has manually inserted a labeled disk into a slot or drive of a library without the software knowing about it (such as when FileNet software is down). When the software is brought up, it detects the physical disk is out of sync with what is recorded in the slot map. The software identifies it and records it on the map.

Action: This is an informational message. No action is required.

130,33,7**Surface is lost (not where expected).**

Cause: For optical storage library only. This happens when the slot map is out of sync with the actual physical media layout of the library, and the software detects that a surface that was previously known to the software map no longer resides in the library.

Action: This could be an informational message. However, the user should figure out where the surface has gone.

130,33,8**Surface to be ejected due to previous error.**

Cause: Due to a software or hardware error, the software has requested this surface to be ejected. For example, if the surface is an optical surface, the disk needs to be cleaned.

Action: Look at the corresponding RSVP message or the system log for the error tuples and surface ID for more information. The error tuple will indicate the problem. Eject the disk, correct the problem, and re-insert the surface into the library if there is an insertion request for the disk.

130,33,9**Expected surface is different from found surface. Mismatched media is to be ejected.**

Cause: The software finds an unexpected, labeled surface (for example, a labeled surface with a different surface ID). The software wants it to be ejected.

Action: Eject the disk. Locate the requested disk.

130,33,10**Drive retry limit exceeded for media operation.**

Cause: The drive fails to recover from a hardware error. Look at the corresponding RSVP message or the system log for error tuple information and the surface ID. The error tuple will indicate the problem. The RSVP trigger program will include information such as which drive has the problem.

Action: Fix the drive.

130,33,11**Drive disabled due to previous error.**

Cause: The drive fails to recover from a hardware error. The software disables the drive to prevent media swapping into the drive.

Action: Fix the drive, then enable the drive.

130,33,14**A slot has been disabled.**

Cause: A hardware move error has caused the software to disable the slot with the media still inside the slot. (For example, the gripper has problems moving the media from one slot to another or to a drive.) In this case, the surface will be disabled for read/write. So, documents can be read from an alternative surface, and the new documents can be written to a new surface.

Action: Fix the hardware problem. Then enable the slot and the surface for read/write requests.

130,33,15**Media formatting has started. This may take a while.**

Cause: This happens on 5" HP/IBM optical re-writable disks only, which includes the 1.3 GB, 2.6 GB, 5.2 GB, and 9.1 GB. The formatting process erases the vendor's pre-formatted data. The formatting of a disk can take 10 to 30 minutes.

Action: This is an informational message. No action is required.

130,33,16**Media formatting has completed.**

Cause: This happens on 5" HP/IBM optical re-writable disks only, which includes the 1.3 GB, 2.6 GB, 5.2 GB, and 9.1 GB. This indicates the formatting process has completed.

Action: This is an informational message. No action is required.

130,33,17**Identification of all media failed. Refer to log for details.**

Cause: For an optical library, a hardware move error or drive error can cause the identification process to not complete. For an MSAR surface, a no available drive situation can cause the identification process to no complete.

Action: Look at the system log for error messages. Fix the problem. Issue the command again by selecting the **Identify Media in Library** button in the Configuration window of the Storage Library Control program.

130,33,18**Surface is disabled for read and write.**

Cause: A hardware error has caused software to disable the media for read and write. Note that both sides of the media will be disabled for read/write.

Action: Fix the hardware problem. Then enable the surface for read/write again.

130,33,19**Surface is disabled for write.**

Cause: A hardware error has caused the software to disable the media for write. (For example, a Write Power Calibration error on a Plasmon drive/surface can cause a write problem, or the Media Calibration Track error on an IBM disk can cause a write problem.) The software disables the media for write to prevent further write problems.

Action: This is an informational message. Look at the associated RSVP message or the system log for the error tuple and determine what the problem is. In general, the write requests will be redirected to a new surface, and this surface with the error has become read only.

130,33,20**Library has been changed to normal mode.**

Cause: Someone has entered the library into normal mode from either backup mode for an MSAR library, or disabled mode from an optical library.

Action: This is an informational message. No action is required.

130,33,21**Library has been changed to backup mode.**

Cause: For MSAR library only. Someone has entered the library into backup mode. In backup mode, all the surfaces for that library are read only, so the MSAR surfaces can be backed up.

Action: This is an informational message. No action is required.

130,33,22**Library has been changed to disabled mode.**

Cause: For optical storage library only. Someone has entered the library into disabled mode.

Action: This is an informational message. However, the user should change the library back to normal mode if the library has no hardware problem.

130,33,23**Library failed to change to normal mode.**

Cause: For MSAR library only. This happens if someone wants to change a library from backup to normal mode, but fails because there is no available drive to do this process. The process of changing to normal mode requires unloading all surfaces from the drives, and forcing all FileNet applications to close all opened surface files so they can be re-opened later in read/write mode.

Action: Enable one drive. Then enter the library into the normal mode using either DOC_tool's backupmode command or selecting the **Enable** button in the Storage Library Control main window.

130,33,24**Library failed to change to backup mode.**

Cause: For MSAR library only. This happens if someone wants to change the library from normal to backup mode, but it fails because:

- There is no available drive to do this process,
- It failed to update MSAR checksums for an MSAR surface, **or**
- It failed to write surface directory or short descriptor entries for an MSAR surface.

Action: Look at the system log for error tuples and figure out the reason. Correct the problem and retry the process again via either DOC_ tool's backupmode command or selecting the **Enable** button in the Storage Library Control main window.

130,33,26**MSAR is in backup mode. Identification of all media cannot be completed.**

Cause: For MSAR library only. The process of identifying an MSAR library requires all MSAR surfaces to be read by a drive, and checksum values to be updated. If the MSAR library is in backup mode, the updating of the checksum values cannot be done. Consequently, the identification function cannot be completed.

Action: Change the library to normal mode. Then, start the identify disk process again by selecting the Identify Disk in Library button in the Configuration window of the Storage Library Control program.

130,33,27**No drives are available.**

Cause: All drives are either disabled or reserved by the oddump program.

Action: Enable a drive or quit the oddump program.

ARM (133) Messages

The IBM FileNet® Image Services shared library Arm Manager (ARM) transfers media between two slots, two drives, or a slot and a drive in a shared library. It also issues commands that build a slot, or build a drive map of the shared library to track a surface location. The ARM abstract sends SCSI or TTY commands that track and report any data errors in the system log.

This section has information about ARM error codes, which begin with “133.” Each entry has an error code, an error message, a possible cause, and an action.

133,0,0**An error was encountered in the ARM routine.**

Cause: The storage library encountered a hardware configuration error. The RF389 error in the following example indicates that the storage library has been idle for more than 30 minutes and the motors have been powered off.

133,0,0 dsched (24623). [INFO] ARM Command: aSE024 Fault status: aRF3892

Action: The system has to send the library an initialization command (Home) before it can be used. As long as commands are sent to the storage library at less than 30 minute intervals, this problem does not occur. When it does occur, it indicates sporadic long retrieval times.

133,0,2**Storage library broken.**

Cause: The library has encountered an unrecoverable hardware error. This error message indicates that the storage library did not immediately find the alignment target for the destination after completing a move. It used a "hunt" routine to find the target and complete the operation. If you receive this error message, it indicates long retrieval times.

133,0,2 dsched (24626)... [WARNING] ARM Command bSE012, Status bHABD, Backup mode 153

Action: Review system log for error codes, error messages, and sense data information. Calibrate the storage library.

However, if this is a problem with the storage library robotic mechanism, contact the hardware vendor for support.

133,0,3**Gripper empty.**

Cause: A system failure or a hardware failure has occurred.

Action: Identify the disks by running the FileNet Image Services Application Executive (Xapex) program, and selecting **Xslc > Select optical library -> show -> Miscellaneous -> Identify Media** from the main menu.

If the problem persists after running the FileNet Image Services Application Executive (Xapex) program, contact the hardware vendor for support.

133,0,4**Gripper full.**

Cause: The gripper is full.

Action: Contact the hardware vendor for support.

133,0,5**Slot empty.**

Cause: A surface was manually removed from a slot but the status was not updated, which caused the slot map to get out of sync with the actual physical media layout of the library.

Action: Confirm that the slot is empty. If the slot is empty, run the FileNet Image Services Application Executive (Xapex) program, and select **Xslc -> Select optical library -> show -> Miscellaneous -> Identify Media** from the main menu to synchronize the map with the physical layout of the media. If the slot is not empty, contact the hardware vendor for support.

133,0,6**Slot full.**

Cause: A surface was manually added to a slot but the status was not updated, which caused the slot map to get out of sync with the actual physical media layout of the library.

Action: Confirm that the slot is full. If the slot is full, run the FileNet Image Services Application Executive (Xapex) program, and select **Xslc -> Select optical library -> show -> Miscellaneous -> Identify Media** from the main menu to synchronize the map with the physical layout of the media. If the slot is empty, contact the hardware vendor for support.

133,0,7**Drive empty.**

Cause: A surface was manually removed from a drive but the drive status was not updated.

Action: Confirm that the drive is empty. If the drive is empty, run the FileNet Image Services Application Executive (Xapex) program, and select **Xslc -> Select optical library -> show -> Miscellaneous -> Identify Media** from the main menu to synchronize the map with the physical layout of the media. If the drive is full, contact the hardware vendor for support.

133,0,8**Drive full.**

Cause: A surface was manually added to a drive but the drive status was not updated.

Action: Confirm that the drive is full. If the drive is full, run the FileNet Image Services Application Executive (Xapex) program, and select **Xslc -> Select optical library -> show -> Miscellaneous -> Identify Media** from the main menu to synchronize the map with the physical layout of the media. If the drive is empty, contact the hardware vendor for support.

133,0,9**I/O station empty.**

Cause: The optical media was manually removed from the I/O station.

Action: Insert the optical media into the I/O station.

133,0,10**I/O station full.**

Cause: The optical media was manually inserted into the I/O station.

Action: Remove the optical media from the I/O station.

133,0,11**Storage library disabled.**

Cause: The storage library was manually disabled, or it was automatically disabled as the result of an unrecoverable hardware error.

Action: Enable the storage library by running the FileNet Image Services Application Executive (Xapex) program, and selecting **Xslc -> Select optical library -> Enable** from the main menu. If the problem persists, contact the hardware vendor for support.

133,0,12**No such drive.**

The specified drive does not exist.

Cause: An unrecoverable software error has occurred.

Action: Contact IBM Software Support for assistance.

133,0,13**Drive broken.**

Cause: A hardware problem has caused the drive to break.

Action: Contact the hardware vendor for support.

133,0,16**Bad storage library status.**

Cause: A software or a hardware problem has caused an unexpected status.

Action: Recycle and power down both the Image Services software and the storage library. If the problem persists, contact IBM Software Support for assistance.

133,0,17**Can't enable optical gripper.**

Cause: A software or a hardware problem is preventing the system from enabling the gripper.

Action: Recycle and power down both the Image Services software and the storage library. If the problem persists, contact IBM Software Support for assistance.

- 133,0,18** **Error during the I/O station swap attempt**
The attempt to swap the I/O station has failed.
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,19** **Media cannot be accepted because media is already in a storage library.**
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,20** **No slots available to hold media being input.**
Cause: The storage library is full.
Action: Eject an optical surface and try the operation again.
- 133,0,21** **Illegal storage library command.**
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,23** **Storage library time-out error.**
Cause: A hardware error has caused the storage library to time out.
Action: Contact the hardware vendor for support.

- 133,0,24** **Wrong type of media mounted in drive.**
Cause: The media that is currently mounted in the drive is not a supported media type.
Action: Insert the correct type of media into drive.
- 133,0,25** **This command not supported by the Rapid Changer.**
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,32** **Invalid drive for Rapid Changer.**
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,33** **Function is only applicable to Rapid Changer.**
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,34** **Door open.**
Cause: The media access door must be closed before the operation can proceed.
Action: Close the Rapid Changer door.

- 133,0,35** **Invalid slot number.**
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,36** **Accessed a storage library type which is not supported on this platform.**
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,37** **The inserted media is not the same type as that of the media family.**
Cause: The inserted media is not supported by the media family.
Action: Insert media that is supported by the media family that is configured for storage library.
- 133,0,38** **Media Out Of Place or up-side-down in slots. Rack 0 sensor intercepted.**
Cause: The current write surface for the tranlog family is full.
Action: Further writes to the tranlog family might require a new media surface. If that is necessary, an RSVP will be posted in Storage Library Control.

- 133,0,39** **The first destination of an exchange is empty.**
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,41** **The SCSI command data buffer not properly aligned.**
Cause: An unrecoverable software error has occurred.
Action: Contact IBM Software Support for assistance.
- 133,0,43** **Media is not accepted due to write incompatible to the Storage Library.**
Cause: The media is read-only.
Action: Insert the correct type of media into the storage library.
- 133,0,44** **Media Out Of Place or up-side-down in slots. Rack 0 sensor intercepted.**
Cause: The optical surface that is in the library was inserted with the wrong orientation.
Action: Eject the optical surface and then reinsert it with the correct orientation.

133,0,45**Media Out Of Place or up-side-down in slots. Rack 1 sensor intercepted.**

Cause: The optical surface that is in the library was inserted with the wrong orientation.

Action: Eject the optical surface and then reinsert it with the correct orientation.

133,0,46**Media out of place or upsidedown in slots. Rack 2 sensor intercepted.**

(Plasmon 30 GB disks on a FileNet library only)

Cause: The disk is upside-down in the slot.

Action: Remove the disk and reinsert it into the slot right side up.

133,0,49**An upsidedown media is ejected from a drive to an I/O station. Please remove media.**

(Plasmon 30 GB disks only)

Cause: The drive detected an upside-down 30GB disk and ejected it to the I/O station.

Action: Remove the disk from the I/O station.

133,0,50 Failed to eject an upsidedown media from drive because I/O station is full.

(Plasmon 30 GB disks only)

Cause: The drive detected an upside-down 30GB disk and was disabled after the disk failed to eject to the I/O station because a different disk was already in the station.

Action: Remove the disk from the I/O station and enable the drive. The upside-down media will be ejected automatically.

133,0,51 Failed to eject an upsidedown media from drive. See sys log sense data.

(Plasmon 30 GB disks only)

Cause: The drive detected an upside-down 30GB disk but could not eject it to the I/O station because of errors.

Action: Look at the system log for any error codes messages. Manually remove the disk from the drive.

133,0,52 Failed to initialize shuttle because some media are inserted incorrectly in slots.

(Rapid Changer libraries only)

Cause: One or more disks are inserted incorrectly in the slots. The system cannot move to start the initialization process.

Action: Turn any upside-down disks right side up.

- 133,0,53** **Library capacity has been exceeded. The amount of media in the library is greater than number of enabled slots.**
- Cause:** When the library capacity was reached, the library failed to eject the media that has been loaded for the longest about of time.
- Action:** Eject seldom used surfaces to get library to capacity.
-
- 133,0,54** **MSAR surface in bad state.**
- Cause:** An attempted was made to file the MSAR surface into the MSAR library when the MSAR surface was being converted.
- Action:** No action is required. The MSAR surface will be placed into the MSAR library after the conversion is finished.
-
- 133,0,55** **Operation only for MSAR libraries.**
- Cause:** An unrecoverable software error has occurred.
- Action:** Contact IBM Software Support for assistance.
-
- 133,0,56** **Operation not valid in any MSAR libraries.**
- Cause:** An unrecoverable software error has occurred.
- Action:** Contact IBM Software Support for assistance.

133,0,57 Attempted to eject MSAR surface that is not in specified MSAR library.

Cause: The wrong surface ID was specified in Xapex.

Action: Select the correct MSAR surface or library and try again.

133,0,58 MSAR surface is already in library.

Cause: The MSAR surface is already in the system or an attempt was made to insert an MSAR surface into one MSAR library while the surface was still in another library.

Action: No action is required.

133,0,59 Attempted to insert incompatible media to drive.

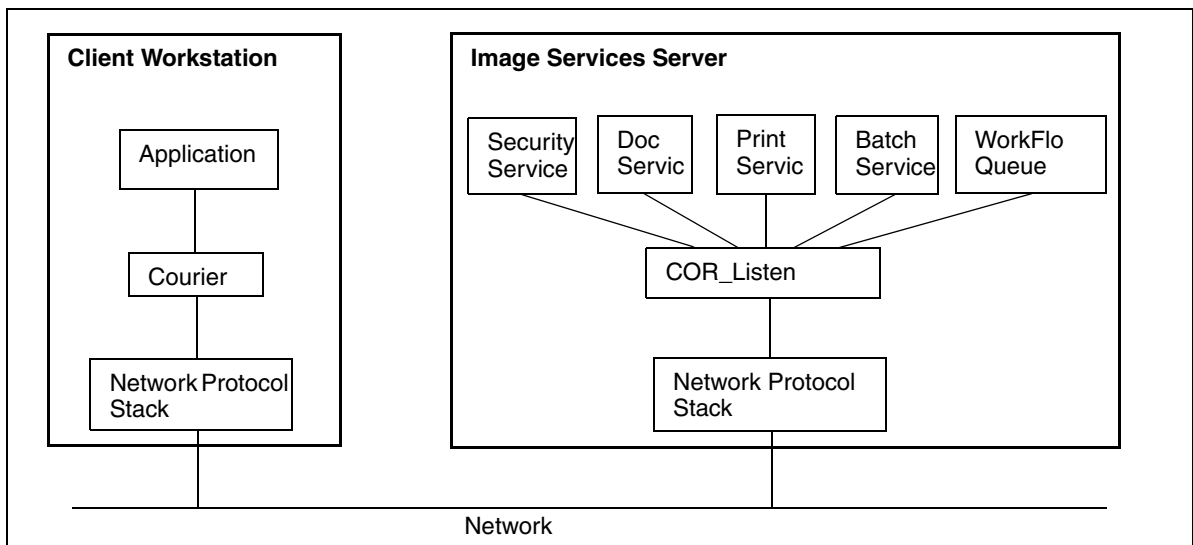
Cause: The drive does not support the media type.

Action: Insert media that is compatible with the drive.

COR (155) Messages

The Courier (COR) shared library is the presentation layer of the communications protocol stack. Courier is the intermediary between FileNet application-level software and lower-level network routing protocols (such as TCP/IP).

The COR shared library processes Remote Procedure Calls (RPCs) from client application programs. Client workstations use RPCs to access FileNet Image Services services such as Index, Cache, Doc, Print, Batch, and Security. The client workstation sends the RPC through the network to the FileNet Image Services server. The FileNet Image Services server performs the requested operation and sends the response to the client workstation.



COR Shared Library Diagram

COR shared library error codes begin with 155. Each entry has an error code, an error message, possible causes, and recommended actions.

Note The middle value in the following error codes can vary, although the same error message text displays.

155,0,11

COR main: bad version number

Cause: The version of the COR abstract is not compatible with the installed FileNet Image Services software.

Action: Apply the current FileNet Image Services Fix Pack to insure that all dependent modules are installed.

155,1,1

COR_Close: bad cor handle.

Cause: An application error occurred. A Courier client passed an invalid Courier handle to a Courier function.

Action: Contact IBM Software Support for assistance.

155,1,21

COR_Close: close connection without sending any RPC

Cause: An application opened a courier connection and closed it sending an Remote Procedure Call.

Action: No action is typically required for this informational message. If this error persists, contact IBM Software Support for assistance.

-
- 155,1,201** **COR_Close: unexpected response to close request**
- Cause:** The operating system failed to perform the close request.
- Action:** No action is typically required for this informational message. If this error persists, contact IBM Software Support for assistance.
-
- 155,1,206** **COR_Close: close failed**
- Cause:** The operating system failed to perform the close request.
- Action:** No action is typically required for this informational message. If this error persists, contact IBM Software Support for assistance.
-
- 155,2,2** **COR_CrAprConn: maximum COR connections exceeded**
- Cause:** Could not allocate a dynamic COR handle. The getgloarea() function could have failed.
- Action:** Examine your server for performance tuning. This error typically occurs when the incoming requests are received faster than they can be processed.
-
- 155,2,3** **COR_CrAprConn: not enough memory for buffer.**
- Cause:** A configuration or application error occurred and Courier attempted to allocate memory and the request failed. This error could have resulted from memory leaks in an application on the server (not necessarily Courier).
- Action:** Configure your operating system settings to accommodate your system usage. Examine your physical memory and assigned virtual memory.

155,5,1**COR_Delete: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,5,132**COR_Delete: A sequence of context-sensitive RPCs was not terminated with a context-free RPC before the connection was closed**

Cause: Context should be in a CONTEXT_FREE state before closing the COR_Delete() function.

Action: Examine the client application to confirm that it is closing an RPC properly.

155,6,1**COR_DesAbort: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application.

155,6,8**COR_DesAbort: bad message**

Action: Examine the client application logs for corresponding errors. Applications typically report errors to a log or to the screen. The ISTK logs also contain errors, which can be found in /fnsf/logs/walyyym-mdd.

155,6,9**COR_DesAbort: bad transaction ID**

Action: Examine the client application logs for corresponding errors. Applications typically report errors to a log or to the screen. The ISTK logs also contain errors, which can be found in /fnsf/logs/wa-lyyyymmdd.

155,6,10**COR_DesAbort: wrong message type**

Action: Examine the client application logs for corresponding errors. Applications typically report errors to a log or to the screen. The ISTK logs also contain errors, which can be found in /fnsf/logs/wa-lyyyymmdd.

155,7,1**COR_DesCall: bad COR handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,7,6**COR_DesCall: bad COR Call**

Action: Examine the client application logs for corresponding errors.

155,7,7**COR_DesCall: program number or program version number in call does not match value in cor handle**

Action: Examine the client application logs for corresponding errors.

155,7,8**COR_DesCall: bad message**

Action: Examine the client application logs for corresponding errors. Applications typically report errors to a log or to the screen. The ISTK logs also contain errors, which can be found in /fnsw/logs/wa-lyyyymmdd.

155,7,10**COR_DesCall: wrong message type**

Action: Examine the client application logs for corresponding errors. Applications typically report errors to a log or to the screen. The ISTK logs also contain errors, which can be found in /fnsw/logs/wa-lyyyymmdd.

155,8,1**COR_DesChoice: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,8,4**COR_DesChoice: insufficient data**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,9,1**COR_DesLongWord: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,10,1**COR_DesMove: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,10,4**COR_DesMove: insufficient data**

Action: Contact IBM Software Support for assistance.

155,10,19**COR_DesMove: bad pointer**

Cause: COR_DesMove received a bad pointer.

Action: Contact IBM Software Support for assistance.

155,11,1**COR_DesReject: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The cli-

ent application should also be examined to verify that it handles this error type.

155,11,8 COR_DesReject: bad message

Action: Contact IBM Software Support for assistance.

155,11,9 COR_DesReject: bad transaction ID

Action: Contact IBM Software Support for assistance.

155,11,10 COR_DesReject: wrong message type

Action: Contact IBM Software Support for assistance.

155,12,1 COR_DesReturn: bad cor handle

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,12,4 COR_DesReturn: insufficient data

Action: If this error persists, contact IBM Software Support for assistance.

- 155,12,8** **COR_DesReturn: bad message**
- Action:** If this error persists, contact IBM Software Support for assistance.
- 155,12,9** **COR_DesReturn: bad transaction ID**
- Action:** If this error persists, contact IBM Software Support for assistance.
- 155,12,10** **COR_DesReturn: wrong message type**
- Action:** If this error persists, contact IBM Software Support for assistance.
- 155,14,1** **COR_DesWord: bad cor handle**
- Action:** No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.
- 155,16,1** **COR_IssueMsg: bad cor handle**
- Action:** No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

- 155,17,1** **COR_IssueMsg: bad cor handle**
Action: If this error persists, contact IBM Software Support for assistance.
- 155,18,1** **COR_Listen: bad cor handle.**
Cause: An application error occurred and a Courier client passed an invalid Courier handle to a Courier function. Using virtual IP addresses instead of real ones can lead to this error.
Action: Contact IBM Software Support for assistance.
- 155,18,8** **Closed connection before an RPC was received. A client application opened a courier connection and closed it without making an Remote Procedure Call.**
Cause: A client application opened a courier connection and closed it without making an Remote Procedure Call.
Action: No action is typically required for this informational message. If this error persists, examine the application at the client IP address reported with this error.
- 155,18,22** **COR_Listen: cannot specify 2 -p options**
Cause: The COR_Listen supports only one -p option.
Action: Remove extra -p option and try again.
- 155,18,23** **COR_Listen: must specify either -pt or -px**
Cause: The COR_Listen option -p must be specified as '-pt'.

Action: If -p COR_Listen option is specified, it must be specified as '-pt'.

155,18,24**COR_Listen: usage information**

Cause: This is a warning message. The COR_listen option was launched with incorrect parameters.

Action: No action is required.

155,18,26**COR_Listen: setsockopt(SO_KEEPALIVE) failed**

Cause: The setsockopt(SO_KEEPALIVE) function failed in the COR_Listen process.

Action: Resolve the error returned from the setsockopt() function and try again.

155,18,27**COR_Listen: setsockopt(SO_NODELAY) failed**

Cause: The setsockopt(TCP_NODELAY) function failed in the COR_Listen process.

Action: Resolve the error returned from the setsockopt() function and try again.

155,18,100**COR_Listen: failed to change its directory**

Action: Check the directory permission on /fnsf/local/tmp.

- 155,18,104** **COR_Listen: accept failed**
Action: Resolve the error returned from the accept() function and try again.
- 155,18,105** **COR_Listen: listen failed**
Action: Resolve the error returned from the listen() function and try again.
- 155,18,106** **COR_Listen: open failed**
Cause: The getaddrinfo() or socket() functions failed in the COR_Listen process.
Action: Resolve the error returned from the getaddrinfo() or socket() functions and try again.
- 155,18,107** **COR_Listen: bind failed**
Cause: Cannot bind to specified socket. There could be another listener running at the same socket.
Action: If this error persists, contact IBM Software Support for assistance.
- 155,18,110** **Failed to read /fnsf/etc/serverConfig**
Action: Check for file permission on /fnsf/etc/serverConfig. If the problem persists, contact IBM Software Support for assistance.

- 155,18,117** **COR_Listen: fn_alloc_sem for loopback lock failed**
Cause: The fn_alloc_sem() function for loopback_lock failed in COR_Listen.
Action: If this error persists, contact IBM Software Support for assistance.
- 155,18,118** **COR_Listen: got data on close**
Cause: Internal data structure error in COR_Listen.
Action: If this error persists, contact IBM Software Support for assistance.
- 155,18,119** **Connection queue is full in COR_Listen.**
Cause: Connection queue is full. Additional connections cannot be accepted.
Action: If this error persists, contact IBM Software Support for assistance.
- 155,18,120** **COR_Listen: get unexpected SIGPIPE.**
Cause: A network or application error occurred. An attempt to use a connection caused a SIGPIPE signal because the connection had been closed. The connection could have been closed due to network problems or an application error.
Action: Inspect, test, and monitor the network for errors. If the problems persist, contact IBM Software Support for assistance.

- 155,18,123** **COR_Listen: getsockname failed**
Action: Resolve the error code returned from the getsockname() function and try again.
- 155,18,124** **COR_Listen: getservbyname failed.**
Cause: A configuration error occurred. The /etc/services file must contain the cor entry.
Action: Add the cor entry to the services file as documented in the installation procedures.
- 155,18,125** **COR_Listen: setsockopt(REUSE_ADDR) failed**
Cause: The setsockopt(REUSE_ADDR) function failed in the COR_Listen process.
Action: Resolve the error code returned from the setsockopt() function and try again.
- 155,18,126** **COR_Listen: bind failed**
Cause: Cannot bind to COR_Listen TCP port 32769.
Action: Resolve the error code returned from the bind() function and try again.
- 155,18,209** **COR_Listen: COR_CrAprConn failed**
Cause: The internal function COR_StrCrAprConn() failed.

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,18,215**COR_Listen process cannot create thread.**

Action: Allocate additional operating system thread resources and memory if needed and restart the FileNet Image Services software.

155,18,221**getpeername() failed in COR_Listen process.**

Action: Resolve the error code returned from getpeername() and try again.

155,18,222**select() failed in COR_Listen process.**

Action: Resolve the error code returned from the select() function and try again.

155,19,2**Internal cor_GetTableEntry() has failed.**

Cause: The getgloarea() function might have failed in the cor_GetTableEntry() function.

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,19,3**COR_Open: not enough memory for buffer**

Cause: A network or application error occurred and a Courier message was truncated due to a networking problem or an application error.

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,19,219**This is a warning message: setsockopt() failed in COR_Open().**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,20,1**COR_ReceiveMsg: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application. This forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,20,4**COR_ReceiveMsg: insufficient data**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,20,11	COR_ReceiveMsg: bad version number Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.
155,20,100	COR_ReceiveMsg: unexpectedly receive a call message Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.
155,20,101	COR_ReceiveMsg: unexpectedly receive a reject message Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.
155,20,102	COR_ReceiveMsg: unexpectedly receive a return message Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.
155,20,103	COR_ReceiveMsg: unexpectedly receive a abort message Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,21,1**COR_SerAbort: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,21,5**COR_SerAbort: buffer overflow**

Action: Contact IBM Software Support for assistance.

155,22,1**COR_SerCall: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,22,5**COR_SerCall: buffer overflow**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,23,1**COR_SerCoice: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The cli-

ent application should also be examined to verify that it handles this error type.

155,24,1**COR_SerLongWord: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,24,5**COR_SerLongWord: buffer overflow**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,25,1**COR_SerReject: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,25,5**COR_SerReject: buffer overflow**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,26,1**COR_SerReturn: bad cor handle**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,26,5**COR_SerReturn: buffer overflow**

Action: Contact IBM Software Support for assistance.

155,27,1**COR_SerSequence: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,28,1**COR_SerStruct: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,29,1**COR_SerString: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The cli-

ent application should also be examined to verify that it handles this error type.

155,30,1**COR_SerWord: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,30,5**COR_SerWord: buffer overflow**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,31,4**COR_Deserialize: insufficient data**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,31,5**COR_Deserialize: buffer overflow**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,33,1**COR_BulkDataAbort: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,33,12**COR_BulkDataAbort: no bulk data connection exists**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,33,205**COR_BulkDataAbort: unsupported bulk data mode**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,34,1**COR_BulkDataGet: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,34,10

COR_BulkDataGet: wrong message type

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,34,11

COR_BulkDataGet: bad version number

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,34,13

COR_BulkDataGet: data is truncated.

Cause: A network or application error occurred and a Courier message was truncated due to a networking problem or an application error.

Action: Inspect, test, and monitor the network for errors. If errors persist, contact IBM Software Support for assistance.

155,34,14

COR_BulkDataGet: end of message

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,34,15

COR_BulkDataGet: abort message received

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,34,16**COR_BulkDataGet: reject message received**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,35,1**COR_BulkDataPut: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,35,11**COR_BulkDataPut: bad version number**

Action: Check if a new FileNet Image Services module has been installed. If this error persists, contact IBM Software Support for assistance.

155,35,16**COR_BulkDataPut: reject message received**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,35,17**COR_BulkDataPut: abort packet received**

Action: The FileNet Image Services software handles this type of error. However, if this error persists, contact IBM Software Support for assistance.

155,36,1**COR_Flush: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,37,1**COR_GetServerID: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,40,1**COR_RcvMsgTimeout: bad cor handle**

Action: No action is required because the client application retries with a new handle. If the error persists, stop and restart the client application, which forces the application to obtain a new handle. The client application should also be examined to verify that it handles this error type.

155,40,4**COR_RcvMsgTimeout: insufficient data**

Action: Contact IBM Software Support for assistance.

155,40,11**COR_RcvMsgTimeout: bad version number**

Action: Contact IBM Software Support for assistance.

- 155,40,18** **COR_RcvMsgTimeOut: timer expired before message arrives**
Action: Contact IBM Software Support for assistance.
- 155,40,207** **COR_RcvMsgTimeOut: select failed**
Action: A network error has occurred. If the problem persists, contact IBM Software Support for assistance.
- 155,41,20** **COR_Init: Bad command on file serverConfig**
Cause: Error parsing file /fnsw/local/sd/cor_config during initialization.
Action: Validate data in cor_config file.
- 155,41,216** **COR_Init: Abnormal Condition**
Action: Contact IBM Software Support for assistance.
- 155,41,218** **COR_Init: No such host**
Action: Contact IBM Software Support for assistance.
- 155,41,219** **COR abstract failed in LibMain() on Windows platform.**
Action: Contact IBM Software Support for assistance.

- 155,42,130** **COR_SetContext: this function must not be called for a client-side connection**
- Cause:** Client side application is calling the COR_SetContext() function.
- Action:** Contact IBM Software Support for assistance.
-
- 155,42,131** **COR_SetContext: the value of the context parameter is invalid**
- Cause:** The COR_SetContext() function received an invalid context parameter value. This is an internal COR problem.
- Action:** Contact IBM Software Support for assistance.
-
- 155,202,3** **COR_SerLongWords: not enough memory for buffer**
- Action:** Contact IBM Software Support for assistance.
-
- 155,209,3** **COR_PutPacket: not enough memory for buffer**
- Action:** Contact IBM Software Support for assistance.
-
- 155,209,215** **COR_PutPacket: system call failed.**
- Cause:** An application or configuration error occurred. A Windows Server system call returned an error, which should have been reported in the sys_log message. This is a very general error tuple.
- Action:** The response depends on the associated error message. Check the associated message to narrow the focus. Contact IBM Software Support for assistance.

- 155,209,217** **Connection terminated prematurely in cor_PutPacket(). The network connection terminated prematurely while the Image Services server was sending data to a client.**
- Action:** Examine the client station to find out if an application was closed or if the station was shutdown. Examine the network timeouts or errors.
- 155,210,3** **Address alias ring is corrupted in COR abstract.**
- Cause:** This is an internal COR error.
- Action:** This is an internal COR error. Contact IBM Software Support for assistance.
- 155,210,100** **The COR handle found in cor_GetTableEntry() is not in FREE state.**
- Cause:** This is an internal COR error.
- Action:** Contact IBM Software Support for assistance.
- 155,210,101** **COR_init: msem_init failed**
- Action:** Contact IBM Software Support for assistance.
- 155,210,102** **COR_init: cannot get interlock**
- Action:** Contact IBM Software Support for assistance.

155,210,103	COR_init: gethostid failed Action: Contact IBM Software Support for assistance.
155,210,104	COR_FunCrAprCon: break pipe failed Action: Contact IBM Software Support for assistance.
155,210,105	COR_Open: SPX_GS_DATASTREAM_TYPE ioctl failed Action: Contact IBM Software Support for assistance.
155,210,106	COR_FunBulkDataGet: unknown data stream type Action: A network error has occurred. If the problem persist, contact IBM Software Support for assistance.
155,210,107	cor_GetTableEntry: fatal error Action: Contact IBM Software Support for assistance.
155,210,108	cor_FreeTableEntry: fatal error Action: Contact IBM Software Support for assistance.
155,210,109	COR: cor_close got data; expected close reply Action: Contact IBM Software Support for assistance.

- 155,210,110** **cor_GetNetData: address is not a valid shared memory address**
Action: Contact IBM Software Support for assistance.
- 155,210,111** **COR: fn_alloc_sem for loopback lock failed**
Action: Contact IBM Software Support for assistance.
- 155,210,112** **COR_GetAddress: illegal protocol**
Cause: This is an internal COR error.
Action: Contact IBM Software Support for assistance.
- 155,210,212** **COR: TLI error**
Cause: An application or configuration error occurred creating this tuple every few seconds rapidly filling the disk. It's believed to be caused by an intermittent event on the network.
Action: Contact IBM Software Support for assistance.
- 155,210,215** **COR: A native system call has failed.**
Cause: COR encountered a failed system call and cannot continue.
Action: Resolve the error returned by the system call and try again. If the problem persists, contact IBM Software Support for assistance.

- 155,210,216** **The COR handle to be returned in cor_FreeTableEntry() is not owned by the original thread or process or the COR handle is already in the free list.**
- Cause:** This is an internal COR error.
- Action:** Contact IBM Software Support for assistance.
-
- 155,210,217** **COR: Connection abruptly closed by client**
- Cause:** Unexpected closed connection encountered during a bulk data transfer.
- Action:** Contact IBM Software Support for assistance.
-
- 155,210,219** **COR: Socket error**
- Cause:** The recv failed() function returned an error in cor_rcv().
- Action:** Resolve the error returned from the recv failed() function and try again. If the problem persists, contact IBM Software Support for assistance.
-
- 155,210,220** **COR: clean COR table**
- Action:** Contact IBM Software Support for assistance.
-
- 155,211,100** **pipe: socket failed**
- Action:** Contact IBM Software Support for assistance.

155,211,101	pipe: open operation failed Action: Contact IBM Software Support for assistance.
155,211,102	pipe: l_FDINSERT failed Action: Contact IBM Software Support for assistance.
155,211,103	pipe: pipe operation failed Action: Contact IBM Software Support for assistance.
155,211,104	pipe: bind operation failed Action: Contact IBM Software Support for assistance.
155,211,105	pipe: listen operation failed Action: Contact IBM Software Support for assistance.
155,211,106	pipe: close operation failed Action: Contact IBM Software Support for assistance.
155,211,107	pipe: fattach operation failed Action: Contact IBM Software Support for assistance.
155,211,108	pipe: chmod operation failed Action: Contact IBM Software Support for assistance.

155,211,109	pipe: fstat operation failed Action: Contact IBM Software Support for assistance.
155,211,110	pipe: unlink operation failed Action: Contact IBM Software Support for assistance.
155,211,111	pipe: accept operation failed Action: Contact IBM Software Support for assistance.
155,211,112	pipe: the connection failed Action: Contact IBM Software Support for assistance.
155,211,113	pipe: recmsg failed Action: Contact IBM Software Support for assistance.
155,211,114	pipe: I_RECVFD failed Action: Contact IBM Software Support for assistance.
155,211,115	pipe: pid dont match (pid does not match) Action: Contact IBM Software Support for assistance.
155,211,116	pipe: stream file does not exist Action: Contact IBM Software Support for assistance.

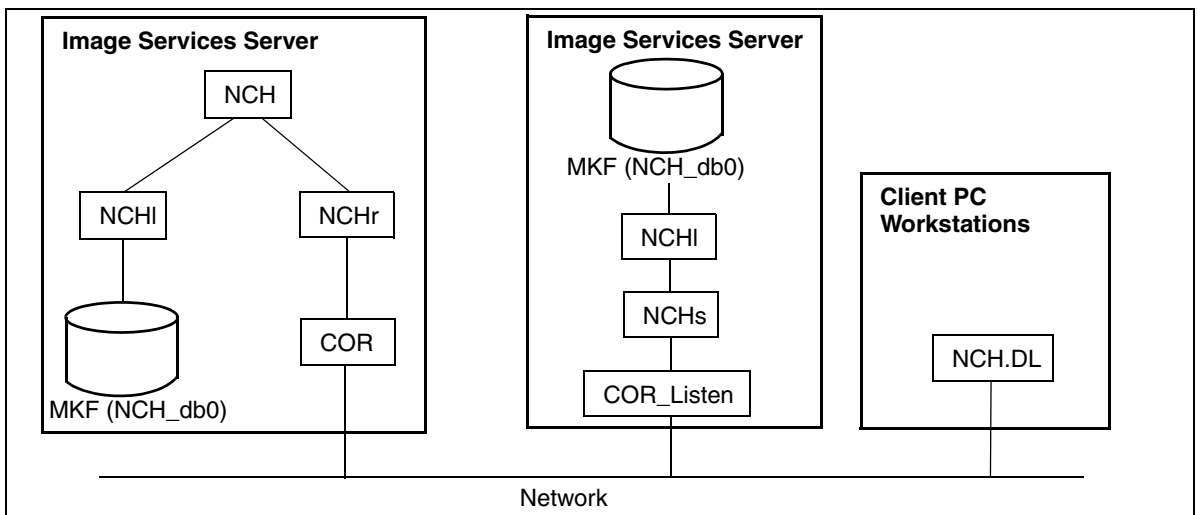
155,211,117	pipe: stream name does not match Action: Contact IBM Software Support for assistance.
155,211,118	pipe: not a valid pid Action: Contact IBM Software Support for assistance.
155,211,216	pipe: Abnormal Condition Action: Contact IBM Software Support for assistance.
155,212,0	COR: message reject because of invalid program number Action: Contact IBM Software Support for assistance.
155,212,1	COR: message reject because of invalid version number Action: Contact IBM Software Support for assistance.
155,212,2	COR: message reject because of invalid procedure number Action: Contact IBM Software Support for assistance.
155,212,3	COR: message reject because of bad arguments Action: Contact IBM Software Support for assistance.

- 155,212,4** **COR: message reject because of no available resource**
Action: Contact IBM Software Support for assistance.
- 155,212,128** **COR: message reject because of unspecified error**
Action: Contact IBM Software Support for assistance.
- 155,212,255** **COR: message reject because of unknown error**
Action: Contact IBM Software Support for assistance.

NCH (156) Messages

The Network Clearinghouse (NCH) shared library provides client and server access to network directory information including the names and addresses of Image Services services and resources.

Windows client workstation applications call the NCH.DLL shared library to remotely access the NCH directory service. The Image Services server resident applications call the NCH shared library to access the NCH directory service. NCH uses the NCHr shared library to access the directory service if the service is remote. If the service is local, NCH uses the NCHI shared library to access the Network Clearinghouse directory service database (UNIX: /fnsf/local/sd/NCH_db0, Windows Server: \fnsf_loc\sd\NCH_db0).



NCH Shared Library Diagram

This section has information about NCH error codes, which begin with “156.” Each entry has an error code, an error message, a possible cause, and an action.

156,0,0**Null or Bad parameters.**

Cause: An internal entry point received a null parameter.

Action: The system might not be configured correctly. Check configuration settings in `fn_edit`. If the problem persists, contact a system administrator.

156,0,1**Abstract link failed due to version mismatch.**

Cause: A version mismatch of NCH was encountered.

Action: Upgrade Image Services.

156,0,9**The specified address protocol is not supported.**

Cause: The `NCH_daemon` is using an invalid protocol.

Action: Configure a supported protocol for the `NCH_daemon`.

156,0,24**<NCH,0,24> A network related error was encountered.**

Cause: A network error occurred during data deserialization.

Action: Examine the Image Services elog and the operating system log for information about network errors. If the condition persists, contact a network administrator.

- 156,0,25** **An exceptional condition was encountered and logged.**
Cause: An unexpected internal NCH state has occurred.
Action: Contact a system administrator.
- 156,0,26** **Unable to locate a NCH server for the specified domain.**
Cause: This common NCH error can have the following possible causes:
- The Root NCH server is not running.
 - The NCH_daemon on the root server that serves the specified domain is not running or it has experienced a software error. Image Services logs NCH daemon errors.
 - The Image Services protocol is incorrectly configured. Ensure that the Image Services server and the workstations are running the correct NCH_daemon (TCP/IP). The workstations are set up for one protocol, but are running the NCH_daemon for another protocol.
 - An NCH server that supports the specified domain is not configured on the network or does not exist.
 - The remote systems are incorrectly configured. Ensure that the domain name is entered correctly.
 - A network failure occurred causing a hardware or software problem.
 - A network bridge, such as an 8209 bridge, is incorrectly set for 802.3 packets rather than Ethernet II packets. For example, the

8209 bridge DIP switch is set to ON for 802.3 packets and OFF for Ethernet. Image Services does not support raw 802.3 packets.

Action: Try one or more of the following actions to resolve this error:

- Ensure the Root (NCH) server is running.
- Ensure that the NCH_daemon is running. If the NCH_daemon is not running then use the Task Manager to restart the Image Services software.
- Check the NCH log file for errors with the NCH daemon. For TCP/IP workstations, see the log in /fns/spool/nchlog.pt.
- Use the nch_check program to test whether the NCH server is accessible from each Image Services server. The program indicates whether the NCH server for the default domain is accessible and checks the network addresses. The nch_check program also prints out the currently configured default domain name. Verify the domain name is correct. Use the System Configuration Editor to change the domain name, if necessary, and restart the software. See the System Configuration Editor online help.
- The workstation is configured for an incorrect protocol. Ensure that the workstation is configured with the correct NCH protocol (TCP/IP).
- Ask a co-worker or a network administrator if they are also experiencing network errors. Check for a local problem, such as a faulty cable.
- Check that 8209 bridge settings are correct. Set the DIP switch to OFF for 802.3 packets and ON for Ethernet. Image Services does not support 802.3 packets.

- 156,0,27** **The NCH database does not exist (OK during initialization).**
- Cause:** The local NCH database cannot be accessed.
- Action:** Check the NCH database file permissions. If the problem persists, contact a system administrator.
-
- 156,0,28** **NCH_daemon received a request containing an ill-formed domain name.**
- Cause:** The local NCH domain name has an incorrect format.
- Action:** Correct the NCH domain name in `fn_edit` then restart the Image Services server. If the problem persists, reinitialize the NCH database. If the problem continues to persist, contact a system administrator.
-
- 156,0,29** **Unable to lookup a network address for the specified name.**
- Cause:** The operating system `getaddrinfo()` call returned a zero network address.
- Action:** Check the DNS server and local hosts file configuration.
-
- 156,0,31** **User is not a member of the fnadmin group.**
- Cause:** The user trying to use the `nch_tool` is not in the `fnadmin` group.
- Action:** Add the user to the `fnadmin` group.

- 156,0,1002** **nch_string_to_addr error.**
Cause: An internal error occurred during a string to IP address conversion.
Action: Contact a system administrator.
- 156,0,1003** **addr_to_string error.**
Cause: An internal error occurred during a string to IP address conversion.
Action: Contact a system administrator.
- 156,1,1** **Operation prevented by access controls.**
Cause: The requested operation was denied by access control.
Action: If necessary, use access controls to grant permission to the user who was denied access during the requested operation.
- 156,1,2** **Server too busy to service this request.**
Cause: The requested server is too busy for this request.
Action: Retry the operation at a different time. If the problem persists, contact a system administrator.
- 156,1,3** **A required NCH server was found to be down.**
Cause: The root NCH server is not running.
Action: Start the root NCH server.

156,1,4**Courier must be used for this operation.**

Cause: The requested operation must use the courier protocol.

Action: Restart Image Services. If the problem persists, contact a system administrator.

156,1,5**Encountered an unsupported function or exception condition.**

Cause: An operating system error occurred.

Action: Check the elog for error information. If the problem persists, contact a system administrator.

156,2,10**Illegal Property Value.**

Cause: The property value was not accepted by the property type.

Action: Check the elog for information about the illegal property value and then specify a data value that is accepted by the property type.

156,2,11**<NCH,2,11> Syntax error in an organization field.**

Cause: Some illegal characters were found in the organization string.

Action: Remove or replace illegal characters in the organization string.

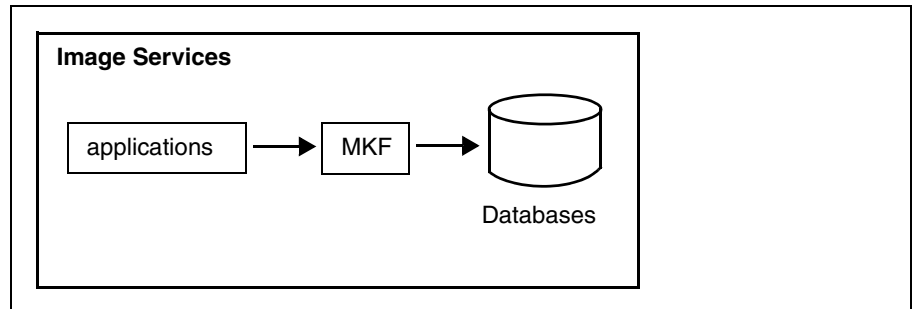
- 156,2,12 Syntax error in an domain field.**
Cause: Illegal characters were found in the object string.
Action: Remove or replace the illegal characters in the object string.
- 156,2,13 Syntax error in an object field.**
Cause: Illegal characters were found in the object string.
Action: Remove or replace the illegal characters in the object string.
- 156,2,14 The name's organization does not exist.**
Cause: The specified organization cannot be found.
Action: Specify a valid organization name.
- 156,2,15 The name's domain does not exist.**
Cause: The NCH_daemon performed a lookup and received a different domain.
Action: Correct the NCH domain name in fn_edit then restart the Image Services server. If this does not resolve the problem, reinitialize the NCH database. If the problem persists, contact a system administrator.

- 156,2,16** **<NCH,2,16>The name's object does not exist.**
Cause: The client tried to access an object that does not exist in the NCH database on the Image Services root server.
Action: Confirm that the NCH object is valid. Add the object by using fn_edit, the WorkFlo Queue, or the VW tool.
- 156,3,21** **The property was found to be of the wrong type.**
Cause: The property was found to be of the wrong type.
Action: Contact a system administrator.
- 156,4,30** **The operation would not change the database.**
Cause: The action could not be saved.
Action: Contact a system administrator.
- 156,4,31** **More recent information was found in the database.**
Cause: The client version of the software is incompatible with the server version.
Action: Contact a system administrator.

- 156,4,32** **The particular object would have too much data associated with it.**
- Cause:** The current requesting object has too much data associated with it.
- Action:** Remove some attributes from the object.
-
- 156,4,33** **The server's database is full.**
- Cause:** The server's database is currently full.
- Action:** Contact a system administrator.
-
- 156,5,0** **The server does not handle the specified domain.**
- Cause:** The server does not support the domain. Usually, another NCH error, such as <156,0,26>, displays before this error. This error can occur due to Image Services configuration errors if the address for a remote NCH server is incorrectly configured in which case NCH requests could be sent to a server that does not support the requested domain.
- Action:** Diagnose initially with `nch_check` using the `-d` command line option to specify the domain name. Verify that the correct NCH server address is being accessed. Correct the configuration information, if necessary.

MKF (161) Messages

The Multi-Keyed Files (MKF) shared library manages the transient database, the permanent database, the NCH database, and the security database.



MKF Shared Library Diagram

MKF shared library message tuples begin with 161. The following paragraphs provide information on selected tuples. Each description lists the tuple number, message text, possible causes, and recommended actions.

161,255,2**MKF: OS: file open error.**

Cause: The specified file does not exist or cannot be found. This message can result from an operator, configuration, or calling program error. This error typically occurs when a specified file should exist but does not, or when one of the directories in a path name does not exist.

Action: Ensure that you correctly enter the full path name of the base file of the MKF database (for example, /fnsf/dev/1/permanent_db0).

Ensure that the system is installed and configured correctly.

161,255,5**MKF: OS: file read or write error.**

Cause: A physical I/O error has occurred.

Action: Retry the operation. If the condition persists, contact your service representative.

161,255,6**MKF: OS: no such device or address. (Write off end of partition?)**

Cause: An I/O operation is requested for a file on a device which does not exist, or is beyond the physical limits of the device. This message could be issued, for example, when a tape or disk drive is off-line.

Action: Ensure that the device is defined correctly and is available, that is, on-line to the system. If the device is valid, and the condition persists, contact your service representative.

161,255,12**MKF: OS: out of main memory.**

Cause: The available system memory is exhausted and no further program memory requirements can be satisfied.

Action: Run fewer programs or increase the available memory in your system configuration.

161,255,13**MKF: OS: permission denied error.**

Cause: The current level of authorization does not permit the file access that was attempted.

Action: Use the command “chmod” or the set_permission script to set the correct permission level to perform the operation. Then retry the operation. If the condition persists, contact your System Administrator or your service representative.

161,255,22**MKF: OS: invalid argument error.**

Cause: An invalid argument was passed to MKF. An internal software error probably occurred.

Action: Contact your service representative.

161,255,23**MKF: OS: file table overflow.**

Cause: The system’s table of open files is full and no more requests to open a file can be accepted or processed.

Action: Retry the operation at a later time. If the condition persists, contact your service representative.

161,255,24**MKF: OS has too many open files.**

Cause: The maximum number of file descriptors open at one time per process has been exceeded.

Action: Contact your service representative.

161,255,27**MKF: OS: file too large.**

Cause: The maximum file size has been exceeded. The operating system does not support a file this large.

Action: Split the file into smaller sections or contact your service representative.

161,255,28**MKF: OS: no disk space left on write to file.**

Cause: Insufficient disk space is available to perform the write operation.

Action: Delete unnecessary files to reclaim disk space. Configure the system with more disk space allocated to the affected file system. Contact your service representative for assistance.

161,255,1001**MKF: Calling program passed interface level in the future...**

Cause: Calling program passed interface level in the future relative to the MKF data shared library currently installed, or an MKF interface level that is otherwise invalid. This version of the MKF shared library is incompatible with the program that is trying to link to it. This problem is typically the result of either an incomplete software installation, or a problem that occurred during an update of a single module in the system. System is unusable until problem is corrected.

Action: Use the stamp tool to determine the current version of the MKF shared library. Reconstruct the shared library file by restoring your FileNet Release partition. Load compatible versions of all applications using MKF as well as the entire MKF shared library. If the problem persists, contact your service representative.

161,255,1002**MKF: The row requested was not found.**

Cause: An application needs a row that is not in the database. That could mean that one or more databases are out of sync due to a restore or for some other reason. An internal software error could have occurred or the databases are no longer synchronized. The shared library involved will probably not be able to continue until the problem is corrected.

Action: Contact your service representative.

- 161,255,1038 MKF: File names passed to MKF_open must be full path names.**
- Cause:** The specified base file name of the MKF target database did not start with a / (slash) character. On UNIX platforms, file names must start with slash (/). On Windows Server platforms, file names must start with a drive letter followed by a colon followed by a \ (backslash) character.
- Action:** Specify the full path name of the base file name of the MKF target database, starting with a slash (/). For example, /fnswh/dev/1/permanent_db0 is a valid base file name.
-
- 161,255,1040 MKF: An operation was attempted on an MKF database before the database was initialized.**
- Cause:** The database has not been initialized.
- Action:** Load a backup or initialize the database.
-
- 161,255,1041 MKF: The MKF database is shut down.**
- Cause:** An operation (such as MKF_import) that requires the database to be up (that is, not shut down) determined that the database is shut down.
- Action:** Ensure that the database is started and retry the operation.

161,255,1042**MKF: The database is in a state unknown to MKF.**

Cause: The operation attempted cannot be performed because the database is not in the required state. This message might be issued, for example, if you tried to run the MKF_zeroaij utility without shutting down the database. Legal database states are normal (that is, the database is up and running), shut down, in recovery, or not completely initialized.

Action: Ensure that the database is in the appropriate state for the operation being attempted. For example, MKF_import requires that the database be up (that is, not shut down) and MKF_zeroaij requires that the database be shut down. Run the appropriate utility or command to put the database in the proper state and retry the operation. Check for possible corruption, a configuration error, or the operation is not accessing a database file or partition.

161,255,1045**MKF: Less than the requested number of bytes was returned by read.**

Cause: One of several causes could be responsible for this message: a database configuration error, database corruption, or an internal software error.

Action: Contact your service representative.

161,255,1046**MKF: Less than the requested number of bytes written by write().**

Cause: One of several causes could be responsible for this message: a database configuration error, database corruption, an internal software error, or the target disk could be out of space.

Action: Contact your service representative.

161,255,1060**MKF: End of file encountered.**

Cause: This is an MKF internal error. Partition contains less space than required. The MKF database partition size is not configured correctly. One of several causes could be responsible for this message: a database configuration error, database corruption, or an internal software error.

Action: Use the System Configuration Editor to correct the problem. See the System Configuration Tools online help. If the problem persists, contact your service representative.

161,255,1063**MKF: Cannot initialize database in its current state.**

Cause: The current state of the database is not compatible with an attempt to initialize the database. The database you are attempting to initialize could either be up and running, or in the process of being saved or restored.

Action: If the database is in the process of being saved or restored, wait until that operation completes, then retry the initialization. Otherwise, shut down the database and retry the initialization.

161,255,1071**MKF: Illegal database state transition.**

Cause: The following are possible causes for this message:

- A backup operation could have been interrupted.
- A restore operation could have been interrupted.
- A file could be missing, data could be corrupted, or an internal software error could have occurred.

Action: Determine the circumstances under which the message was issued and take the appropriate action below:

- If a backup operation was interrupted, re-run the backup.
- If a restart operation was interrupted, retry the restart. If the condition persists, notify your service representative for assistance.
- If you suspect a missing file, corrupted data, or other abnormal condition, notify your service representative for assistance.

161,255,1075**MKF: No more space in the database data files/partitions.**

Cause: Available space has been exhausted (too many rows inserted).

Action: Examine the Event Log for related messages. Use the System Configuration Editor to allocate more space to your database or delete some rows, if necessary.

161,255,1147**MKF: Error writing to recovery log.**

Cause: An I/O error has occurred during a write operation to the after-image journal file (disk crash or other hardware error).

Action: Shut down the FileNet software immediately and contact your service representative.

161,255,1148**MKF: First block of recovery log does not splice in...**

Cause: First block of recovery log does not splice in, but dbmodifi1 in database control block. Recovery log data is required to recover the integrity of the database. The database cannot be used. Hardware error (head crash) could have occurred on recovery log disk

Action: Load a backup and contact your service representative. Probably, the database will have to be restored from a backup tape, and the database will not roll forward to the last transaction. The database will be out of sync with the other databases and the optical disks.

161,255,1163**MKF: Control block level unknown to current version of MKF.**

Cause: MKF detected a mismatch between the software version and the database data version.

Action: Contact your service representative.

- 161,255,1178** **MKF: Data disk read problem, and retry limit exceeded.**
Cause: A hardware (physical I/O) error occurred, and MKF retried the I/O operation until the retry limit was exceeded. The read operation terminates.
Action: Contact your service representative.
- 161,255,1179** **MKF: Recovery log disk read problem, and retry limit exceeded.**
Cause: A hardware (physical I/O) error occurred, and MKF retried the I/O operation until the retry limit was exceeded. The read operation terminates.
Action: Contact your service representative.
- 161,255,1180** **MKF: Before image journal disk read errors, retry limit exceeded.**
Cause: A physical I/O error occurred, and MKF retried the I/O operation until the retry limit was exceeded. The read operation terminates.
Action: Contact your service representative.
- 161,255,1184** **MKF: Intermittent disk read problem. Retry succeeded.**
Cause: A physical I/O error occurred, and the retry was successful.
Action: This is an informational message. A response is not necessary. However, you should notify your service representative as soon as possible to investigate the cause of the I/O error.

- 161,255,1198** **MKF: Developer forced a dump by using a debugger.**
Cause: This is an informational message issued during a manual debugging activity.
Action: Additional action is unnecessary.
- 161,255,1213** **MKF: This error has an associated error log message...**
Cause: This error has an associated Event Log message that identifies the good data on a read-after-write error retry sequence. This is an informational message issued as part of I/O error retry.
Action: Additional action is unnecessary.
- 161,255,1214** **MKF: This error has an associated error log message...**
Cause: This error has an associated Event Log message that identifies the bad data on a read-after-write error retry sequence. This is an informational message issued as part of I/O error retry.
Action: Additional action is unnecessary.
- 161,255,1215** **MKF: Retries exceeded for read-after-write.**
Cause: A physical I/O error occurred.
Action: Contact your service representative.

161,255,1216 MKF: Read-after-write retry succeeded.

Cause: A physical I/O error occurred.

Action: Contact your service representative.

161,255,1217 MKF: Before images needed for crash recovery...

Cause: Before images needed for crash recovery, but there are no valid before images in the before image journal. Indicates a hardware failure on the disk containing the before-image journal.

Action: If the disk on which the before-image journal resides has crashed, load a backup copy of the database and contact your service representative.

161,255,1228 MKF_import: bad input block size.

Cause: The data is corrupted or an internal software error occurred.

Action: Contact your service representative.

161,255,1229 MKF: MKF_import: bad input data format level.

Cause: MKF has detected a mismatch between the software level and the data level.

Action: Contact your service representative.

161,255,1232**MKF_import: error reading restart file.**

Cause: On a restart of the MKF_import utility, MKF_import is unable to read the specified restart file.

Action: Ensure that you are specifying the restart file name that you specified on the first execution of MKF_import. On a restart of MKF_import, you must use exactly the same restart file name that you used originally to start MKF_import.

161,255,1233**MKF_import: error writing restart file.**

Cause: The MKF_import utility is unable to write restart information to the specified restart file. The following are possible causes for this message:

- File system full
- Disk I/O error
- MKF_import internal error

Action: Contact your service representative.

161,255,1234**MKF_import: error creating restart file.**

Cause: The MKF_import utility is unable to create the restart file. The following are possible causes for this message:

- Command line parameter error
- Directory missing
- File permissions error
- Disk I/O error

Action: Contact your service representative.

161,255,1238**MKF_import: syntax error in ASCII file of database description modifications.**

Cause: MKF_import has detected a syntax error in the user modifications input file.

Action: Examine the messages in the Event Log to locate the line number in the modifications file that is in error. Correct the syntax error and retry the operation.

161,255,1242**MKF: Attempt to start up more than one background cleanup process.**

Cause: An attempt to start MKF_cleanup failed because a background cleanup daemon is already active. Only one active background cleanup daemon at a time is allowed.

Action: This is an informational message only, additional action is unnecessary. If your database is hung, you can use MKF_debug to determine which processes are logged into the kernel and which, if any, of these processes are dead.

161,255,1243**MKF: MKF disk file or partition is not local to the current host.**

Cause: This could be the result of a configuration error or the result of running MKF_tool on a server not local to the database. MKF must operate locally on the station where the database resides. The file specified is not local, and the operation cannot be performed.

Action: Notify your service representative for assistance. If you are running MKF_tool, run the tool on the server that is local to the database.

161,255,1311**MBM: bad interface level on abst_link.**

Cause: Incompatible software versions are loaded (probably a newer version of MKF and an older version of MBM).

Action: Load compatible versions of software and retry the operation.

161,255,1314**MKF: online backup: bad interface level.**

Cause: Incompatible software versions of MKF and the backup software are loaded.

Action: Load compatible versions of software and retry the operation.

161,255,1323**MKF: restore online backup: database state bug.**

Cause: An internal software error has occurred during the restore of an online backup.

Action: Contact your service representative.

161,255,1325**MKF: Attempt to run MKF_ddl or a restore after the database has been opened normally.**

Cause: This is probably an operator error. The database was not shut down prior to attempting to run MKF_ddl -initialize. MKF_ddl can not be run after the database involved has been opened normally.

Action: Shut down the MKF databases using MKF_shutdown and initfns stop. If you are performing a backup, use initfns backup or init-backup. Then retry the operation. To perform a restore, set the FileNet software to the restore state.

161,255,1327**MKF: The recovery log has wrapped around.**

Cause: The aij (after-image journal) is too small. This can also occur if backups are performed too infrequently.

The database can no longer be rolled forward after a restore of the database. If this happens, processing is lost, and the database will be out of sync with the other databases and the optical disks. For some MKF databases, this indicates a serious error condition. For other MKF databases, you can ignore this warning. This error is only written to the FileNet Event Log as a warning. This error should be suppressed by a database global parameter in the ddl text for the transient database and the clearinghouse database, but not for the permanent database or the security database.

Action: Increase the size of the aij and perform backups more often.

161,255,1334**MKF: After a restore, the recovery log spliced in.**

Cause: The database is rolled forward. Processing is not lost. This is an informational message sent to the Event Log. This message indicates that the database rolled forward after the restore. This implies that the database is in sync with the other databases and the optical disks

Action: This is an informational message, additional action is unnecessary.

- 161,255,1335** **MKF: After a restore, the recovery log did not splice in.**
- Cause:** This is an informational message sent to the Event Log. This message indicates that the database did NOT roll forward after the restore. This implies processing has been lost, and that the database is out of sync with the other databases and the optical disks
- Action:** This is an informational message, additional action is unnecessary.
-
- 161,255,2003** **MKF_fixup: too many tables. Recompile with larger MAXRECTYPES val.**
- Cause:** Maximum number of record types for the database has been exceeded.
- Action:** Use the System Configuration Editor or MKF_ddl –update tool to increase the maximum record types allowed for the database.
-
- 161,255,2012** **MKF_fixup: insufficient scratch disk.**
- Cause:** The sort phase of MKF_fixup requires additional scratch disk space. MKF_fixup terminates.
- Action:** Use MKF_tool to estimate the minimum amount of scratch disk space that is required to complete the sort phase of MKF_fixup. Allocate at least this minimum amount of scratch disk space, then re-run MKF_fixup.

- 161,255,4002 MKF_zeroaij: out of local memory.**
Cause: An out-of-memory condition occurred.
Action: Run fewer programs.
- 161,255,4004 MKF_zeroaij: short write.**
Cause: Additional disk space is required.
Action: Contact your service representative.
- 161,255,5001 MKF_zeroaij: read error**
Cause: A disk read error occurred.
Action: Contact your service representative.
- 161,255,5002 MKF_zeroaij: out of local memory**
Cause: An out-of-memory condition occurred.
Action: Run fewer programs
- 161,255,5004 MKF_zeroaij: short write**
Cause: Either more disk space is required or an internal software error occurred.
Action: Contact your service representative.

161,255,6006**MKF_verify: end of file encountered.**

Cause: This message can indicate one of the following:

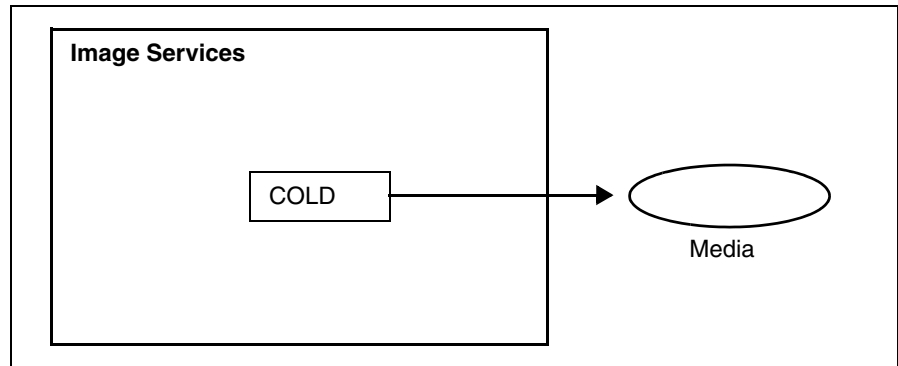
- MKF_verify internal error
- File system error
- Configuration error

Partition contains less space than required. The MKF database partition size is not configured correctly.

Action: Use the System Configuration Editor to correct the problem. See the System Configuration Editor online help.

COLD (169) Messages

The COLD programs manage the formatting of computer output to laser disk. COLD displays error messages encountered by other applications (such as Index or Document Services) during processing.



COLD Diagram

COLD error messages begin with 169. The following paragraphs provide information on selected error messages. Each entry has an error code, an error message, possible causes, and recommended actions.

169,1,1**Incorrect abstract link version for COLD.**

Cause: The COLD abstract version you are using is incompatible.

Action: Apply the current FileNet Image Services Fix Pack to ensure that all dependent modules are installed.

169,1,2**Job file does not exist.**

Action: Verify that you entered the correct name for the job file. Use the list in the Import or Preview window to obtain a list of available job files. Retry the operation with a correct job file name.

169,1,3**Invalid source name. Must be name of a tape service.**

Cause: The name you specified as the source of the data to be printed is not a valid tape service name. The source must be from tape. The configuration of the tape service in the Network Clearinghouse database might be incorrect.

Action: Verify that you specified the correct tape service name for the source of the data. Use the list in the Import Document or Preview window to obtain a list of available tape service names. Retry the operation with the correct tape service name. If the problem persists, contact your system administrator to check the configuration parameters of the tape service in the Configuration database (CDB). If necessary, use the System Configuration Editor to modify the Configuration database, and then restart the FileNet Image Services software.

169,1,4**enable_ui must be TRUE if job name or data source is null.**

Cause: The enable_ui option must be set to TRUE if the job name or data source is null.

Action: Verify that the enable_ui option is set to true if the job name or data source is null.

169,1,5**Source must be T (tape) or D (disk file).**

Cause: The source data must be either from tape (T) or magnetic disk (D).

Action: Users of the COLD program will not usually see this error since the source type is selected through the user interface. However, if you encounter this error, contact IBM Software Support for assistance.

169,1,6**Line length cannot be zero.**

Cause: The line length must be between 1 and 256 characters, including the channel control character, and all lines must contain the same number of characters.

Action: Specify a valid number of characters per line and retry the operation.

169,1,7**enable_ui must be TRUE if file_name is NULL and source is disk.**

Action: Verify that the enable_ui option is set to TRUE if the file name is NULL and source is disk.

169,1,8**Checkpoint file is invalid. The magic number is incorrect.**

Cause: You attempted to restart an import job that was prematurely terminated (that is, the import job was canceled or a system failure occurred). However, the checkpoint file associated with this job is no longer valid. The restart (checkpoint) file is too old or from a previous software release.

Action: Remove the checkpoint file located in the /fnsf/local/logs/cold directory or if you believe the restart file is current, contact IBM Software Support for assistance.

169,1,9**Log file is invalid. The magic number is incorrect.**

Cause: You attempted to view a log file that was created during import or preview; however, the log file is no longer valid. The log file could be too old or from a previous software release.

Action: If you believe the log file is current, contact IBM Software Support for assistance.

169,1,10**Cannot find COLD report name after reading maximum no. of rows.**

Cause: The first page of each document must contain a literal defining its report format. The literal for the specified report name (ID) could not be found in the data. The report cannot be formatted.

Action: Check the Description field of the Define Report Format window for correct definitions of the report ID literal. Note that the location (line number) of the literal must come from the output page after the channel control characters have been expanded. See the “Using Cold” chapter of your *COLD Handbook*. To download IBM FileNet documentation from the IBM support page, see [**“Accessing IBM FileNet documentation” on page 124.**](#)

169,1,11**Non-fatal error(s) occurred. Check remainder of log file.**

Cause: Errors have occurred that did not cause COLD to terminate, but should be examined. Examples of these errors are:

- COLD was unable to convert extracted indexing data to a date format.
- COLD was unable to convert extracted indexing data to a numeric format.

Action: Examine the import log file by selecting View Import Log from the COLD main menu.

169,1,12**Invalid character in column one of line or wrong character translation selection check system log file.**

Cause: The channel control character is the first character in each line of data, but this line of data does not contain a valid channel control character as the first character. The channel control codes in the selected (or default) channel control file could be incompatible with the channel control codes in the data file. Another possible cause is an invalid line length in your job definition. An invalid line length will cause COLD to pick up an incorrect channel control character for the next line of data.

Action: Verify that the channel control character in the data file is compatible with the channel control code file you selected in the “Channel control file name” box of the Define Import Job window, and verify that the line length is correct. Retry the operation with a correct channel control file. If the problem persists, contact IBM Software Support for assistance.

169,1,13**COLD verification mode must be run on a display terminal.**

Cause: You attempted to use the Preview Document function from a terminal that cannot display images. An image display terminal is required to preview documents.

Action: Retry the operation from a image display terminal.

169,1,14**Character set must be A (ASCII) or E (EBCDIC).**

Cause: You did not specify a valid character set. Disk data and tape data can be either A (for ASCII) data or E (for EBCDIC) data.

Action: Retry the operation specifying the correct data format of your input data (ASCII or EBCDIC).

169,1,15**Channel control spacing passes the lines per page.**

Cause: The number of spaces between lines as defined in the channel control character will exceed the available lines per page. The operation terminates.

Action: You can either decrease the line spacing value in the “Spacing” box of the Add/Modify Channel Control window, or increase the number of lines allowed per page in the Report Format.

169,1,16**Channel control vertical tab, wrong line on output page.**

Cause: The number of spaces between lines as defined in the channel control file will exceed the available lines per page. The operation terminates.

Action: You can either decrease the value in the “Vertical tab” box of the Add/Modify Channel Control window, or increase the number of lines allowed per page in the Report Format.

169,1,17**Channel control vertical tab passes the line per page.**

Cause: You entered a vertical tab line number that would place the data beyond the allowable lines per page. The operation terminates.

Action: Re-enter the vertical tab line number in the Add/Modify Channel Control window, using a line number between 1 and the maximum line number allowed for the page.

169,1,18**Conversion from OLD type to INX type not supported.**

Cause: COLD failed to convert a COLD index type (numeric, string, date) to a FileNet internal data type. This is an internal software error.

Action: Examine the Event Log for related messages. If the error persists, contact IBM Software Support for assistance.

169,1,19**Doc has too many pages (> 1000).**

Cause: The document contains more than the maximum 1000 pages per document. This message could also indicate that COLD cannot find the end of the document (after 1000 pages) in variable page documents.

Action: Check the report format for the Start-of-Document indicators. Reduce the number of pages per document.

169,1,20**No. of pages in the current batch exceeds 2000.**

Cause: The current batch contains more than the maximum 2000 pages per batch. This message could also indicate that COLD cannot find the end of the document. The batch committal terminates.

Action: Check the report format for the Start-of-Document indicators. If the indicators are correct, contact IBM Software Support for assistance.

169,1,21**Attempt to write to a batch that is full.**

Cause: The batch size is not large enough to hold all your documents. This is probably caused by an internal software error.

Action: Check the report format. If you cannot resolve the error, contact IBM Software Support for assistance.

169,1,22**The environment DISPLAY must be set to use X-window.**

Cause: Before you can use the X Windows user interface, you must set the environment variable DISPLAY. The variable has not yet been set, and the operation terminates.

Action: Set the DISPLAY environment variable by entering the following command for your command shell.

Korn shell	export DISPLAY=<home>:0
C-shell	setenv DISPLAY <home>:0

where <home> is the name of the system or IP address of the computer to receive output (display) data.

169,1,23**The major version of the report format has been changed.**

Cause: This is not an error, but a warning message. The version of an existing report format has been changed. This usually happens after a software upgrade.

Action: Use the COLD user interface to check for addition of new fields and to make changes in the default values, if desired. After making any necessary changes, save the file again. COLD automatically updates your version number and this message does not display again.

169,1,24**The magic number of this file has been changed.**

Cause: The file is corrupted.

Action: Restore a good copy of this file from your backup.

169,1,25**The specified print text width beginning at the starting column exceeds the line length.**

Cause: The print text width defined in the report format is too large. For example, this message would be issued in the following situation:

- The line length is defined as 80 characters.
- The starting output column is column 5 and the text width is 83.
- Column 1 is the channel control character, plus 3 blank characters because the starting column is 5. Add 83 characters to the starting column value for a total of 87 characters (7 more than defined).

Action: Reduce the print text width to the starting column value + print text width – 1 \leq line length.

169,1,26**Required index can't be null nor empty.**

Action: Provide a valid index value. The COLD job will still process but the required index will be null.

169,1,27**Document class definition has changed since this report format was built. You need to rebuild the document class.**

Action: You need to rebuild the document class. To rebuild the document class select the document class in the COLD report format. The document class indexes are repopulated with the current indexes assigned to the document class.

169,1,28**Indexes have been added to and deleted from the document class of this report format since it was last saved. You MUST define the indexing information for the new indexes.**

Action: You need to rebuild the document class. To rebuild the document class, select the document class in the COLD report format. The document class indexes are repopulated with the current indexes assigned to the document class.

169,1,29**New indexes have been added to the document class of this report format since it was last saved. You MUST define the indexing information for this new index.**

Action: You need to rebuild the document class. To rebuild the document class, select the document class in the COLD report format. The document class indexes are repopulated with the current indexes assigned to the document class.

- 169,1,30** **Indexes have been deleted from the document class of this report format since it was last saved. You SHOULD resave your report format.**
- Action:** You need to rebuild the document class. To rebuild the document class, select the document class in the COLD report format. The document class indexes are repopulated with the current indexes assigned to the document class.
- 169,1,31** **The number of indexes in the document class of the report format exceeds the maximum allowable value.**
- Action:** Reduce the number of indexes to be less than or equal to the maximum allowable value.
- 169,1,32** **Can't find eol string in this data file.**
- Action:** The data file provided is invalid.
- 169,1,33** **Can't find menu item in menu, use the first menu item as default.**
- Action:** Use the first menu item as default
- 169,1,34** **Keyword not found.**
- Action:** The keyword specified in the COLD format file is not contained in the COLD data file. Provide a valid keyword.
- 169,1,35** **Keyword index value not found.**
- Action:** Must provide a valid keyword index for this operation.

- 169,1,36** **COLD: Unable to find document class index.**
Cause: The specified document class index was not found.
Action: Specify a valid document class for this operation in the COLD format file.
- 169,1,37** **Xcold_menu: Failed to link abstract in Xcold_menu.**
Action: Verify that all executable files are from the same release.
- 169,1,38** **Xcold_menu: Failed to abstract link to ERM.**
Action: Verify that all executable files are from the same release.
- 169,1,39** **Xcold_menu: Failed to abstract link to SEC**
Action: Verify that all executable files are from the same release.
- 169,1,40** **Xcold_menu: Unable to create default channel control file.**
Action: Verify that the file and directory permissions are valid in the /fnsw/local/cold directory structure. Retry the operation. If the problem persists, contact IBM Software Support for assistance.
- 169,1,41** **Xcold_menu: Fork and/or exec of child failed.**
Action: This is an internal error. Contact IBM Software Support for assistance.

- 169,1,42** **COLD: Invalid index type**
- Action:** The current operation has encountered an invalid index type. Retry the operation. If the problem persists, contact IBM Software Support for assistance.
- 169,1,43** **COLD: Invalid function**
- Action:** This is an internal error. Contact IBM Software Support for assistance.
- 169,1,44** **COLD: Page cache is not large enough for data file.
COLD 2 is retrying.**
- Action:** Provide a larger page cache size. Increase the minimum percentage allocated to page cache or add an additional cache partition.
- 169,1,45** **COLD: Unable to create document batch of requested
size. Please check cache status.**
- Action:** Provide a larger page cache size. Increase the minimum percentage allocated to page cache or add an additional cache partition.
- 169,1,46** **Unable to create log file**
- Action:** Verify that the file and directory permissions are valid in the /fnsw/local/logs/cold directory. Retry the operation. If the problem persists, contact IBM Software Support for assistance.

- 169,1,47** **COLD: old_show_page: bad page type**
- Action:** The current operation has encountered an invalid page type. It is possible that the COLD data file is corrupted. Retry the operation. If the problem persists, contact IBM Software Support for assistance.
- 169,1,48** **COLD: line length is not equal to tape record size**
- Action:** Line length must be equal to tape record size for this operation.
- 169,1,49** **COLD: Error in old_read_rpt_file. Read template**
- Cause:** Encountered 'Read template' error in old_read_rpt_file.
- Action:** The current operation has encountered a 'read template' error. Verify that the COLD template file exists and the document ID is valid. Retry the operation. If the problem persists, contact IBM Software Support for assistance.
- 169,1,50** **COLD: Error in old_read_rpt_file. First while loop**
- Action:** The current operation has encountered an error in the first while loop. Retry the operation. If the problem persists, contact IBM Software Support for assistance.
- 169,1,51** **COLD: Error in old_read_rpt_file. Second while loop**
- Action:** The current operation has encountered an error in the second while loop. It is possible that the COLD data file is corrupted. Retry the operation. If the problem persists, contact IBM Software Support for assistance.

- 169,1,52** **COLD: Error in old_get_value**
Action: This is an internal error. Contact IBM Software Support for assistance.
- 169,1,53** **COLD: Expected keyword cannot be found in the template file.**
Action: Provide a keyword that can be found in the template file.
- 169,1,54** **COLD: Number of document class exceeded the maximum**
Action: No action is needed.
- 169,1,55** **Page is incomplete, can't find the next sod_string. It is possible that the report format was incorrectly defined.**
Action: The report format was incorrectly defined or the COLD data file is missing the start of document string.
- 169,1,56** **COLD: old_process_page: unexpected page type.**
Action: This is an internal error. Contact IBM Software Support for assistance.
- 169,1,57** **COLD: old_build_toc_page: unexpected toc page type**
Action: This is an internal error. Contact IBM Software Support for assistance.

169,1,58	<p>COLD: Unable to find document class index</p> <p>Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.</p>
169,1,59	<p>The new image width after template alignment is not mod 16.</p> <p>Action: This is an internal error. Contact IBM Software Support for assistance.</p>
169,1,60	<p>The template alignment changes has been cancelled by the user.</p> <p>Action: No action is needed.</p>
169,1,61	<p>COLD: Unable to find the error record keywords in the log file.</p> <p>Action: Verify that your log file is valid.</p>
169,1,62	<p>COLD: The document specified in the template is not of type image.</p> <p>Action: The specified document ID in the COLD template file must be changed to type image.</p>
169,1,63	<p>COLD: The media that contains the document is not in the library.</p> <p>Action: The selected media, which contains the background template document must be in the library for the current operation.</p>

- 169,1,64** **Scalable font is not installed.**
Action: A scalable font is required for the operation.
- 169,1,65** **After the import, the term_code is 0 but no documents have been committed. Check the import log for other errors and correct the problem. The datafile is linked as error file so that it is available for retry.**
Action: Check the import log for other errors and correct the problem. The datafile is linked as an error file so that it is available for retry.
- 169,1,66** **Cold preview was cancelled by the user. The media which has the template was not in the library.**
Action: No action is needed.
- 169,1,67** **Cold preview/import has accumulate processing errors, Please check the log file for errors.**
Action: Errors were logged during the processing of the COLD data file. Check the COLD import log for the errors.
- 169,1,68** **Insufficient data to complete the document: the index data in the document header is not the same with the index data in the report document format. Check the index page with the indices.**
Action: Verify the document class indexes settings defined in the COLD format file.

- 169,1,69** **No document has been committed: the pages per document in Define Report Format has to include the pages of TOC.**
- Action:** Rerun the Define Report Format program and correct the Table of Contents section.
-
- 169,1,70** **The requested file contains unexpected data.**
- Action:** Verify the contents of the COLD data file. Use COLD Preview to step through the pages until the error is reported. If the problem persists, contact IBM Software Support for assistance.
-
- 169,1,71** **Cannot use scalable font in Preview. Either the font.dir is missing or xset fails to add the font path.**
- Action:** Either the font.dir is missing or xset fails to add the font path.
-
- 169,1,72** **The date mask has 2 digit year but the century or threshold has not been defined. Run Define Report Format to set it up.**
- Action:** Correct the century or threshold setting for the date index in the COLD report format file.
-
- 169,1,73** **Preview Document in Japanese font is only supported on NT.**
- Action:** No action is needed.

- 169,1,74** **The LC_CTYPE is not appropriate for Japanese font family.**
Action: No action is needed.
- 169,1,75** **The index value length exceeds the current maximum.**
Action: The length of index must be less than or equal to the maximum value.
- 169,1,76** **There is no more space in the raw buffer to hold the input data. The input data will not be displayed in the preview input window. This may be caused by excessive number of input lines with ignore line channel control character.**
Action: This may be caused by excessive number of input lines containing the ignore line channel control character.
- 169,1,77** **Cannot get the locale decimal symbol.**
Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.
- 169,2,1** **Syntax error in command line. Run 'cold_3770 -h' to display the usage.**
Cause: You tried to manually start cold_3770 with a directory other than the default, but you did not include the `-d` parameter before the directory name. The correct syntax is:

 `nohup cold_3770 [-d <dirname>] &`

The nohup command detaches the daemon process from your terminal, thereby eliminating program blocks.

Action: Run the cold_3770 command with the proper syntax. Refer to the COLD Handbook for assistance.

169,2,2**Usage: cold_3770 [-d <dirname>]**

Cause: Incorrect syntax.

Action: Run the cold_3770 command with the proper syntax. Refer to the COLD Handbook for assistance.

169,2,3**cold_3770: error opening directory.**

Cause: The cold_3770 program encountered an error when trying to open a directory. If you started cold_3770 from the command line, you could have specified an incorrect directory name. Directory name is optional, and if not specified, cold_3770 uses the default directory / fnsw/local/tmp/3770.

Action: Verify that the directory name exists and permissions are correct and then retry the operation.

169,2,4**cold_3770: Error open inuse_lock.**

Cause: The cold_3770 program encountered an error when trying to open an inuse_lock.

Action: This is an internal error. Contact IBM Software Support for assistance.

169,2,5**cold_3770: Error open data file.**

Cause: The cold_3770 program encountered an error when trying to open a data file.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

169,2,7**cold_3770: Failed in function security check**

Cause: The cold_3770 program encountered an error when trying to verify security check.

Action: This is an internal error. Contact IBM Software Support for assistance.

169,2,8**cold_3770: error getting file status. Check error log for more information.**

Cause: The cold_3770 program encountered an error when trying to get file status.

Action: This is an internal error. Contact IBM Software Support for assistance.

169,2,9**cold_3770: error renaming files. Check error log for more information.**

Cause: The cold_3770 program encountered an error when trying to rename a file.

Action: Verify the file permission of the COLD data file and the directory. Retry the operation. If the problem persists, contact IBM Software Support for assistance.

169,2,10

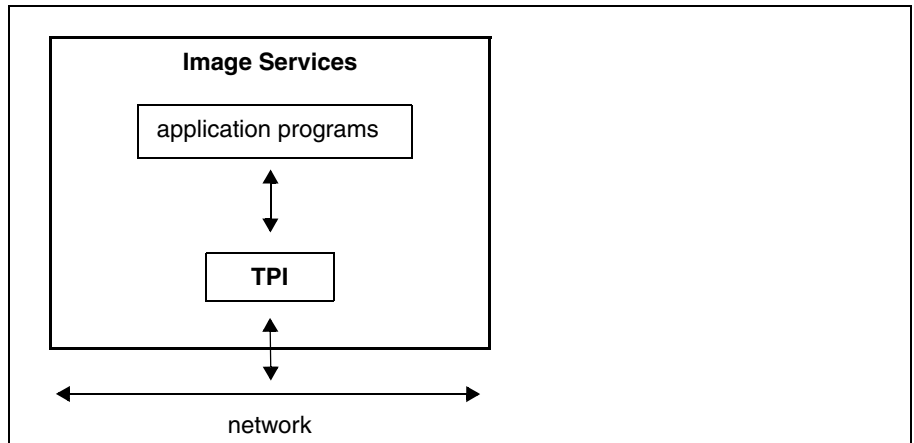
cold_3770: error opening file. Check error log for more information.

Cause: The cold_3770 program encountered an error when trying to open a file.

Action: Verify the file permission of the COLD data file and configuration files in the /fnsf/local/cold/directory. Retry the operation. If the problem persists, contact IBM Software Support for assistance.

TPI (192) Messages

The Transport Interface (TPI) shared library provides the PEP (Packet Exchange Protocol) service, a connectionless network interface, to applications.



TPI Shared Library Diagram

This section has information about TPI error codes, which begin with “192.” Each entry has an error code, an error message, a possible cause, and an action.

192,0,4**TPI main(): Bad version for link.**

Cause: The version of the TPI shared library is incompatible with a program that tried to link to it. This problem is typically the result of an incomplete software installation or a problem that occurred during a single module update.

Action: Install the latest Image Services fix pack to ensure that all dependent modules are installed.

192,1,5**TPI_SendPEPReq: PEP_CrRequester() error.**

Cause: A network error occurred.

Action: Typically, no action is required because the software retries the operation when a network error occurs. If the problem persists, contact the network administrator.

192,1,6**TPI_SendPEPReq: PEP_SendRequest() error.**

Cause: A network error occurred.

Action: Typically, no action is required because the software retries the operation when a network error occurs. If the problem persists, contact the network administrator.

192,2,2**TPI_OpenPEPStr: out of memory.**

Cause: An out-of-memory error occurred.

Action: Increase the operating system memory that is allocated to the Image Services environment.

192,2,7**TPI_OpenPEPStr: PEP_CrReplier() error.**

Cause: A network error occurred.

Action: Typically, no action is required because the software retries the operation when a network error occurs. If the problem persists, contact the network administrator.

192,2,108**TPI_OpenPEPStr: PEP_CrReplier() error.**

Cause: An error occurred in one of the following operating system calls: socket(), sockopt(), bind(), getsockname(), gethostbyname(), or TPI_OpenPEPStr().

Action: Confirm that the host name is configured properly. If the problem persists, contact IBM Software Support for assistance.

192,4,1**TPI_GetPEPReq: wrong client type.**

Cause: An incompatibility exists between the client application and the server application.

Action: Retry the operation. If the problem persists, contact IBM Software Support for assistance.

192,4,3**TPI_GetPEPReq: No packet, timeout.**

Cause: A network error occurred.

Action: Typically, no action is required because the software retries the operation when a network error occurs. If the problem persists, contact the network administrator.

192,4,9**TPI_GetPEPReq: PEP_GetReq() error.**

Cause: A network error occurred.

Action: Typically, no action is required because the software retries the operation when a network error occurs. If the problem persists, contact the network administrator.

192,05,10**TPI_SendPEPReply: PEP_SendReply() error.**

Cause: A network error occurred.

Action: Typically, no action is required because the software retries the operation when a network error occurs. If the problem persists, contact the network administrator.

192,10,200**TPI: A native system call has failed.**

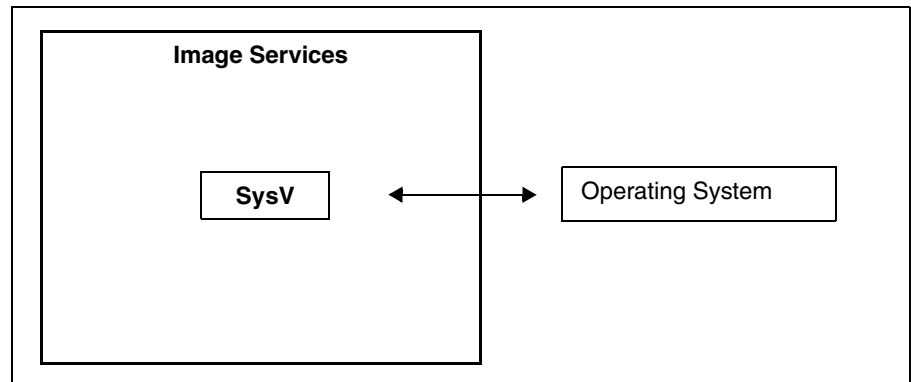
Cause: TPI encountered a failed system call and cannot continue.

Action: Typically, no action is required because the software retries the operation when a network error occurs. If the problem persists, contact the network administrator.

SysV (202) Messages

The SystemV Miscellaneous (SysV) shared library provides both local and global memory management functions and interprocess communication functions (claiming and releasing interlocks).

SysV communicates only with the host operating system and libraries. SysV does not call other FileNet libraries.



SysV Shared Library Diagram

SysV shared library error codes begin with 202. Each entry has an error code, an error message, a possible cause, and a recommended action.

202,0,1

An invalid argument was passed to a SysV entry point.

Cause: A SysV function was called using an invalid argument. The invalid argument may be due to incorrect input or to a problem in the FileNet Image Services code.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,2**A request for additional local process memory failed.**

Cause: The software has requested an area of memory larger than can be obtained.

Action: Refer to your host operating system documentation for information about configuring process memory limits.

202,0,3**A request for additional local process memory failed and resulted in an unknown error value. See error log for errno.**

Cause: The system could not provide additional local memory for the process.

Action: Refer to your host operating system documentation for information about configuring process memory limits.

202,0,4**The code version of the abstract does not match that of its client.**

Cause: The installed versions of FileNet Image Services binaries do not match. This usually occurs when binaries from different fix packs are installed, or if a problem occurred during fixpack installation.

Action: Reinstall the latest FileNet Image Services fixpack.

202,0,5**The size of shared memory requested from getgloarea is too big. See error log for size restrictions.**

Cause: A request was made for a shared memory amount larger than can be allocated.

Action: Refer to the *IBM FileNet Image Services Installation and Configuration Procedures* manual for information on configuring shared memory limits.

202,0,6**The software limit of allotted shared memory segments has been exceeded. Run fn_edit to increase maximum shared memory. The FNSHMEGSZ2 file may need to be set to a larger segment size.**

Cause: The maximum number of shared memory segments has been allocated.

Action: The system configuration may need to be modified to use less shared memory. The size of a shared memory segment may need to be increased. Consult the *IBM FileNet Image Services Installation and Configuration Procedure* manual for information on shared memory configuration.

202,0,7**A request for more shared memory failed.**

Cause: The requested amount of shared memory could not be obtained.

Action: Modify the system configuration to use less shared memory. Increase the size of a shared memory segment. On Windows systems regenerate the list of shared memory addresses. Consult the *IBM*

FileNet Image Services Installation and Configuration Procedures manual for information on shared memory configuration.

202,0,8 An attempt was made to release shared memory owned by a different software component.

Cause: An internal software error occurred.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,9 The process terminated abnormally due to encountering an unexpected error condition.

Cause: A software error caused the process to abort.

Action: On UNIX systems, check the elog file for a core file path and name. On Windows systems, search for a *.dmp file. (Note: Windows must be configured to create dump files). Save the file for analysis by IBM Software Support.

202,0,10 An invalid size parameter was used when attempting to allocate a shared memory segment.

Cause: The software attempted to allocate an area of shared memory. The requested size for this area is invalid.

Action: Decrease the size of a shared memory segment. Consult the *IBM FileNet Image Services Installation and Configuration Procedures* manual for information on shared memory configuration.

202,0,11

The permissions requested by the process for the shared memory segment could not be granted by the system.

Cause: The user may not have correct security or group membership, or the processes may not have correct execute permissions.

Action: Check the security parameters for the user on the system. Run the fn_setup utility to set the software execute permissions.

- 202,0,12** **The maximum number of allowed shared memory identifiers has been exceeded.**
- Cause:** (UNIX only) The software has allocated more shared memory segments than are allowed by the system shared memory identifier limit.
- Action:** Modify the system configuration to increase the number of shared memory identifiers. Consult the *IBM FileNet Image Services Installation and Configuration Procedures* manual for details.
-
- 202,0,13** **The amount of available shared memory is not sufficient for the request.**
- Cause:** (UNIX only) The amount of physical memory available is insufficient to satisfy a request for more shared memory.
- Action:** Modify the system configuration to reduce the amount of shared memory used or change the size of a shared memory segment.
-
- 202,0,14** **An unknown error occurred when attempting to create a new shared memory segment. See error log for errno.**
- Cause:** (UNIX only) An unexpected error occurred while attempting to create a shared memory segment.
- Action:** Check the *IBM FileNet Image Services Installation and Configuration Procedures* manual to confirm that the system is properly configured for shared memory usage.

202,0,15**An invalid argument was used when attempting to attach (map) to a shared memory segment.**

Cause: An internal software shared memory allocation error occurred.

Action: Check the *IBM FileNet Image Services Installation and Configuration Procedures* manual to confirm that the system is properly configured for shared memory usage. On Windows a software recycle may correct this problem.

202,0,16**The requested operating permissions were denied for the process.**

Cause: (UNIX only) An attempt to attach to a shared memory segment failed due to incorrect security permissions.

Action: Check that the user identified in the error log for this message is properly setup and belongs to the correct user groups for FileNet Image Services software.

202,0,17**An attempt to attach to a shared memory segment failed because the size was too large.**

Cause: (UNIX only) The size of a shared memory segment is too large for the attempted mapping address.

Action: Check the *IBM FileNet Image Services Installation and Configuration Procedures* manual to confirm that the system is properly configured for shared memory usage.

- 202,0,18** **The number of shared memory segments mapped to the calling process would exceed the system-imposed limit.**
- Cause:** (UNIX only) The number of shared memory segments is too large.
- Action:** Check the *IBM FileNet Image Services Installation and Configuration Procedures* manual to confirm that the system is properly configured for shared memory usage.
-
- 202,0,19** **An unknown error occurred during a shared memory attach operation. See error log for errno.**
- Cause:** (UNIX only) An attempt to attach to a shared memory segment failed due to unknown reasons.
- Action:** Check the *IBM FileNet Image Services Installation and Configuration Procedures* manual to confirm that the system is properly configured for shared memory usage.

202,0,20**An unknown IPC key was passed to fnc_get_key.**

Cause: An internal software error occurred.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,21**The system paging space is too low, and processes may be killed until enough paging space exists to meet the current request. It is suggested that the paging space be monitored (using 'lps -a') and adjusted to address the needs of the software.**

Cause: (AIX only) A performance problem exists. Refer to the message text for the cause. Processes could be terminated until enough paging space exists to meet the current request.

Action: Monitor the paging space (using the lps -a tool) and adjust as necessary for the software requirements. Refer to the message text for actions.

202,0,22**Mismatched data size between the application and the SysV library. The installed binaries may not be from the same release or fixpack. Update the software using the latest fixpack available.**

Cause: The data structures internal to the process do not match the SysV library and, therefore, the process fails.

Action: Update the installed FileNet Image Services binaries from the most recent fixpack available.

202,0,23**Invalid shm_handle.**

Cause: An internal software error occurred (Windows Server only).

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,24**A shared memory operation failed. Refer to log.**

Cause: A problem occurred when allocating or mapping to shared memory.

Action: Check the *IBM FileNet Image Services Installation and Configuration Procedures* manual to confirm that the system is properly configured for shared memory usage.

202,0,26**The Shared Memory Manager segment does not exist.**

Cause: The shared memory segment known as the address manager is not setup.

Action: Check the *IBM FileNet Image Services Installation and Configuration Procedures* manual to confirm that the system is properly configured for shared memory usage. Perform a complete software shutdown and restart.

202,0,27**Not an error. This tuple is used for tracing.**

Cause: This tuple is used in many places to indicate an information only message and usually is not a problem.

Action: Examine the associated error log message for possible further instructions.

- 202,0,29** **The address is not in shared memory.**
- Cause:** An incorrect shared memory address is used in the code. Shared memory may be corrupt.
- Action:** Run the 911 script and contact IBM Software Support for assistance.
-
- 202,0,30** **Memory corruption detected. Refer to error log.**
- Cause:** Memory corruption was detected by the software.
- Action:** Run the 911 script and contact IBM Software Support for assistance.
-
- 202,0,33** **Signal SIGQUIT was received. There should be a core file.**
- Cause:** A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.
- Action:** Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.
-
- 202,0,34** **Signal SIGILL was received. There should be a core file.**
- Cause:** A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,35

Signal SIGTRAP was received. There should be a core file.

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,36

Signal SIGEMT was received. There should be a core file.

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,37 Signal SIGFPE was received. There should be a core file.

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,38 Signal SIGBUS was received. There should be a core file.

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,39 Signal SIGSYS was received. There should be a core file.

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,40**Signal SIGXCPU was received. There should be a core file.**

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,41**Signal SIGXFSZ was received. There should be a core file.**

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,42**Signal SIGDANGER was received. There should be a core file.**

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,43 Unknown signal this should never happen. This is sanity check.

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Check the corresponding ELOG error message for a possible action to take. If no action is listed, contact IBM Software Support for assistance.

202,0,44 The entry point called has been deimplemented.

Cause: A SysV function that is no longer used was called.

Action: Check that all binary files are up-to-date. Install the latest fix-packs if necessary.

202,0,45 Bad magic number in the head memory link of area in Local Memory Context.

Cause: Local memory corruption has occurred.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,46 Bad magic number in the tail memory link of area in Local Memory Context.

Cause: Local memory corruption has occurred.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,48 Zero parameter passed instead of a pointer to a pointer.

Cause: An internal error has occurred in the software.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,49 Value of pointer to a pointer was illegally zero.

Cause: An internal error has occurred in the software.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,50 Pointer parameter value is not a multiple of 4.

Cause: An internal error has occurred in the software.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,52 Local Memory Context magic number error.

Cause: A program has encountered an error and has sent information about the error to the SNMP proxy agent which reports the error. This error code indicates the type of error.

Action: Run the 911 script and contact IBM Software Support for assistance.

- 202,0,1001** **Value returned by procedures that should have been declared void.**
- Cause:** The code is incorrectly checking a value returned from a void procedure. This is a problem in the code.
- Action:** Run the 911 script and contact IBM Software Support for assistance.
-
- 202,0,1002** **FNL: bad interlock handle: range.**
- Cause:** The interlock code encountered an internal value that is out of range. This is a problem in the code.
- Action:** Run the 911 script and contact IBM Software Support for assistance.
-
- 202,0,1003** **FNL: bad interlock handle: interlock not in use.**
- Cause:** A handle for an interlock that is no longer used was passed to the interlock code. This is a problem in the code.
- Action:** Run the 911 script and contact IBM Software Support for assistance.
-
- 202,0,1004** **FNL: global memory corrupt: bad inx in interlock validation field.**
- Cause:** An internal validation check has failed, indicating corruption in shared memory used by the interlock code.

Action: Run `ipc_tool -D` (or `wal_ipc -D` on ISTK) to dump shared memory to a file. Run the 911 script and contact IBM Software Support for assistance.

202,0,1005

FNL: bad interlock handle: stale (previously deallocated).

Cause: A handle for an interlock that was deallocated was passed to the interlock code. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1006

FNL: alloc pros rec: bug: illegal wait type.

Cause: An internal error occurred in the interlock code. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1008

FNL: no memory for process record chunks.

Cause: The interlock record table has reached capacity.

Action: Run the 911 script and contact IBM Software Support for assistance. The configuration should be checked for parameters that might be reduced.

- 202,0,1009** **FNL bug: process already linked into wait queue.**
Cause: A process is attempting to claim an interlock twice. This is a problem in the code.
Action: Run the 911 script and contact IBM Software Support for assistance.
- 202,0,1010** **FNL bug: process already unlinked from wait queue.**
Cause: A process is attempting to release an interlock twice. This is a problem in the code.
Action: Run the 911 script and contact IBM Software Support for assistance.
- 202,0,1011** **FNL: release: kill(pid,SIGCONT) returned error.**
Cause: A wakeup signal could not be sent to the process waiting on an interlock.
Action: Examine the error number displayed in the error log - this may give clues for possible actions. Run the 911 script and contact IBM Software Support for assistance.
- 202,0,1012** **FNL: claimt: caller error: negative timeout parameter.**
Cause: A process called an interlock routine with an invalid parameter. This is a problem in the code.
Action: Run the 911 script and contact IBM Software Support for assistance.

- 202,0,1013** **FNL bug: release: empty claim q.**
- Cause:** An interlock was released, but the queue of processes waiting for the lock was empty when it should have had members.
- Action:** Run the 911 script and contact IBM Software Support for assistance.
-
- 202,0,1014** **FNL: release: caller error: release limit exceeded.**
- Cause:** The claim count value of an interlock is out of range. This is a problem in the software.
- Action:** Run the 911 script and contact IBM Software Support for assistance.
-
- 202,0,1015** **FNL: caller error: too many releaseshare, or called before claimshare.**
- Cause:** An interlock has been released too many times. This is a problem in the software.
- Action:** Run the 911 script and contact IBM Software Support for assistance.
-
- 202,0,1016** **FNL: getinterlock: bug: bad avail interlock list.**
- Cause:** The internal list of available interlock records is invalid. This is a problem in the software.
- Action:** Run the 911 script and contact IBM Software Support for assistance.

202,0,1017**FNL: capacity exceeded: too many interlocks.**

Cause: The software has run out of interlocks. This is most likely due to a problem in the software, but might be load related.

Action: Use `ipc_tool -i` to monitor the total number of interlocks. If it continues to rise and never stabilizes, then contact IBM Software Support for assistance.

202,0,1018**FNL: retinterlock: caller err: interlock already deallocated.**

Cause: An attempt was made to deallocate an interlock twice. This is a problem in the software.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1021**FNL: claimshare: caller err: claim count for readers/writers > 1.**

Cause: The first reader process to claimshare an interlock has encountered an invalid condition. The claim count for the interlock should be 1 but it is greater than 1. This indicates a problem in the software.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1022**FNL: bug: impossible condition occurred.**

Cause: A type of problem that is not handled by the code has been detected.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1023

FNL: bug: attempt to reinitialize FNL process globals.

Cause: A duplicate initialization of the interlock code was attempted.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1024

FNL: bug: claim count invariant condition violated.

Cause: The claim_count value for an interlock is invalid. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1025

FNL: bug: claim queue invariant condition violated.

Cause: The claimshare count value for an interlock in a wait queue is invalid. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1028

FNL: bug: avail pros list/count inconsistent.

Cause: An inconsistency in the interlock tables was detected. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1029

FNL: bug: avail process record dope vector allocation err.

Cause: An incorrect boundary condition in the interlock code was detected. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1030

FNL: info msg: NUM_CS_ILK too small. Increase and re-compile.

Cause: Information only - not a problem. An internal statistics counter hit its limit.

Action: No action is necessary. This message is for development information only.

202,0,1033

FNL: msgrcv is in an error loop.

Cause: The msgrcv call has repeatedly failed. Consult the error number recorded in the error log for the cause.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1034**FNL: error returned from msgget.**

Cause: A msgget call in the interlock code has failed. Consult the error number recorded in the error log for the cause.

Action: Lookup the description of the error number to determine what action to take. If this is insufficient information, run the 911 script and contact IBM Software Support for assistance.

202,0,1039**FNL: fork/exec of wal_daemon failed.**

Cause: The wal_daemon process could not start. Consult the error number recorded in the error log for the cause.

Action: Lookup the description of the error number to determine what action to take. If this is insufficient information, run the 911 script and contact IBM Software Support for assistance.

202,0,1040**FNL: process killed while waiting on deallocated interlock.**

Cause: The process was killed because it was waiting on a deallocated interlock. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1041**FNL: process doomed because waiting on interlock being deallocated.**

Cause: A process is marked to terminate because it is waiting on an interlock that has been deallocated. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1042

FNL: process record already deallocated.

Cause: An attempt was made to deallocate a process record twice. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1043

FNL: bug: interlock not spin locked.

Cause: An attempt was made to return an interlock that should be spin locked but was not. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1044

FNL: bug: interlock not in its per-process interlock list.

Cause: An attempt was made to return a per-process interlock, but the lock was not in the per-process interlock list. This is a problem in the code.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1045

FNL: release(interlock) gives it to dead claimer process.

Cause: An interlock is released, but the process waiting for the lock has terminated.

Action: The cause of the termination of the waiting process must be determined. The PID of the termination process is recorded in the error log file. Run the 911 script to gather information that can help determine why the process terminated.

202,0,1046**FNL: releaseshare(interlock) gives it to dead claimer process.**

Cause: A claimshare interlock is released, but the process waiting for the lock has terminated.

Action: The cause of the termination of the waiting process must be determined. The PID of the termination process is recorded in the error log file. Run the 911 script to gather information that can help determine why the process terminated.

202,0,1047**FNL: Failed to set the signal handler.**

Cause: The interlock timeoutmonitor process failed to setup a signal handler. Check the error log for the cause of the related error number.

Action: The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.

202,0,1048**FNL: Failed to obtain current time.**

Cause: The interlock code failed to obtain the current time. Check the error log for the cause of the related error number.

Action: The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.

202,0,1049**FNL: Failed to send a message (msgsnd).**

Cause: The interlock code failed to send a message to the process waiting for an interlock. Check the error log for the cause of the related error number.

Action: The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.

202,0,1050**FNL: Terminating Timeout Monitor daemon (timeout-monitor) due a fatal error.**

Cause: See the error log for details on the error and related cause.

Action: Run the 911 script and contact IBM Software Support for assistance.

202,0,1051**FNL: Information: This is not an error.**

Cause: Information only - not an error.

Action: No action is necessary. This message is for development information only.

202,0,1052**FNL: Failed to find the path.**

Cause: The directory path to the timeoutmonitor process could not be found.

Action: Check that the file and path as displayed in the error log exist and are accessible.

202,0,1053**FNL: Failed to obtain a unique key (ftok).**

Cause: A message queue key could not be obtained.

Action: Check the error log for the related error number and take appropriate action based on its value. If the error log does not provide sufficient information contact IBM Software Support for assistance.

202,0,1054**FNL: Out of memory.**

Cause: A request to obtain more local memory failed. Check the error log for the cause of the related error number.

Action: Modify the system configuration to allow for more process memory.

202,0,1055**FNL: Process attempted to claimshare an interlock again.**

Cause: The calling process committed an illegal call.

Action: Run the 911 script and contact IBM Software Support for assistance.

- 202,0,2001** **Failed to find the binary for an abstract.**
Cause: A library file could not be loaded. The error number in the elog gives the cause.
Action: The error displayed in the elog determines what action to take.
- 202,0,2003** **Abstract initialization function not found while linking an abstract**
Cause: The initialization routine in a library could not be found. The library file may be damaged, or may be an incorrect version.
Action: Reinstall the library file.
- 202,0,2004** **SHM DLL was not able to allocate process globals correctly**
Cause: A process did not properly initialize.
Action: Restart the process. If the problem continues, contact IBM Software Support for assistance.
- 202,0,2005** **An error occurred attempting to open a shared file mapping object**
Cause: Check the elog for an error number that describes the cause.
Action: The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.

- 202,1,1** **The semctl(2) call failed. Check the error number (errno) recorded in the syslog for the cause.**
- Cause:** An operation on a semaphore failed.
- Action:** The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.
-
- 202,1,4** **The semop(2) call failed while trying to claim a semaphore. Check the error number (errno) recorded in the syslog for the cause.**
- Cause:** A claim operation on a semaphore failed.
- Action:** The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.
-
- 202,1,5** **The semop(2) call failed while trying to release a semaphore. Check the error number (errno) recorded in the syslog for the cause.**
- Cause:** A release operation on a semaphore failed.
- Action:** The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.

202,1,7

The semop(2) call failed while trying to claim a system semaphore. Check the error number (errno) recorded in the syslog for the cause.

Cause: A claim operation on a system semaphore failed.

Action: The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.

202,1,8

The semop(2) call failed while trying to release a system semaphore. Check the error number (errno) recorded in the syslog for the cause.

Cause: A release operation on a semaphore failed.

Action: The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.

202,1,11

The semget(2) call failed while attempting to create a new semaphore set. Check the error number (errno) recorded in the syslog for the cause.

Cause: An attempt to create a semaphore set failed.

Action: The error number displayed in the elog determines what action to take. The system configuration may need to be changed or user permissions set properly.

202,1,14**Semaphore key has wrapped around**

Cause: An internal software key used for identifying semaphores has cycled so many times that it has wrapped around back to its original value.

Action: Completely shutdown the FileNet Image Services software then restart to reset the semaphore key.

- 202,1,2001 An error occurred attempting to open a system mutex object**
- Cause:** Windows Only. The OpenMutex call failed. The logged error from GetLastError explains the cause.
- Action:** If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.
-
- 202,1,2002 An error occurred attempting to create a system mutex object**
- Cause:** Windows Only. The CreateMutex call failed. The logged error from GetLastError explains the cause.
- Action:** If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.
-
- 202,1,2003 An error occurred attempting to claim a system mutex object**
- Cause:** Windows Only. The WaitForSingleObject call failed on a mutex. The logged error from GetLastError explains the cause.
- Action:** If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.
-
- 202,1,2004 An error occurred attempting to release a system mutex object**
- Cause:** Windows Only. The ReleaseMutex call failed. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2005

An error occurred attempting to create a process event object

Cause: Windows Only. The CreateEvent call failed. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2007

An error occurred attempting to claim a process event object

Cause: Windows Only. The WaitForSingleObject failed on an event object. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2008

An error occurred attempting to free a process event object

Cause: Windows Only. The SetEvent call failed. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2009**An error occurred attempting to open a process event object**

Cause: Windows Only. The OpenProcess call failed. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2010**An error occurred attempting to create a semaphore object**

Cause: Windows Only. The CreateSemaphore call failed. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2011**An error occurred attempting to open a semaphore object**

Cause: Windows Only. The OpenSemaphore call failed. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2012**An error occurred attempting to claim a semaphore object**

Cause: Windows Only. The WaitForSingleObject call failed on a semaphore object. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2013

An error occurred attempting to release a semaphore object

Cause: Windows Only. The ReleaseSemaphore call failed. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2014

An error occurred attempting to close a semaphore object

Cause: Windows Only. The CloseHandle call failed to close a semaphore. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

202,1,2015

An error occurred attempting to duplicate the handle of the current thread

Cause: Windows Only. The DuplicateHandle call failed to duplicate a thread handle. The logged error from GetLastError explains the cause.

Action: If an action cannot be determined based on the displayed error value, then contact IBM Software Support for assistance.

- 202,3,1** **getssn() call failed. Check the error log for details on the cause of the failure.**
- Cause:** On Windows, the SSN could not be retrieved from the Registry. On UNIX, the SSN could not be retrieved from the SSN file.
- Action:** Check the corresponding ELOG error message for the related error number. On Windows check the registry. On UNIX check the SSN file.
-
- 202,3,3** **The getssn() routine should not be called directly by ISTK (WAL) clients**
- Cause:** A client (ISTK/WAL) application requested the SSN. Only server applications should do this.
- Action:** Check the client application environment. Either the code was improperly written or the client application is accidentally linking to the server FileNet Image Services libraries.
-
- 202,4,1** **Program error: abs_end_init was called without first calling abs_begin_init.**
- Cause:** An internal software error occurred.
- Action:** Contact IBM Software Support for assistance.
-
- 202,4,2** **XXX_init_V error: Version mis-match. Refer to error log.**
- Cause:** An abstract version is incorrect.

Action: Some component of the FileNet Image Services software is out-of-date. Refer to the elog for the component name. Reinstall FileNet Image Services.

202,4,3

XXX_init_V error: Bad parameter passed to signal().

Cause: A programming error called the signal() function with a bad parameter.

Action: Contact IBM Software Support for assistance.

202,4,4

Callers can not link to SysV with abst_link or get_interface. Callers are already linked to SysV when their module loads.

Cause: A programming error attempted to manually link the SysV library when it is already automatically linked.

Action: Contact IBM Software Support for assistance.

202,4,5

End of entry point list reached. This is internal to SysV only.

Cause: A requested library entry point could not be found. This is a programming error.

Action: Contact IBM Software Support for assistance.

- 202,4,6** **Some required entry points are not supported by the target interface.**
- Cause:** A requested library entry point could not be found. This is a programming error.
- Action:** Contact IBM Software Support for assistance.
-
- 202,4,7** **Entry point list contains illegal characters. Only 0..9, '-' and ',' OK.**
- Cause:** A requested library entry point contained at least one invalid character. This is a programming error.
- Action:** Contact IBM Software Support for assistance.
-
- 202,4,8** **Requested interface not supported by target abstract.**
- Cause:** A requested library entry point could not be found. This is a programming error.
- Action:** Contact IBM Software Support for assistance.
-
- 202,4,9** **Abstract name is too long.**
- Cause:** A library abstract name passed in to SysV is too long. This is a programming error.
- Action:** Contact IBM Software Support for assistance.

- 202,4,10** **Interface name is too long.**
Cause: An interface name passed in to SysV is too long. This is a programming error.
Action: Contact IBM Software Support for assistance.
- 202,4,11** **The SysV internal abstract table is full.**
Cause: The internal SysV table of abstracts is full. This is a programming error.
Action: Contact IBM Software Support for assistance.
- 202,4,12** **Unknown PSO type encountered. Valid type are PSO_UID or PSO_GID**
Cause: The PODF configuration file contains invalid data.
Action: Check the elog message for details on the error then examine and fix the contents of /fnsw/local/filenet.podf
- 202,4,13** **Map string must be in quotes.**
Cause: The PODF configuration file contains invalid data.
Action: Check the elog message for details on the error then examine and fix the contents of /fnsw/local/filenet.podf
- 202,4,14** **Map string is too long.**
Cause: The PODF configuration file contains invalid data.

Action: Check the elog message for details on the error then examine and fix the contents of /fnsw/local/filenet.podf

202,4,15**This PODF call is not available.**

Cause: An application called a PODF function under the wrong circumstances. This is a programming error.

Action: Contact IBM Software Support for assistance.

202,4,16**Can't write PODF data to file.**

Cause: Data could not be written to the PODF file.

Action: Check the elog message for the error number. The error gives the reason why the data could not be written.

202,4,17**The thread failed to initialize properly.**

Cause: A new thread failed to initialize properly in the SysV library. This is a programming error.

Action: Contact IBM Software Support for assistance.

202,4,18**PODF data file is corrupt.**

Cause: A checksum error was detected on the PODF data file.

Action: Check the elog for the PODF file name. Replace the file with the default version provided with FileNet Image Services.

202,5,1**A call to `put_pg_globals` was unsuccessful due to an error in the `putenv` call.**

Cause: In preparation for the fork (creation) of a new process, a process failed to map its process globals into the environment variable `PROC_GLOBALS`. This mapping failure only affects the ability of that process to subsequently fork (create) a new process.

Action: A response is unnecessary, processing continues.

202,5,2**A call to `get_pg_globals` was unsuccessful due to an error in the `getenv` call.**

Cause: A process failed to obtain the contents of the `PROC_GLOBALS` environment variable. This is typically caused when you try to run a program directly from the shell when a parent process should run the program.

Action: A response is unnecessary, processing continues. Though the process will probably execute, the process could not be able to perform certain functions available after proper startup by a parent process.

202,5,3**Not an error tuple. The tuple is used for debugging.**

Cause: This message is for page global debugging only, and does not indicate an error.

Action: This message should only appear if a debug version of the SysV library has been installed. If no debugging is occurring on the system, reinstall the Image Services software to restore the normal SysV library.

202,6,1**A key or value in the registry database could not be found.**

Cause: The FileNet Image Services software was unable to obtain a value from the Windows Registry.

Action: The Windows Registry was not setup properly, or has changed. The FileNet Image Services software may need to be reinstalled. Consult the elog for the name of the required registry key.

202,6,2**Illegal path passed to fnc_path function.**

Cause: The directory path is incorrect.

Action: Check the elog for a description of the error. Correct the path if possible, otherwise contact IBM Software Support for assistance.

202,6,3**The current process is not registered.**

Cause: A FileNet Image Services process has not properly initialized with the SysV library. This is a programming error.

Action: Contact IBM Software Support for assistance.

202,6,4**Attempt to register an invalid PID.**

Cause: An invalid PID was given to the fnc_reg_script application.

Action: Run fnc_reg_script again using a valid FileNet Image Services PID (e.g. as displayed by the UNIX ps command).

202,6,5**System Error. Check error log for more info.**

Cause: An operating system function failed.

Action: Check the elog for more information on the failed routine, including the error number that describes the cause. Take appropriate action based on the error number.

202,6,6**Permission to a particular segment was denied.**

Cause: The security permissions for a shared memory segment prohibit access by the user.

Action: Check user security (including group membership) and FileNet Image Services software setup (run the fn_setup utility).

202,6,7**FNC: An attempt to dynamically load a library failed.**

Cause: A library file could not be loaded.

Action: Check the elog for the name of the library and the error number that explains the cause. Take corrective action based on the error number.

202,6,8**FNC: An attempt to initialize a dynamically loaded library failed.**

Cause: A library initialization failed.

Action: Check the elog for the library file name. Check that the file is the correct version or reinstall the latest software edition.

202,6,9**FNC: An illegal parameter was passed to an entry point.**

Cause: A function in the code was called with an invalid parameter. This is a programming error.

Action: Contact IBM Software Support for assistance.

- 202,6,10** **FNC: An abnormal condition occurred during write activity logging operation. Refer to the error log.**
- Cause:** A problem occurred writing to the activity log.
- Action:** Check the elog for details on the cause. If the elog description does not give information on a corrective action, contact IBM Software Support for assistance.
-
- 202,6,11** **FNC: An abnormal condition occurred when flushing activity log buffer. Refer to the error log.**
- Cause:** A problem occurred flushing the activity log.
- Action:** Check the elog for details on the cause. If the elog description does not give information on a corrective action, contact IBM Software Support for assistance.
-
- 202,6,12** **FNC: A conflict exists with the serverConfig file.**
- Cause:** A previous version of the serverConfig file exists which might contain customization done for the system.
- Action:** Examine the elog for the path of the serverConfig.conflict file. Examine this file for configuration customization additions that may need to be added to the standard serverConfig file.
-
- 202,6,13** **FNC error in fnc_net_address_to_string.**
- Cause:** An error occurred in the translation of a network address to a string.

Action: Check the elog for details on the cause. If the elog description does not give information on a corrective action, contact IBM Software Support for assistance.

202,6,14**FNC error in fnc_string_to_net_address.**

Cause: An error occurred in the translation of an address string to a network address.

Action: Check the elog for details on the cause. If the elog description does not give information on a corrective action, contact IBM Software Support for assistance.

202,6,15**Error Tuple was not found in the message catalog or there was some other error in converting an IS Error Tuple to a SWG Message ID. This error has no effect on program performance or correctness.**

Cause: An error tuple could not be translated into a SWG Message ID. This is a programming error.

Action: Contact IBM Software Support for assistance.

202,6,17**Informational message. Check the elog for a detailed description.**

Cause: The corresponding elog message displays information about the operation of FileNet Image Services. The message is not an error.

Action: No action is necessary.

202,6,18 **A problem occurred reading data from a file. See the error log for details.**

Cause: A file could not be read.

Action: Check the elog for details on the cause. If the elog description does not give information on a corrective action, contact IBM Software Support for assistance.

202,6,2001 **FNC NT error - check the elog file for details.**

Cause: An error occurred performing a Windows call.

Action: Check the elog for details on the cause. If the elog description does not give information on a corrective action, contact IBM Software Support for assistance.

202,7,1 **killfnsw could not kill off a program.**

Cause: A FileNet Image Services process could not be terminated during shutdown.

Action: Check the elog for the process name and PID that could not be killed. Manually kill the process using kill (UNIX) or the Windows Task Manager. If the process cannot be killed, reboot the system.

202,8,1 **event_action log tuple. Refer to the error log.**

Cause: Additional problems occurred while a process was terminating due to an error.

Action: Check the elog for details on the cause. If the elog description does not give information on a corrective action, contact IBM Software Support for assistance.

202,8,2**A child process has abnormally terminated. Refer to the error log.**

Cause: A child process terminated abnormally.

Action: Check the elog for details on the cause. If the elog description does not give information on a corrective action, contact IBM Software Support for assistance.

202,9,1**The FNC abstract could not open a UDP socket to send a trap.**

Cause: A network call failed when trying to send a trap. Check the elog for details on the cause. The failed call and errno are displayed. Check the errno value for the cause.

Action: Take action based on the errno value to correct the network problem.

202,9,2**The FNC abstract could not bind to the trap socket.**

Cause: The network bind call failed when trying to send a trap. Check the elog for the errno value, which will indicate the cause for the failure.

Action: Take action based on the errno value to correct the network problem.

- 202,9,3** **The FNC abstract got an error writing to the trap socket.**
Cause: The network sendto call failed when trying to write to the trap socket. Check the elog for the errno value, which will indicate the cause for the failure.
Action: Take action based on the errno value to correct the network problem.
- 202,9,4** **Not really an error - just testing the trap mechanism...**
Cause: This message is displayed by code used to test the trap mechanism and is not an error.
Action: No action is necessary.
- 202,10,0** **One or more parameters to a GUID function are invalid.**
Cause: A GUID function in SysV was called with invalid parameters. This is a programming error.
Action: Contact IBM Software Support for assistance.
- 202,10,1** **The native GUID generation function failed.**
Cause: A GUID generation function failed. This is a programming error.
Action: Contact IBM Software Support for assistance.

- 202,10,2** **The referenced GUID does not represent a valid legacy GUID.**
- Cause:** The GUID passed in does not conform to the format for a legacy GUID.
- Action:** If possible, check the value of the GUID and correct it.
-
- 202,10,3** **The GUID string is invalid.**
- Cause:** A GUID string contains invaled characters or is not formatted properly.
- Action:** If possible, check the value of the GUID and correct it.
-
- 202,10,4** **The specified GUID object type is not valid.**
- Cause:** A GUID object type does not match any of the valid types.
- Action:** If possible, check the value of the GUID and correct it.
-
- 202,10,5** **A failure occurred while getting the hardware address for GUID use.**
- Cause:** A MAC address could not be obtained from the hardware. This address was needed by the GUID generation code.
- Action:** Check the network card configuration.
-
- 202,10,6** **A failure occurred while attempting to create the clock sequence file. This is a fatal error. Consult the software**

event log to determine the error number returned from the create call.

Cause: A file used to store a clock sequence number that was used in GUID generation could not be created.

Action: Check the elog for the error number. Take appropriate action based on the error number.

202,11,7**Failed to execute pthread_once.**

Cause: The pthread_once system call failed. The corresponding elog message includes the cause.

Action: Take appropriate action based on the cause given in the elog.

202,11,8**Failed to initialize the thread mutex.**

Cause: The pthread_mutex_init system call failed. The corresponding elog message includes the cause.

Action: Take appropriate action based on the cause given in the elog.

202,11,10**Failed to obtain attributes of the thread mutex.**

Cause: The pthread_mutexattr_init system call failed. The corresponding elog message includes the cause.

Action: Take appropriate action based on the cause given in the elog.

202,11,11**Failed to set attributes of the thread mutex.**

Cause: The `pthread_mutexattr_settype` system call failed. The corresponding elog message includes the cause.

Action: Take appropriate action based on the cause given in the elog.

202,11,12**Failed to acquire a lock on the thread mutex.**

Cause: The `pthread_mutex_lock` system call failed. The corresponding elog message includes the cause.

Action: Take appropriate action based on the cause given in the elog.

202,11,13**Failed to release the lock of the thread mutex.**

Cause: The `pthread_mutex_unlock` system call failed. The corresponding elog message includes the cause.

Action: Take appropriate action based on the cause given in the elog.

202,11,18**Failed to send a signal to the thread.**

Cause: The `pthread_kill` system call failed. The corresponding elog message includes the cause.

Action: Take appropriate action based on the cause given in the elog.

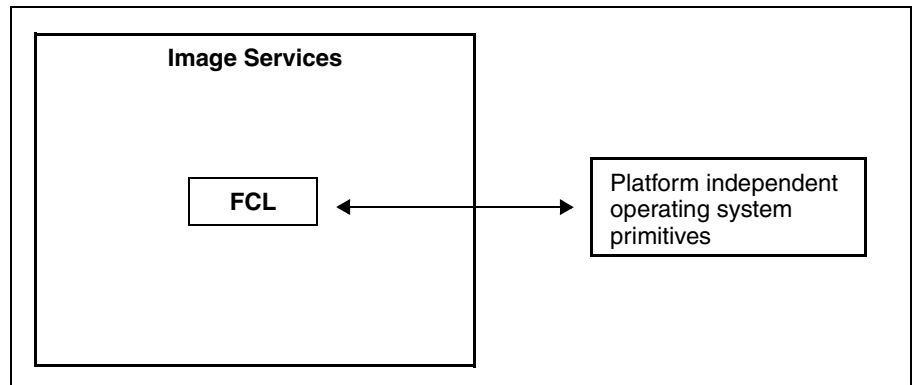
202,11,19**Failed to perform signal mask for the thread.**

Cause: The `pthread_sigmask` system call failed. The corresponding elog message includes the cause.

Action: Take appropriate action based on the cause given in the elog.

FCL (202) Messages

The FileNet Compatibility Layer (FCL) shared library provides platform-independent operating system primitives whose implementations vary from operating system to operating system. With the availability of these primitives, FileNet Image Services software is coded to a single, consistent interface that provides file and device services across all FileNet Image Services platforms. File and device services provided by FCL are the following: create and delete a file; open and close a file; rename a file; change the permission level of a file; start a new process, open and close a device; and execute an I/O operation on an open device.



FCL Shared Library Diagram

FCL shared library message codes begin with 202. Each entry has an error code, an error message, possible causes, and recommended action.

202,100,1**A version mismatch occurred attempting to link the FCL abstract.**

Cause: The FCL shared library version does not match what is required by a process that is using FCL.

Action: Use the stamp utility to check the FCL and program versions. Update to the latest fixpack to make sure all code modules are compatible.

202,100,2**An invalid option was passed to the FCL abstract**

Cause: An invalid option was given to some function in FCL. The invalid option might be due to a configuration problem or programming error.

Action: This is a generic error. The error message might specify what caused the problem.

202,100,3**The fork call failed in FCL_forkexec**

Cause: The operating system could not start a new process. The reason for the failure is indicated by the error number in the elog message.

Action: Consult the operating system documentation to lookup an explanation for the error number value given in the elog message. Take appropriate action based on the error number. For example, the maximum number of processes might need to be increased in the system configuration.

202,100,4**The exec call failed in FCL_forkexec - child will abort**

Cause: The operating system could not start a new process. The reason for the failure is indicated by the error number in the elog message.

Action: Consult the operating system documentation to lookup an explanation for the error number value given in the elog message. Take appropriate action based on the error number. For example, the maximum number of processes might need to be increased in the system configuration.

202,100,5**The CreateProcess call failed in FCL_forkexec**

Cause: The operating system could not start a new process. The reason for the failure is indicated by the error number in the elog message.

Action: Consult the operating system documentation to lookup an explanation for the GetLastError (error number) value given in the elog message. Take appropriate action based on the error number. For example, the executable file might be missing or permissions might not be set properly.

202,100,6**The wait call failed in FCL_forkexec**

Cause: A child process terminated with an error.

Action: The ELOG message includes the error or status of the failed child process. Look up this error in the system documentation and take appropriate action.

202,100,10**FCL: specified file, device or path does not exist.**

Cause: The missing file, device or path name is included with the message text in the system log. You might need to insert removable media or correct a faulty path specification.

On a system with MSAR, this message displays when an MSAR surface <n> file '<file name>' cannot be found. In this case, insert the correct MSAR file. This error ejects a surface and generates the above informational message.

Action: Look at the system log for more information. Insert the correct media or fix the path specification. On a system with MSAR, locate the correct MSAR surface file, then use Storage Library Control in Xapex to insert it.

202,100,11**Insufficient permission to open/read/write a file.**

Cause: The user does not have sufficient system permissions to perform the requested function. The failure might be due to the access rights of the file or device, or due to incorrect user attributes.

Action: Verify that the file has the correct permissions or device is setup properly. Verify that the user is a member of the proper groups.

202,100,12**FCL: Tried to rename/create a file to an existing filename.**

Cause: A attempt was made to overwrite a file that already exists.

Action: Check the elog message for details on the source and destination. It might be possible to remove or save the destination file manually and then resume normal operation.

202,100,13**FCL: Cannot rename a file across different devices.**

Cause: An attempt was made to rename a file to a different device. This might be due to an operator error or to an incorrect configuration.

Action: See the elog message for more information. If the detailed elog error message does not provide sufficient information to remedy the problem, contact IBM Software Support for assistance.

202,100,14**FCL: File operation failed - file has too many links**

Cause: An attempt was made to exceed the allowed number of file links. This might be due to an operator error or to an incorrect configuration.

Action: See the elog message for more information. If the detailed elog error message does not provide sufficient information to remedy the problem, contact IBM Software Support for assistance.

202,100,15**FCL: An invalid drive letter was specified.**

Cause: An invalid Windows disk drive letter was specified in the file path. This might be due to an operator error or to an incorrect configuration.

Action: See the elog message for more information. If the detailed elog error message does not provide sufficient information to remedy the problem, contact IBM Software Support for assistance.

202,100,16**FCL: Tried to manipulate a locked file**

Cause: An attempt was made to modify a file that is locked. This might be due to an operator error or to an incorrect configuration.

Action: See the elog message for more information. If the detailed elog error message does not provide sufficient information to remedy the problem, contact IBM Software Support for assistance.

202,100,17**FCL: Unknown error occurred trying to manipulate a file or device**

Cause: An operation on a file failed for an unknown reason.

Action: See the elog message for more information. If the detailed elog error message does not provide sufficient information to remedy the problem, contact IBM Software Support for assistance.

202,100,18**FCL: Invalid operation attempted on a file or device**

Cause: A system function was called with an invalid argument. The argument might refer to a resource that no longer exists.

Action: See the elog message for more information. If the detailed elog error message does not provide sufficient information to remedy the problem, contact IBM Software Support for assistance.

202,100,19**FCL: tried to perform an illegal operation on a directory**

Cause: An attempt was made to perform an illegal operation on a directory. This might be due to an operator error or incorrect configuration.

Action: See the elog message for more information. If the detailed elog error message does not provide sufficient information to remedy the problem, contact IBM Software Support for assistance.

- 202,100,20** **FCL: system wide file handle limit had been exceeded!**
- Cause:** The system limit on the number of open files was exceeded. System configuration values might be set too low.
- Action:** Use the detailed elog message to determine which system resource has been exceeded. Configure the system to increase that resource.
-
- 202,100,21** **FCL: per-process file handle limit had been exceeded!**
- Cause:** The system limit on the number of open files per process was exceeded. System configuration values might be set too low.
- Action:** Use the detailed elog message to determine which system resource has been exceeded. Configure the system to increase that resource.
-
- 202,100,22** **FCL: An invalid file descriptor was passed to an FCL function. This could be a file permission problem (i.e. Attempting to write to a Read-Only file).**
- Cause:** A system function was called with a bad file descriptor. This might be due to a programming or configuration error.
- Action:** Consult the elog for details on the problem.
-
- 202,100,23** **FCL: The requested device was busy.**
- Cause:** The device is performing other work at this time, and cannot perform the requested operation.
- Action:** Retry the operation when the device becomes available.

202,100,24**FCL: The requested device was not ready.**

Cause: The requested device could be powered off, in an offline condition, or otherwise not ready to perform the requested operation.

Action: Make the device ready and retry the operation.

202,100,25**FCL: The device appears to be broken**

Cause: The requested device is not operational.

Action: Check the device to determine if it is powered on and functioning properly.

202,100,26**FCL: Could not open the specified device**

Cause: The requested device cannot be opened.

Action: Check the device if it is properly configured or not available. Check if the user has permission to open the device.

202,100,27**FCL: Null function pointer passed to FCL_ftw**

Cause: The FCL_ftw function was called with a NULL pointer. This is due to a programming bug.

Action: Contact IBM Software Support for assistance.

202,100,28**FCL: An I/O error occurred**

Cause: A problem occurred during I/O to a file or device.

Action: Consult the specific error message in the elog file. This might indicate what caused the error, and provide direction on the action to take. If the problem persists, contact IBM Software Support for assistance.

202,100,29**FCL: Failed to set up dynamic link to shared library**

Cause: A dynamic link library failed to load properly.

Action: The name of the library is provided in the elog. Check that the library file has been installed properly.

202,100,30**FCL: FCL_write_large_file failed because no space left in directory**

Cause: The file system containing the specified directory ran out of space.

Action: Increase the file system space for the specified directory.

202,100,31**FCL: write failed because the file size exceeds the file size limit. Should consider increasing the fsizelimit**

Cause: A file size has exceeded the system file size limit.

Action: Increase the system configuration value for file size.

202,100,32**FCL: An Invalid file name is detected.**

Cause: An invalid file name was passed to FCL.

Action: Check the detailed elog error message. This might give information on which file name to change to fix the problem.

202,100,33

FCL: Network related problems are detected. Refer to sys_log for errno and details.

Cause: A network error occurred.

Action: Refer to the elog message for the specific network error. Perform network diagnostics as there might be a problem with the network itself.

202,100,34

FCL: failed to avoid opening stdout and stderr.

Cause: The stdout and stderr file descriptors could not be set.

Action: Make sure /dev/null is set correctly on UNIX systems and \\fnsw_loc\\tmp is setup on Windows systems.

202,100,35

FCL: Unknown user name or bad password. This error may be due to an incorrect user permission setup on the target device.

Cause: The user login name or password is invalid.

Action: Check the details in the elog message for the designated user name. Verify that the name is valid and has the correct password.

202,100,36

File does not have write permission set.

Cause: An attempt was made to write to a file that does not have write permission.

Action: Check the permissions for the file name as given in the elog message. Also check the user access permissions.

RDB (203) Messages

The Render Document Bitmap (RDB) shared library generates (renders) a bitmap of a FileNet document page for display at an image workstation or for printing. RDB performs such functions as data acquisition, memory allocation, and document retrieval during this process. Banded and tiled images can be rendered. A request for banded images results in the processing of only those bands which intersect the requested area. Tiled image rendering requests result in the rendering of all tiles which intersect the desired area.

This section has information about RDB error codes, which begin with “203.” Each entry has an error code, an error message, a possible cause, and an action.

- 203,4,1** **RDB: Bad parameters in calling sequence.**
Cause: The RDB function that was called is missing input arguments.
Action: Contact IBM Software Support for assistance.
- 203,4,2** **RDB: Insufficient number of callbacks supplied.**
Cause: The RDB function that was called has incomplete input arguments.
Action: Contact IBM Software Support for assistance.
- 203,4,3** **RDB: Unknown page type.**
Cause: The image page type is not valid or the image file is corrupted.
Action: Re-scan the image.
- 203,4,4** **RDB: Request for data failed.**
Cause: One or more functions that are required to obtain the image data failed.
Action: Review the elog file for information about resolving this problem. If necessary, contact IBM Software Support for assistance.

203,4,5**RDB: Request for data denied.**

Cause: One or more functions that are required to obtain the image data failed.

Action: Review the elog file for information about resolving this problem. If necessary, contact IBM Software Support for assistance.

203,4,7**RDB: Error linking abstracts.**

Cause: This error can occur for any of the following reasons:

- The version of the RDB shared library is incompatible with the program that is trying to link to it.
- The software installation was incomplete.
- A problem occurred during a single module update.

Action: Use the stamp tool to determine the current version of the RDB shared library. Reconstruct the shared library file by restoring your FileNet Release partition. If the problem persists, contact IBM Software Support for assistance.

203,4,11**RDB: The image resolution is not valid.**

Cause: The image resolution is not supported.

Action: Re-scan the image. COLD supports background templates that have a resolution of 100, 200, or 400 DPI.

203,4,12**RDB: The requested font does not exist.**

Cause: The font that is used for COLD documents is either missing or corrupted.

Action: Try the following actions:

- Change the font.
- Review the font configuration and correct it, if necessary.
- Reinstall the font.

203,4,13**RDB: The default font does not exist.**

Cause: The default font that is used for COLD documents is missing.

Action: Try the following actions:

- Review the font configuration and correct it, if necessary.
- Reinstall the font.

203,4,14**RDB: Bad interface level on link.**

Cause: The version of the RDB shared library is not compatible with the COLD applications.

Action: Check the stamps on the RDB shared library and the installed Xcold binary files, and reinstall compatible Xcold binary files.

203,4,15**RDB: Fail to create pix map.**

Cause: The image pixel map could not be created.

Action: Check the specifications for the image and use the IDM Desktop pagehdr program or another independent vendor software program to adjust the values accordingly.

203,4,16**RDB: The image could not be created.**

Cause: The image pixel map could not be created.

Action: Check the specifications for the image and use the IDM Desktop pagehdr program or another independent vendor software program to adjust the values accordingly.

203,4,17**RDB: Cannot read font family file.**

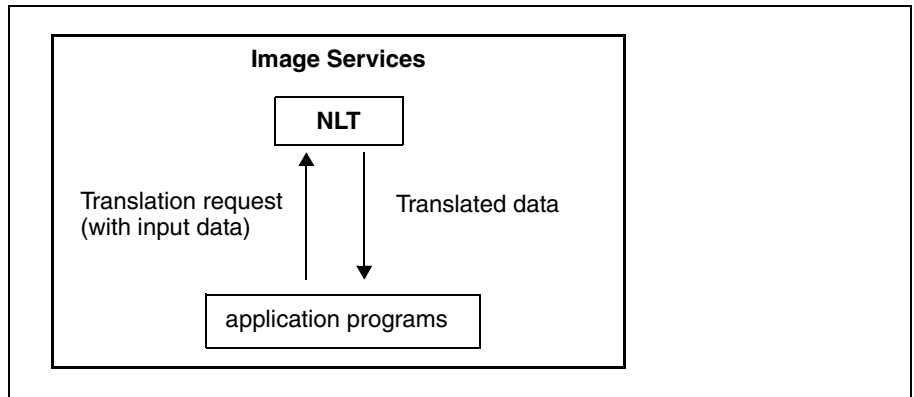
Cause: The file containing the font families could not be read.

Action: Review the elog file to determine the font family file name, and then confirm that the font family file exists and has the correct permissions.

NLT (204) Messages

The National Language Translation (NLT) shared library provides clients with a mechanism for converting character strings between different character sets. NLT also supports the use of user-defined translation maps. The logical character set types are as follows:

- Local (character set on the local host)
- Default
- Former character sets



NLT Shared Library Diagram

The system default character set is established at system configuration time, and identifies the character set of the Image Services system associated with an NLT session. This default character set is used for the communication between servers within an Image Services system.

The former character set is also established at system configuration time, but identifies the character set of the **original** Image Services system (the Image Services system where the characters were created). A typical use of the former system character set occurs when older media (prior to multiple character set support) is imported to a system where the local character set differs from the original character set. For example, when an optical disk created with the FileNet international character set is imported to a system using the ISO 8859-1 character set, NLT translates the data.

When a service sends strings across the network, the service translates the strings from the local character set to the default system character set. Upon receiving the strings from the network, the service translates the strings back to the local character set, from the default system character set.

If you are using user-defined translation maps, you must create the character translation maps in the appropriate directory (UNIX: /fnswh/local/nltmaps, Windows Server: \fnswh_loc\nltmaps). These translation files must be in binary format and 256 bytes in size. That is, the translation files are actual mappings from one character set to another. The application calls NLT to retrieve the map and translate the data.

This section has information about NLT error codes, which begin with "204." Each entry has an error code, an error message, a possible cause, and an action.

204,0,0**The NLT handle was invalid.**

Cause: An internal programming error occurred.

Action: Contact IBM Software Support for assistance.

204,0,1**NLT was unable to determine a system's default and former system character sets due to improper system configuration.**

Cause: An unsupported character set or no character set at all was configured for both the former and the default character sets that are configured under the fn_edit Systems Attribute tab.

Action: Use fn_edit to correct any configuration errors, and then retry the operation. If the problem persists, contact IBM Software Support for assistance.

204,0,2**One or more of the parameters are invalid, a required pointer was NULL.**

Cause: An application error occurred.

Action: Correct the error based upon the information that is in the event log, and then retry the operation.

204,0,3**NLT was unable to determine a system's default and former system character sets due to a network error.****Cause:** A network error occurred.**Action:** Fix the network problem based upon the information that is in the event log, and then retry the operation. If the problem persists, Contact IBM Software Support for assistance.**204,0,4****NLT was unable to perform the requested translation. Translation may not be possible between certain character sets.****Cause:** An 8-bit character does not have a corresponding character mapping.

For example, If two or more Image Services systems are configured for different and incompatible character sets such as Kanji and ISO-8859-1, a character mapping translation table will not exist because the two character sets cannot be mapped to each other.

When this scenario occurs, NLT passes the data characters through as is and this error occurs.

Action: Configure all Image Services systems so that they have compatible character sets, or the same default character set.

204,0,5**NLT currently does not provide a character mapping for the requested character sets.**

Cause: An unsupported character set mapping was requested, or the requested character set does not have a corresponding character mapping.

Action: See the System Configuration Tools online help for more information about the supported and default character sets.

204,0,6**Failed to get locale info properly.**

Cause: A problem occurred when obtaining the locale information.

Action: See the event log for information about the error. If needed, correct the error based upon the information that is in the event log.

204,0,7**Unsupported mask**

Cause: A problem occurred with the mask that was given to NLT.

Action: See the event log for information about the error. If needed, correct the mask error based upon the information that is in the event log.

204,0,8**The allocated space is too small to store the converted mask**

Cause: A date to time mask conversion for a FileNet mask failed because the size of the mask is too small.

Action: Correct the mask size.

204,0,9**Wrong abstract version was used linking to NLT**

Cause: A mismatch of Image Services software libraries is installed on the server. The expected version of the NLT library does not match the actual version.

Action: Install the correct version of Image Services as specified by the information that is in the event log.

204,0,10**Failed to allocate memory in NLT abstract.**

Cause: An error occurred when attempting to obtain more memory. This error can be caused by an internal programming error or by an insufficient amount memory.

Action: See the Event Log for information. If the problem is caused by an insufficient amount of memory, add more memory or reconfigure the system memory. Otherwise, contact IBM Software Support for assistance.

204,0,11**Internal error condition occurred in the NLT abstract**

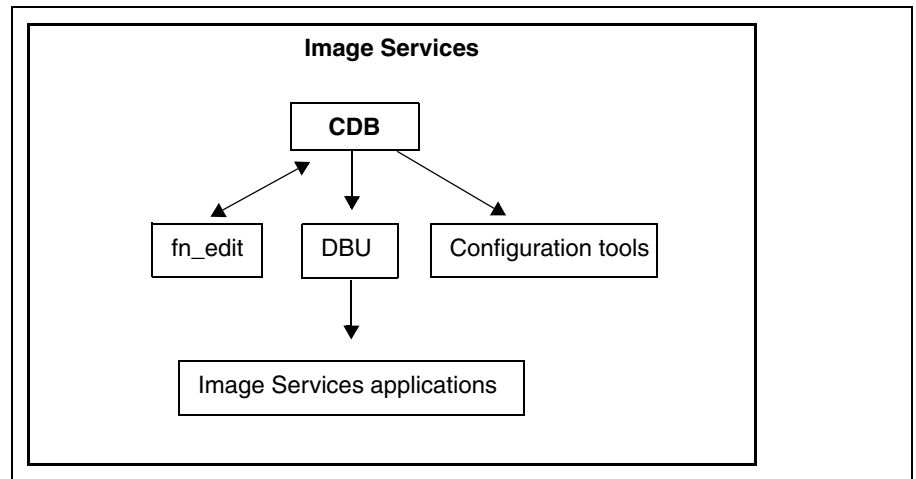
Cause: An internal programming error occurred.

Action: Contact IBM Software Support for assistance.

CDB (212) Messages

The Configuration Database (CDB) shared library stores information describing the current hardware, software, and network configuration of the FileNet Image Services system. The CDB shared library includes information on the entire domain of one or more servers.

Only `fn_edit` writes to the CDB shared library. The DBU shared library is the interface to non-configuration (non-SF) applications.



CDB Shared Library Diagram

CDB shared library message codes begin with 212. Each entry has an error code, an error message, possible causes, and recommended action.

212,0,1**CDB Error - Missing database file descriptor**

Cause: The current CDB file is not in the correct format. This can happen if the file was modified.

Action: Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.

212,0,2**CDB Error - Missing the \"table\" keyword in database file**

Cause: The current CDB file is not in the correct format. This can happen if the file was modified.

Action: Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.

212,0,3**CDB Error - Missing open bracket in database file**

Cause: The current CDB file is not in the correct format. This can happen if the file was modified.

Action: Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.

212,0,4**CDB Error - Missing \"data\" keyword in database file**

Cause: The current CDB file is not in the correct format. This can happen if the file was modified.

Action: Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.

212,0,5**CDB Error - Syntax error in column description**

Cause: The current CDB file is not in the correct format. This can happen if the file was modified.

Action: Revert to a previously saved CDB file. Run `fn_edit` to verify that the new CDB file is valid.

212,0,6**CDB Error - Syntax error in table data**

Cause: The current CDB file is not in the correct format. This can happen if the file was modified.

Action: Revert to a previously saved CDB file. Run `fn_edit` to verify that the new CDB file is valid.

212,0,7**CDB Error - Invalid field in the table.**

Cause: A required field was not found in the CDB. The current CDB file is not in the correct format. This can happen if the file was modified.

Action: Run `fn_migrate` or rebuild the CDB file. Verify that the new CDB file is valid.

212,0,8**CDB Error in database file**

Cause: The current CDB file is not in the correct format. This can happen if the file was modified.

Action: Revert to a previously saved CDB file. Run `fn_edit` to verify that the new CDB file is valid.

- 212,0,11** **CDB Error - Missing \"definition\" keyword in database file**
- Cause:** The current CDB file is not in the correct format. This can happen if the file was modified.
- Action:** Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.
-
- 212,0,12** **CDB Error - Column not found in the table**
- Cause:** The current CDB file is not in the correct format. This can happen if the file was modified.
- Action:** Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.
-
- 212,0,13** **CDB Error - Unknown column type**
- Cause:** The current CDB file is not in the correct format. This can happen if the file was modified.
- Action:** Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.
-
- 212,0,14** **CDB Error in getting value of a field**
- Cause:** The current CDB file is not in the correct format. This can happen if the file was modified.
- Action:** Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.

- 212,0,15** **CDB Error - Attribute must be of type \"system\", \"user\" or \"default\"**
- Cause:** The current CDB file is not in the correct format. This can happen if the file was modified.
- Action:** Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.
-
- 212,0,16** **CDB Error - Missing close bracket in the database file**
- Cause:** The current CDB file is not in the correct format. This can happen if the file was modified.
- Action:** Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.
-
- 212,0,17** **CDB Error - Missing quote character in the database file**
- Cause:** The current CDB file is not in the correct format. This can happen if the file was modified.
- Action:** Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.
-
- 212,0,18** **CDB Error - Unable to access or open the database file**
- Cause:** The current CDB file is not in the correct format. This can happen if the file was modified.
- Action:** Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.

212,0,19	CDB Error - Unable to access or open the spec file for migrate work Cause: The current CDB file is not in the correct format. This can happen if the file was modified. Action: Revert to a previously saved CDB file. Run fn_edit to verify that the new CDB file is valid.
212,0,22	CDB Error - Cannot create new row in memory Cause: There is not enough memory to allocate for the row. Action: Increase available memory then retry this command.
212,0,23	CDB Error - Cannot create new row instance in memory Cause: There is not enough memory to allocate for the row instance. Action: Increase available memory then retry this command.
212,0,24	CDB Error - Cannot create new column in memory Cause: There is not enough memory to allocate for the row column. Action: Increase available memory then retry this command.
212,0,25	CDB Error - Cannot create new cell list in memory Cause: There is not enough memory to allocate for the cell list. Action: Increase available memory then retry this command.

- 212,0,26** **CDB Error - Cannot create new cell in memory**
Cause: There is not enough memory to allocate for the cell list.
Action: Increase available memory then retry this command.
- 212,0,27** **CDB Error - Cannot create new column description in memory**
Cause: There is not enough memory to allocate for the column description.
Action: Increase available memory then retry this command.
- 212,0,38** **CDB Error - There is already a column with that name in the table**
Cause: The FN_MIG_1.CDB is bad. Was this file recently modified?
Action: Determine why this CDB is trying to add a column that already exists. Fix and retry this command.
- 212,0,39** **CDB Error - There is already a table with that name in the database**
Cause: The FN_MIG_1.CDB is bad. Was this file recently modified?
Action: Determine why this CDB is trying to add a table that already exists. Fix and retry this command.
- 212,0,50** **CDB Error - Query results in no match.**
Cause: Calling program cannot find the item in the CDB database.

Action: If there is a problem, run fn_migrate. This is often only a warning.

212,0,51**CDB Error - Table not found in the database**

Cause: The specified table cannot be found in the current CDB. The current CDB file is not in the correct format. This can happen if the file was modified.

Action: Check the log file to see which table cannot be found. If the table does exist in the CDB, contact IBM Software Support for assistance. Otherwise rebuild the CDB file. Verify that the new CDB is correct.

212,0,61**Error - Invalid column type given**

Cause: An invalid column type was found while inserting a new row into the CDB.

Action: This is an internal programming error. Contact IBM Software Support for assistance.

212,0,62**Error - This operation is not allowed in read-only mode**

Cause: An attempt was made to update the CDB file while the CDB was in a read-only state.

Action: Re-open the CDB file as writable and retry the operation. For some users, however, the CDB will ONLY open in read-only mode.

- 212,0,63** **Error - All available query contexts are in use**
Cause: The maximum number of software contexts are in use
Action: This is an internal programming error. Contact IBM Software Support for assistance.
- 212,0,65** **Error - Caller passed invalid or corrupted query context**
Cause: An invalid or corrupted software context was detected.
Action: This is an internal programming error. Contact IBM Software Support for assistance.
- 212,0,67** **CDB Error - Inconsistency in license and configuration database.**
Cause: License is out of date or wrong data in CDB.
Action: Run fn_edit to check CDB system parameters such as SSN, server type, services, and so forth. Run the following command to verify the license.

 lic_admin -r
- 212,0,72** **CDB Warning - There is no need to migrate.**
Cause: Attempt to run fn_migrate during an Image Services software upgrade when fn_migrate was not required.
Action: This is an informational message, a response is unnecessary.

- 212,0,73** **CDB Error - Could not determine local address.**
Cause: The IPv4 address in the CDB is not a valid syntax.
Action: Run `fn_edit` and correct the CDB file, then retry the command.
- 212,0,74** **CDB Error - System is set up for High-Availability mode.**
Cause: The CDB file cannot be imported, exported, or cloned on a High-Availability cluster system.
Action: These commands cannot be run. Contact IBM Software Support for assistance.
- 212,0,82** **CDB Error - Bad Msgtype from COR_ReceivingMsg.**
Cause: An invalid courier message type was received by CDB.
Action: Contact IBM Software Support for assistance.
- 212,0,83** **CDB Error - CDB_identity: Could not find a match in local address.**
Cause: The address of the local server cannot be found in the CDB.
Action: The system is not configured correctly. Ensure that the address of the local server is in the DNS table or in the hosts file.
- 212,0,84** **CDB Error - CDB_alloc_id: Only one row may be updated here. You are attempting to update more than that.**
Cause: An attempt was made to update multiple rows in the CDB. Only one row can be updated in a single CDB update.

Action: The current CDB might be corrupted. If it been updated manually, remove all manual updates and re-run the command.

212,0,85

CDB Error - The specified registry location cannot be found. See Syslog.

Cause: An expected value was not found in the registry. See syslog to determine the missing entry.

Action: The registry might have been corrupted or manually edited. Please ensure that the expected entry is in the registry.

212,1,4

FN_EDIT error - Cannot create new database, not a member of fnadmin group

Cause: Permission error occurred while trying to create a new CDB database. The user is not a member of the fnadmin group.

Action: You need to be a member of the fnadmin group to run this program.

212,1,5

FN_EDIT error - Cannot fill in selection for this box

Cause: XVT could not add entries to the specified drop-down list in the CDB. Check the message to determine which drop-down list failed.

Action: There could be a possible permission issue. If the problem persists, contact IBM Software Support for assistance.

- 212,1,6** **FN_EDIT error - Cannot update SERVER_Processes table - database is not being saved**
- Cause:** The fn_edit function failed while trying to update the CDB database.
- Action:** Look at the previous log messages to determine exactly what the failure was. Search the Action column for that particular error identifier.
-
- 212,1,9** **There was a configuration error with SOD devices. Possibly trying to use multiple drive types.**
- Action:** Reconfigure your SOD devices to use a single drive type. Multiple drive types per library are not supported.
-
- 212,1,10** **There was a configuration error with SOD drive. The SOD drive could not be found in the OSAR_Constants table in the CDB**
- Action:** Check that you are using a SOD drive supported by FileNet Image Services, and that the SOD drive has the proper vendor_id and product_id.
-
- 212,1,11** **There was a configuration error with SOD Library. The SOD library could not be found in the OSAR_Constants table in the CDB**
- Action:** Confirm that you are using a SOD library supported by FileNet Image Services, and that the SOD library has the proper vendor_id and product_id.

- 212,1,12** **The specified value is not a valid integer.**
Action: Use the fn_edit program to correct the entry and continue.
- 212,1,13** **The specified value is not a valid unsigned integer.**
Action: Use the fn_edit program to correct the entry and continue.
- 212,1,14** **The syntax for the rdb version must be digits separated by dots.**
Cause: The syntax for the Oracle or DB2 version number is not valid. The version number must include a specific number of digits separated by dots.
Action: Use the fn_edit program to correct the entry and continue. The syntax for Oracle Version should be: `###` or `####` or `#####`. The syntax for DB2 Version should be: `##`.
- 212,1,15** **The numeric value is out of the specified range. See sys-log for more details.**
Action: Use the fn_edit program to correct the entry and continue.
- 212,2,3** **fn_build Error - fn_build require fnop or fnadmin group membership**
Cause: The user account must be a member of the fnop group, the fnadmin group, or both.
Action: See the log file to determine the missing group membership. Add the user to the security group.

- 212,2,5** **fn_build Error - MKF Recovery Log smaller than minimum of 64 MB.**
- Cause:** The minimum recovery log size is 64 MB. The specified size in the CDB is too small.
- Action:** Change the recovery log size in the CDB to a value of 64 MB or greater. Then retry the command.
-
- 212,2,6** **fn_build Error - Oracle version is not set. Run fn_oracle version.**
- Cause:** The Oracle version field in the CDB contains a NULL value. A NULL value is not valid.
- Action:** Run 'fn_oracle version', then verify the proper Oracle version in the CDB.
-
- 212,2,7** **fn_build Error - SQL 2005 and up requires database type of MSODBC.**
- Cause:** SQL 2005 and later versions require ODBC configuration.
- Action:** Run fn_edit and configure the ODBC source, data_source_name, under the Relational Databases > RDB Objects tab.
-
- 212,2,8** **fn_build Error - FileNet-Controlled MSSQL cannot be a named instance and cannot be on a remote server.**
- Action:** If the instance is indeed a FileNet-control MSSQL, then re-configure MSSQL to be a local default instance.

- 212,2,9** **fn_build Error - The database_type found in the CDB (in SERVER_Rel_DB table) is not valid.**
- Cause:** The database_type value is invalid in the CDB.
- Action:** Run fn_edit to correct the database type.
-
- 212,2,51** **fn_build Warning - Setting max record types to 32 in CDB**
- Cause:** The max_record_types in the CDB is not set.
- Action:** No action is necessary.
-
- 212,2,52** **fn_build Warning - The specified MKF database block size is not valid.**
- Cause:** The specified MKF database block size must be a value in the range 1 - 16.
- Action:** Change the MKF database block size in the CDB to a value in the range 1 - 16. Then retry this command.
-
- 212,3,0** **fn_util Error - : Could Not Shutdown MKF Database.**
- Cause:** When trying to stop one of the MKF databases, the call to the MKF_shutdown function returned an error.
- Action:** Check the sys_log file to determine the reason for the failure. Attempt to correct the problem. Then retry the command.

- 212,3,1** **fn_util: The Relational Database is not valid or not supported.**
- Cause:** An invalid Relational Database was specified.
- Action:** Run the fn_edit program to correct the configuration and retry the command.
-
- 212,3,2** **fn_util: The MKF Database is not valid.**
- Cause:** An invalid MKF Database was specified.
- Action:** Run the fn_edit program to correct the configuration and retry the command.
-
- 212,3,3** **fn_util error - Not a member of required group.**
- Cause:** User is not a member of the dba or fnadmin group.
- Action:** Logon as the appropriate user.
-
- 212,3,4** **fn_util error - cannot initialize MKF database.**
- Cause:** Problem initializing the MKF database.
- Action:** Check the disk configuration and size configured in fn_edit, shared memory, and permissions.
-
- 212,3,5** **fn_util Error - : Cannot update Database.**
- Cause:** When trying to update one of the MKF databases, the call to the MKF_ddl -update function returned an error.

Action: Check the sys_log file to determine the reason for the failure. Check for permission issues. Attempt to correct the problem, then retry the command.

212,3,6**fn_util error - cannot startup MKF database.**

Cause: Problem with the MKF database.

Action: Run the MKF_debug program, and check permissions and group membership.

212,3,7**fn_util error - MKF_ddl failed, cannot update database.**

Cause: The MKF_ddl function call failed to update the database.

Action: Check the .ddl (Data Definition Language) file, check permissions, run the MKF_debug program, and run MKF_ddl manually.

212,3,8**fn_util error - Oracle error.**

Cause: An Oracle initialization, update, stop, or start failed.

Action: Check the oracle.log file for additional information.

212,3,9**fn_util Error - : Could not find Oracle library. Check oracle installation and permissions.**

Cause: Could not find the Oracle-supplied clntsh.o library.

Action: Check the Oracle installation and permissions.

- 212,3,10** **fn_util Error - : Failure to open Registry Key.**
Cause: The Registry key 'Version' could not be found for either FileNet Image Services, ISTK, or RAC. See syslog for more detail.
Action: Fix the registry, or re-install FileNet Image Services, then retry the command.
- 212,3,11** **Error - : Could not determine Image Services or Image Services Toolkit or IS Remote Admin Console version.**
Cause: Could not determine FileNet Image Services or FileNet Image Services Toolkit or FileNet Image Services Remote Admin Console version.
Action: Either the 'Version' entry cannot be found in the registry, or the value found is not a valid version number. Correct the version number and retry.
- 212,3,12** **fn_util Error - : Unexpected null pointer.**
Cause: An internal error occurred.
Action: This is an internal coding error. Contact IBM Software Support for assistance.
- 212,3,13** **fn_util Error - : Could not determine operating system version.**
Cause: Could not determine version number of the operating system.

Action: The operating system version could not be found in the registry. The operating system might not have been installed or upgraded correctly. Contact IBM Software Support for assistance.

212,3,14**fn_util Error - : Could not determine Oracle version.**

Cause: Could not determine the version number of Oracle.

Action: The Oracle version could not be found in the registry. Oracle may not have been installed or upgraded correctly. Contact IBM Software Support for assistance.

212,3,15**fn_util Error - : Could not determine MS-SQL version.**

Cause: Could not determine the version number of MSSQL.

Action: The MSSQL version could not be found in the registry. MSSQL might not have been installed or upgraded correctly. Contact IBM Software Support for assistance.

212,3,16**fn_util Error - : Invalid format for IS HFP entry in Registry**

Cause: Could not determine the Fix Patch version.

Action: Either the 'Version' entry cannot be found in the registry, or the value found is not a valid version number. Correct the version entry and retry.

212,3,17**fn_util Error - : Could not determine DB2 version.**

Cause: Could not determine the version number of DB2.

Action: The DB2 version could not be found in the registry. DB2 might not have been installed or upgraded correctly. Contact IBM Software Support for assistance.

212,3,18**fn_util Error - : DB2 Library not found. Check DB2 installation and permissions.**

Cause: Could not find the DB2-supplied library in the DB2 home directory.

Action: Either the CDB does not contain the correct DB2 home directory, or the DB2 home directory does not contain the DB2 library. Check the DB2 installation and permissions.

212,3,22**fn_util Error - : Could not find DB2_HOME.**

Cause: The DB2 home directory could not be found in the CDB database.

Action: Run 'fn_db2 home <path>' to set the DB2 home directory in the CDB. Retry the operation.

212,3,23**fn_util: Cannot access the specified file.**

Cause: The fn_util program failed while trying to open a local file. See syslog for the specific file.

Action: Check that the specified file exists and has the proper permissions. Retry the operation.

212,3,24**fn_util: Cannot change directory permissions.**

Cause: The fn_util program failed while trying to run fn_perm to change directory permissions.

Action: Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command.

212,3,25**fn_util: Cannot create the data source name. The command 'fn_msodbc create_data_source' failed**

Cause: The fn_util program failed while trying to run 'fn_msodbc create_data_source' to create a datasource.

Action: Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command.

212,3,27**fn_util: Failed while running fn_build.**

Cause: The fn_util program failed while running the fn_build program.

Action: Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command. Correct these problems and retry the operation.

212,3,28**fn_util: Failed while running dbupgrade.**

Cause: The fn_util program failed while running the dbupgrade program.

Action: Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command. Correct these problems and retry the operation.

- 212,3,29** **fn_util: Failed while running WQS_convert.**
- Cause:** The fn_util program failed while running the WQS_convert program.
- Action:** Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command. Correct these problems and retry the operation.
-
- 212,3,30** **fn_util: The specified service failed to stop.**
- Cause:** The fn_util program was unable to stop the SQL Service with the 'net stop' command.
- Action:** Check that the MSSQL service name is correct in the CDB database. Confirm that you have proper permissions to run this command. Stop the MSSQL service and re-run the fn_util program.
-
- 212,3,31** **fn_util: The specified service is not started. Please start service and re-run fn_util.**
- Cause:** The fn_util program was unable to start the SQL Service with the 'net start' command.
- Action:** Check that the MSSQL service name is correct in the CDB database. Confirm that you have proper permissions to run this command. Start the MSSQL service and re-run the fn_util program.
-
- 212,3,32** **fn_util: The command 'symlink' failed when trying to create SOD link.**
- Cause:** The fn_util program failed while trying to run 'symlink' to create a SOD link.

Action: Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command. Correct these problems and retry the operation.

212,3,33**fn_util: Cannot upgrade to ODBC. See syslog.**

Cause: The fn_util program failed while trying to run 'fn_msodbc upgrade_version' to switch the database type from MSSQL to MSODBC.

Action: Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command. Correct these problems and retry the operation.

212,3,34**fn_util: Cannot read registry value. See syslog.**

Cause: The fn_util program failed while trying to read a registry variable. The variable might be missing. See the syslog file to determine the registry value and path.

Action: Determine why the required registry value is not present. If safe to do so, create the value and restart the fn_util program.

initfns stop

212,6,1**fn_oracle called an internal routine with a bad parameter.**

Cause: An internal error occurred.

Action: This is an internal coding error. Contact IBM Software Support for assistance.

212,6,2**fn_oracle failed while running an oracle script.**

Cause: An attempt to run an FileNet Image Services generated Oracle script failed. See the syslog file for more information.

Action: From the syslog file, determine which script failed and check that the script contains valid instructions. Confirm that you have proper permissions. Check that you are running the expected version of Oracle.

212,6,3**The specified file does not exist.**

Cause: The global file, oracle.glob, is missing.

Action: Run the 'fn_build -a' command to rebuild that file and retry the operation.

212,6,4**fn_oracle: Path specified as Oracle home does not exist.**

Cause: The Oracle home directory, as listed in the CDB database, does not exist.

Action: Check that the Oracle home directory is correct in the CDB database. If not, run the fn_oracle <home-dir> command to set it. Check that the Oracle installation completed successfully.

212,6,5**fn_oracle: The oracle version number cannot be read or identified.**

Cause: The Oracle version number does not exist in the CDB database, or is not a valid version number.

Action: Check that the Oracle version number is correct in the CDB database. If not, run the `fn_oracle <version>` command to set it. Check that the Oracle installation completed successfully.

212,6,6

fn_oracle: The oracle version number cannot be parsed or is not valid.

Cause: The Oracle version number is not in a valid format.

Action: Check that the Oracle version number is correct in the CDB database. If not, run the `fn_oracle <version>` command to set it. Check that the Oracle installation completed successfully.

212,6,7

fn_oracle: The Oracle service cannot be deleted.

Cause: `fn_oracle` was not able to delete the Oracle service via 'net stop'.

Action: Check that the oracle service name is correct in the CDB database. Check that you have proper permissions to run this command. Please stop service and retry the command.

212,6,8

fn_oracle: The Oracle service cannot be created.

Cause: The `fn_oracle` program failed while running 'oradim' to create the Oracle service.

Action: Check that the Oracle service name is correct in the CDB database. Confirm that you have proper permissions to run this command.

- 212,6,9** **fn_oracle: The call to fn_build returned an error.**
Cause: The fn_util program failed while running the fn_build program.
Action: Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command. Correct these problems and retry the operation.
- 212,6,10** **fn_oracle: The call to INXdbgen returned an error.**
Cause: The fn_util program failed while running 'INXdbgen'.
Action: Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command. Correct these problems and retry the operation.
- 212,6,11** **fn_oracle: The call to wqs_table_gen returned an error.**
Cause: The fn_util program failed while running WQS_convert.
Action: Check previous messages in the syslog file for more details. Confirm that you have proper permissions to run this command. Correct these problems and retry the operation.
- 212,6,12** **fn_oracle: The call to mkdir returned an error.**
Cause: This command failed while trying to run 'mkdir' to create the directory that is specified in the message.
Action: Verify that you have permissions to run this command. Retry the operation.

212,6,13**fn_oracle: Oracle failed to start up.**

Cause: For FileNet-controlled Oracle, FileNet Image Services failed while trying to run the Oracle startup script.

Action: Ensure that Oracle is properly installed, and that FileNet Image Services is correctly configured. Retry the operation.

212,6,30**uccommon_mssql: The specified file is not found.**

Cause: The global file, SqlInstance.glob, is missing.

Action: Run the 'fn_build -a' tprogram o rebuild that file. Retry the operation.

212,6,31**uccommon_mssql: The SQL cmd is not recognized.**

Cause: The SQL Server is not installed or the SQL Server Tools\bin directory is missing from the environment PATH:

Action: Verify that SQL is properly installed and that the system configuration is correct. Retry the operation.

212,6,32**fn_mssql/fn_msodbc failed while running dbupgrade.**

Cause: The command failed while trying to run 'dbupgrade -c' to create the data source. See the previous log messages for more details on this failure.

Action: Correct the failure detailed in the previous log messages. Retry the operation.

- 212,6,33** **fn_mssql/fn_msodbc failed while running fn_build.**
- Cause:** The command failed while trying to run the fn_build program to create the global file specified in the message. See the previous log messages for more details on this failure.
- Action:** Correct the failure detailed in the previous log messages. Retry the operation.
-
- 212,6,34** **fn_msodbc Error - 'home' command failed.**
- Cause:** The specified home directory is not correctly formatted or does not exist. See the message for more details.
- Action:** Rerun this command with a valid and existing home directory.
-
- 212,6,50** **fn_db2 Error - DB2 command failed**
- Cause:** The specified DB2 home directory (or version number) is not correctly formatted or does not exist. See the message for more details.
- Action:** Rerun this command with a valid and existing home directory.
-
- 212,6,51** **fn_db2: INXdbgen failed. See log.**
- Cause:** The command failed while trying to run 'INXdbgen -f -m' to create INX tables. See the previous log messages for more details on this failure.
- Action:** Correct the failure detailed in the previous log messages. Retry the operation.

212,6,53**fn_db2: wqs_table_gen failed. See log.**

Cause: The command failed while trying to run 'wqs_table_gen' to create wqs tables. See the previous log messages for more details on this failure.

Action: Correct the failure detailed in the previous log messages. Retry the operation.

212,6,54**fn_db2: DB2 initialization failed. See log.**

Cause: The command failed while trying to initialize DB2. See the previous log messages for more details on this failure.

Action: Correct the failure detailed in the previous log messages. Retry the operation.

212,7,1**getfile(): an attempt to open and read the specified file failed**

Cause: The file specified in the syslog cannot be read. Either there was insufficient memory to open and read the file, or inadequate permissions to read the file.

Action: Check the size and permissions of the file to be read. If a problem is found, correct it and re-run the command. Otherwise IBM Software Support for assistance.

212,7,2

The `cfg_requirements` file in the release directory (`/fnsw/lib/cfg_verify`) has an older stamp than the one in the working directory (`/fnsw/local/sd/cfg_verify`). If the software release on the server has been downgraded, it is recommended you manually copy the released file to the working directory, then make any local modifications to that copy.

Cause: The `cfg_requirements` file in the release directory (`/fnsw/lib/cfg_verify`) has an older time stamp than the one in the working directory (`/fnsw/local/sd/cfg_verify`).

Action: If the software release on the server has been downgraded, then manually copy the released file to the working directory and make any local modifications to that copy.

212,7,3

The `cfg_requirements` file in the release directory (`/fnsw/lib/cfg_verify`) has been modified. Local modifications should only be made to `/fnsw/local/sd/cfg_verify/cfg_requirements`.

Cause: The `cfg_requirements` file in the release directory (`/fnsw/lib/cfg_verify`) has been modified. Modifications should only be made to the file in the local directory `/fnsw/local/sd/cfg_verify/cfg_requirements`.

Action: Revert back to the released `cfg_requirements` file in the release directory (`/fnsw/lib/cfg_verify`). Make your modifications to the `cfg_requirements` file in the local directory (`/fnsw/local/sd/cfg_verify`). Retry the operation.

212,7,4**An attempt to unlink a temporary file failed.**

Cause: Unable to unlink the temporary file. The file name is shown in the sys_log file.

Action: There could be a possible permission issue. Otherwise this is an internal coding error. Contact IBM Software Support for assistance.

212,7,5**An attempt to copy a file failed**

Cause: Unable to copy a file. The file name is shown in the sys_log file.

Action: There could be a possible permission issue. Otherwise this is an internal coding error. Contact IBM Software Support for assistance.

212,7,6**The only function allowed in a cfg_requirements file is assert()**

Cause: Unable to copy a file. The file name is shown in the sys_log file.

Action: This is an internal coding error. Contact IBM Software Support for assistance.

212,7,7**The current system configuration does not meet the specified requirements. The logged message provides the name and value of the misconfigured parameter.**

Cause: Your current system configuration does not meet the specified requirements. The logged message(s) provides the name and value of the misconfigured parameter.

Action: Correct your system configuration, then re-run this command.

212,7,8

An invalid internal state has been detected. Please try to resolve any related cfg_verify errors.

Cause: An invalid internal state has been detected.

Action: This is an internal coding error. Contact IBM Software Support for assistance.

212,7,9

A name was used in an expression without having first been assigned a value.

Cause: An internal error occurred. A name was used in an expression without having first been assigned a value.

Action: This is an internal coding error. Contact IBM Software Support for assistance.

212,7,10

The cfg_gen program returned an error

Cause: A failure occurred in cfg_gen while trying to update the current configuration file (/fnsf/local/sd/cfg_verify/cfg_current).

Action: Make sure that the file /var/sam/boot.config exists, then retry the command.

212,7,12

The malloc() function failed, is the system out of memory?

Cause: The memory allocation function failed. Check if the system is out of memory.

Action: Increase available memory, then rerun the command.

212,7,13

The expression uses an operator incompatible with string operands. The valid string operators are ==, !=, <, <=, > and >=

Cause: An internal error occurred.

Action: This is an internal coding error. Contact IBM Software Support for assistance.

212,7,14

The expression uses an invalid unary operator. The valid unary operators are !, - and ~

Cause: An internal error occurred.

Action: This is an internal coding error. Contact IBM Software Support for assistance.

212,7,15

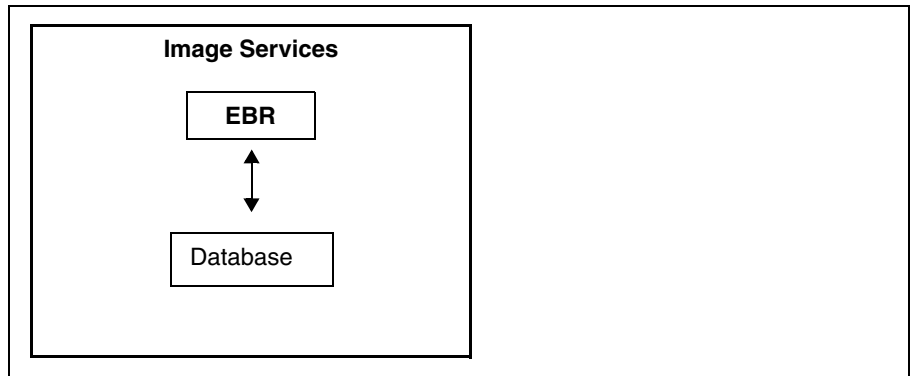
The given file contained a syntax error. Please resolve it and try again.

Cause: The specified file contained a syntax error. Check the syslog file to determine the offending file.

Action: Correct the syntax error and try the operation again.

EBR (222) Messages

The Enterprise Backup and Restore (EBR) shared library provides backup and restore functionality for the FileNet Image Services software.



EBR Shared Library Diagram

EBR shared library error messages begin with 222. The following paragraphs provide information on selected error messages. Each description lists the error message number, message text, possible causes, and recommended actions.

222,0,1002	EBR: out of memory Cause: System is out of memory. Action: Add memory.
222,0,1003	EBR: illegal parameter. Cause: An invalid command line parameter was specified. Action: Specify a valid command line parameter.
222,0,1004	EBR: no command line parameter to substitute for an EBR script parameter variable. Cause: Possible EBR script error. Action: Check script parameter variables defined in the EBR script. Verify that command line parameter substitution is correct.
222,0,1005	EBR: syntax error in script. Cause: There is a syntax error in the EBR script. Action: Refer to the system log for a detailed error message.
222,0,1006	EBR: backup or restore operation failed due to previous error. Cause: Previous error occurred. Action: Check syslog for description of an error that occurred previously.

222,0,1007	EBR: Failed to open EBR script file. Refer to syslog for errno. Cause: Incorrect script file name specified. Action: Verify the script file name.
222,0,1008	EBR: script too small to be legal. Cause: The EBR script size is too small to contain a valid script. Action: Verify the EBR script.
222,0,1009	EBR: read error on script file. Cause: Encountered an error reading the EBR script file. Action: Refer to the system log for a detailed error message.
222,0,1011	EBR: script parameter format: first character after \$ must be letter. Cause: There is a format error in the EBR script. The first character after the \$ character is not a letter. Action: Correct the format.
222,0,1012	EBR: #include is the only preprocessor directive implemented. Cause: The format of the #include directive in the EBR script is incorrect. Action: Contact IBM Software Support for assistance.

- 222,0,1013** **EBR: syntax error in #include 'filename' preprocessor directive.**
Cause: There is a syntax error in the EBR script involving the #include directive.
Action: Refer to the system log for a detailed error message.
- 222,0,1015** **EBR: lseek error on file.**
Cause: An lseek error occurred with the include file.
Action: Refer to the system log for a detailed error message.
- 222,0,1016** **EBR: read error on file.**
Cause: An read error occurred with the include file.
Action: Refer to the system log for a detailed error message.
- 222,0,1017** **EBR: error opening include file.**
Cause: An error occurred while opening the include file.
Action: Refer to the system log for a detailed error message.
- 222,0,1018** **EBR: assertion failure.**
Cause: A processing error has occurred.
Action: Refer to the system log for a detailed error message.

222,0,1020	EBR: backup started Cause: The back up has started. Action: Informational message only.
222,0,1021	EBR: backup terminated with no errors Cause: The back up terminated without any errors. Action: Informational message only.
222,0,1022	EBR: backup terminated unsuccessfully. Cause: The backup terminated with errors. Action: Refer to the system log for a detailed error message.
222,0,1023	EBR: restore started Cause: The restore procedure has started. Action: Informational message only.
222,0,1024	EBR: restore completed with no errors Cause: The restore procedure has completed without errors. Action: Informational message only.
222,0,1025	EBR: restore terminated unsuccessfully. Cause: The restore terminated with errors.

Action: Refer to the system log for a detailed error message.

**222,0,1026 EBR: Delayed start time for backup already passed.
Backup aborted.**

Cause: The specified delayed start time has already passed.

Action: Specify a valid delayed start time.

222,0,1027 EBR: Invalid delayed start time.

Cause: The delayed start time specified is invalid.

Action: Specify a valid delayed start time.

222,0,1028 EBR: Tab characters are illegal in script files.

Cause: The script contains one or more tab characters. Tab characters are illegal.

Action: Remove the tab character(s) from the script.

222,0,2002 BRD: abst_link() caller passed illegal interface level

Cause: A serious error occurred.

Action: Contact IBM Software Support for assistance.

**222,0,2003 BRD: received illegal message type after issuing COR_
ReceiveMsg**

Cause: A serious error occurred.

Action: Contact IBM Software Support for assistance.

222,0,2005	BRD: BRD_put_block called too many times. Cause: BRD_put_block was called more times than allowed. This is an internal error. Action: Contact IBM Software Support for assistance.
222,0,2006	BRD: bad remote procedure number. Cause: A bad remote procedure number was passed to BRD. This is an internal error. Action: Contact IBM Software Support for assistance.
222,0,2008	BRD: mkey_sz de-serialized as <= 0. Cause: A bad master key was encountered by BRD. Action: Contact IBM Software Support for assistance.
222,0,2009	BRD: assertion failure. Cause: A processing error has occurred. Action: Refer to the system log for a detailed error message.
222,0,2010	BRD: bad magic number. Cause: BRD encountered a handle with a corrupt magic number. Action: Contact IBM Software Support for assistance.
222,0,2011	BRD: null handle. Cause: BRD encountered a null handle.

Action: Contact IBM Software Support for assistance.

222,0,2012

BRD: illegal protocol format level.

Cause: BRD encountered an illegal protocol format level.

Action: Contact IBM Software Support for assistance.

222,0,2013

BRD: status interrupt.

Cause: This is an internal error.

Action: Contact IBM Software Support for assistance.

222,0,3002

BRDI: abst_link() caller passed illegal interface level

Cause: A serious error occurred.

Action: Contact IBM Software Support for assistance.

222,0,3003

BRDI: bad checksum.

Cause: BRD_put_block: block checksum error.

Action: Contact IBM Software Support for assistance.

222,0,3004

BRDI: illegal starting block sequence number to BRDI_get_block.

Cause: BRDI encountered an illegal starting block sequence number.

Action: Contact IBM Software Support for assistance.

- 222,0,3006** **BRDI: BRDI_get_block asked for block beyond end.**
Cause: The next block was requested when there is no next block.
Action: Contact IBM Software Support for assistance.
- 222,0,3007** **BRDI: BRDI_get_block: wrong block sequence number requested.**
Cause: The wrong block sequence number was requested.
Action: Contact IBM Software Support for assistance.
- 222,0,3008** **BRDI: BRDI_put_block asked to put block beyond EOF.**
Cause: An attempt was made to put a block beyond EOF.
Action: Contact IBM Software Support for assistance.
- 222,0,3009** **BRDI: lseek before read error.**
Cause: A seek error occurred on a file.
Action: Contact IBM Software Support for assistance.
- 222,0,3010** **BRDI: disk read error.**
Cause: A disk read error occurred on a file.
Action: Contact IBM Software Support for assistance.

222,0,3012	BRDI: bad dataset number. Cause: A bad dataset number was encountered. Action: Contact IBM Software Support for assistance.
222,0,3013	BRDI: bad dataset type. Cause: A bad dataset type was encountered. Action: Contact IBM Software Support for assistance.
222,0,3014	BRDI: null handle passed to dealloc handle. Cause: An attempt was made to perform a dealloc on a null handle. Action: Contact IBM Software Support for assistance.
222,0,3015	BRDI: bad magic number when deallocating handle. Cause: The handle structure might be corrupted. Action: Contact IBM Software Support for assistance.
222,0,3016	BRDI: brcl_enq_bcb: nextx != NULLX. Cause: A fatal internal error was encountered. Action: Contact IBM Software Support for assistance.
222,0,3017	BRDI: blocks generated not in sequence. Cause: Encountered blocks that are out of sequence.

Action: Contact IBM Software Support for assistance.

222,0,3019

BRDI: First MKF partition to be backed up is not an MKF base data file.

Cause: The MKF partition to be backed up is not a valid MKF base data file.

Action: Contact IBM Software Support for assistance.

222,0,3020

BRDI: MKF addresscheck error: A block has incorrect self address.

Cause: Bad block address encountered in MKF file.

Action: Contact IBM Software Support for assistance.

222,0,3021

BRDI: decompressed buffer not integral number of MKF blocks.

Cause: MKF buffer decompression corruption detected.

Action: Contact IBM Software Support for assistance.

222,0,3026

BRDI: MKF tape directory format level mismatch.

Cause: A serious error occurred.

Action: Contact IBM Software Support for assistance.

222,0,3027	BRDI: MKF aborted transaction id list: magic number error. Cause: An MKF transaction was aborted due to detection of a corrupt id list. Action: Contact IBM Software Support for assistance.
222,0,3029	BRDI: disk read error. Cause: A disk read error occurred on a file. Action: Contact IBM Software Support for assistance.
222,0,3031	BRDI: disk write error. Cause: A disk write error occurred on a file. Action: Contact IBM Software Support for assistance.
222,0,3032	BRDI: MKF block sequence on interval backup media is not in increasing order. Cause: The backup media is corrupted. Action: Contact IBM Software Support for assistance.
222,0,3033	BRDI: bad magic number for MKF dataset directory Cause: The MKF dataset directory is corrupted. Action: Contact IBM Software Support for assistance.

- 222,0,3034** **BRDI: file creation error.**
Cause: Failed to create file.
Action: Refer to the **errno** in the Event Log.
- 222,0,3035** **BRDI: recovery log chunk size not a multiple of MKF block size.**
Cause: The chunk size of the MKF recovery log is not a multiple of MKF block size.
Action: This is a serious error, contact IBM Software Support for assistance.
- 222,0,3036** **BRDI: brcl_bu_mkf: illegal backup mode.**
Cause: An internal error was encountered. The backup mode was invalid or illegal.
Action: Contact IBM Software Support for assistance.
- 222,0,3037** **BRDI: a pointer to a buffer control block was erroneously null.**
Cause: A corrupted pointer to a control block buffer was detected.
Action: Contact IBM Software Support for assistance.

- 222,0,3038** **BRDI: base interval bsn = 0: must make full backup before interval backup.**
- Cause:** An attempt was made to perform an interval backup before a full backup was done.
- Action:** A full backup must be done before an interval backup can be performed.
-
- 222,0,3039** **BRDI: assertion violated. See error log.**
- Cause:** A processing error has occurred.
- Action:** Refer to the system log for a detailed error message.
-
- 222,0,3040** **BRDI: error opening partition.**
- Cause:** Error encountered opening an MKF partition file.
- Action:** Refer to the system log for a detailed error message.
-
- 222,0,3041** **BRDI: error opening file.**
- Cause:** File open error encountered.
- Action:** Refer to the system log for a detailed error message.
-
- 222,0,3042** **BRDI: mismatch on data chunk magic number.**
- Cause:** Corrupt data chunk encountered.
- Action:** Contact IBM Software Support for assistance.

222,0,3043	BRDI: mismatch on data chunk format level. Cause: Corrupt data chunk encountered. Action: Contact IBM Software Support for assistance.
222,0,3044	BRDI: tape partition index mismatch. Cause: Detect corrupted tape partition index. Action: Contact IBM Software Support for assistance.
222,0,3046	BRDI: block number < base of partition. Cause: Corrupt data encountered. Action: Contact IBM Software Support for assistance.
222,0,3047	BRDI: restore/reconfigure: restored data overflowed target database. Cause: During a restore or reconfigure operation, a read or write operation overflowed the database file. Action: Contact IBM Software Support for assistance.
222,0,3048	BRDI: restore/reconfigure: disk read error. Cause: During a restore or reconfigure operation a read or write error occurred. Action: Contact IBM Software Support for assistance.

- 222,0,3049** **BRDI: restore full backup: unknown data partition type.**
Cause: Corrupt data partition type data.
Action: Contact IBM Software Support for assistance.
- 222,0,3050** **BRDI: restore/reconfigure: target database incompatible with backed up database.**
Cause: You cannot restore a backed up database, or reconfigure a backed up database into an incompatible target database.
Action: Ensure the target database parameters match the backed up database.
- 222,0,3051** **BRDI: restore: base file name on tape mismatch name in script.**
Cause: MKF base file name mismatch on tape.
Action: Contact IBM Software Support for assistance.
- 222,0,3052** **BRDI: cannot use 'reconfigure' option on restore of interval backups. Can only use it on restoring full backups.**
Cause: Use of the 'reconfigure' option on restore of interval backups is not allowed.
Action: Use it on restoring full backups only.

- 222,0,3053** **BRDI: error getting file status.**
Cause: Encountered error retrieving file status.
Action: Refer to the system log for a detailed error message.
- 222,0,3056** **BRDI: invalid data offset range.**
Cause: Invalid data offset range encountered.
Action: Contact IBM Software Support for assistance.
- 222,0,3057** **BRDI: decompressed buffer not multiple of block.**
Cause: Corrupt decompressed buffer detected.
Action: Contact IBM Software Support for assistance.
- 222,0,3058** **BRDI: invalid end-of-dataset header.**
Cause: Corrupt dataset header detected.
Action: Contact IBM Software Support for assistance.
- 222,0,3059** **BRDI: master key size incorrect.**
Cause: Corrupt master key size detected.
Action: Contact IBM Software Support for assistance.

- 222,0,3060** **BRDI: System must be offline for restores and for offline backups!**
Cause: The system was online for a restore or offline backup.
Action: Take the system offline.
- 222,0,3061** **BRDI: fork() failed.**
Cause: A fork() call failed.
Action: Refer to the system log for a detailed error message.
- 222,0,3062** **BRDI: CreateThread() failed.**
Cause: A thread create call failed.
Action: Refer to the system log for a detailed error message.
- 222,0,4002** **BRCD: invalid handle passed in.**
Cause: A bad handle was encountered.
Action: Contact IBM Software Support for assistance.
- 222,0,4003** **BRCD: BRCD_compress: output buffer < BRCD_PAD bytes. BRCD_decompress: output buffer too small to hold the uncompressed data. These are defined to be client programming errors.**
Cause: An internal error was encountered. The BRCD decompression output buffer was too small.

Action: Contact IBM Software Support for assistance.

222,0,4004

BRCD: source length too small.

Cause: BRCD compression source buffer length is too small.

Action: Contact IBM Software Support for assistance.

222,0,4006

BRCD intermediate decompressed length too large.

Cause: BRCD decompression overran the output buffer.

Action: Contact IBM Software Support for assistance.

222,0,4009

BRCD.i: unacceptable interface level.

Cause: An invalid interface level attempted to link with BRCD.

Action: Contact IBM Software Support for assistance.

222,0,4012

BRCD: insufficient main memory available.

Cause: Encountered error allocating memory.

Action: Verify OS memory configuration. Refer to the syslog for details.

222,0,4015

BRCD: bad size for dynamic area request.

Cause: An error occurred because a memory request was too large.

Action: Contact IBM Software Support for assistance.

- 222,0,4016** **BRCD: GlobalLock failed.**
Cause: Memory global lock failed.
Action: Refer to the system log for a detailed error message.
- 222,0,4017** **BRCD: retmem: passed zero pointer.**
Cause: A null pointer was passed to a memory retrieval routine.
Action: Contact IBM Software Support for assistance.
- 222,0,4018** **BRCD: GlobalFree returned err.**
Cause: An error occurred while freeing global memory.
Action: Contact IBM Software Support for assistance.
- 222,0,4022** **BRCD: error calling GlobalUnlock.**
Cause: An error occurred while unlocking global memory.
Action: Contact IBM Software Support for assistance.
- 222,0,4023** **BRCD: decompressed length neq decomp len in header.**
Cause: Encountered data decompression error.
Action: Contact IBM Software Support for assistance.

222,0,4024	BRCD: sizeof(BR_tape_block-ty) must be multiple of 256 longwords. Cause: Tape data integrity error. Action: Contact IBM Software Support for assistance.
222,0,4025	BRCD: assertion failure. Cause: A processing error has occurred. Action: Refer to the system log for a detailed error message.
222,0,4026	BRCD: on decompression, compressed data did not start with magic number. Cause: Data compression corruption detected. Action: Contact IBM Software Support for assistance.
222,0,4027	BRCD: BRCD_compress: The compressed data will not fit in the destination buffer. Cause: The compression data has overrun the buffer. Action: Contact IBM Software Support for assistance.
222,0,4028	BRCD: BRCD_compress: unknown compression algorithm number passed in. Cause: The compression algorithm number was not recognized. Action: Contact IBM Software Support for assistance.

- 222,0,6002** **BRT: abst_link() caller passed illegal interface level.**
Cause: An invalid interface level attempted to link with BRT.
Action: Contact IBM Software Support for assistance.
- 222,0,6003** **BRT: bad message type received.**
Cause: Bad message type received during network transmission.
Action: Contact IBM Software Support for assistance.
- 222,0,6005** **BRT: bad remote procedure number.**
Cause: Bad remote procedure number received during network transmission.
Action: Contact IBM Software Support for assistance.
- 222,0,6006** **BRT: assertion failure.**
Cause: A processing error has occurred.
Action: Contact IBM Software Support for assistance.
- 222,0,6007** **BRT: illegal master key size.**
Cause: Corrupt master key size detected.
Action: Contact IBM Software Support for assistance.

222,0,6008	BRT: illegal protocol format level. Cause: Illegal protocol format level encountered during network transmission. Action: Contact IBM Software Support for assistance.
222,0,7002	BRTI: abst_link() caller passed illegal interface level. Cause: An invalid interface level attempted to link with BRTI. Action: Contact IBM Software Support for assistance.
222,0,7003	BRTI: disk write error. Cause: Encountered a disk write error. Action: Refer to the system log for a detailed error message.
222,0,7004	BRTI: disk file open error. Cause: Encountered disk file open error. Action: Refer to the system log for a detailed error message.
222,0,7005	BRTI: illegal work queue entry. Cause: Illegal work queue entry encountered. Action: Contact IBM Software Support for assistance.

222,0,7006**BRTI: illegal tape operation.**

Cause: Illegal tape operation was attempted.

Action: Contact IBM Software Support for assistance.

222,0,7007**BRTI: fork() failed.**

Cause: BRTI process fork failed.

Action: Contact IBM Software Support for assistance.

222,0,7008**BRTI: retry limit exceeded.**

Cause: BRTI network disk-client process backup retry limit has been reached.

Action: Verify network stability. Refer to the system log for details. Retry the operation.

222,0,7009**BRTI: checksum error.**

Cause: BRTI has encountered a tape block checksum error.

Action: Contact IBM Software Support for assistance.

222,0,7010**BRTI: incorrect block requested.**

Cause: BRTI network disk-client process has encountered an out of sequence block.

Action: Contact IBM Software Support for assistance.

- 222,0,7013** **BRTI: EOF value error.**
Cause: BRTI network disk-client process encountered an unexpected end-of-file.
Action: Contact IBM Software Support for assistance.
- 222,0,7015** **BRTI: threadx out of range.**
Cause: A process or thread ID was out of range.
Action: Contact IBM Software Support for assistance.
- 222,0,7016** **BRTI: eof flag not set in last data block.**
Cause: BRTI end-of-file flag was not set in last data block. Data might be corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,7017** **BRTI: eof flag set in non-last data block.**
Cause: BRTI end-of-file flag was set in a non-last data block. Data might be corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,7018** **BRTI: first op on restore NE BEGIN_DATASET.**
Cause: BRTI network disk-client process detected that the first restore operation message is incorrect. It should be: BEGIN_DATA_SET.
Action: Contact IBM Software Support for assistance.

222,0,7019	BRTI: unexpected msg op. Cause: BRTI network disk-client process encountered an unexpected operation message. Action: Contact IBM Software Support for assistance.
222,0,7021	BRTI: block read was shorter than expected. Cause: The block read was shorter than expected. Action: Contact IBM Software Support for assistance.
222,0,7023	BRTI: illegal server type. Cause: An illegal server type was passed to BRTI. Action: Contact IBM Software Support for assistance.
222,0,7024	BRTI: internal exception condition only. Just read a tape mark. Cause: An internal error has occurred. Unexpected end-of-tape was reached. Action: Contact IBM Software Support for assistance.
222,0,7026	BRTI: brtl_re_next_tape_block: bsn decreased. Cause: The block sequence number decreased erroneously. Action: Contact IBM Software Support for assistance.

222,0,7027	BRTI: block index not what is expected. Cause: Encountered unexpected block index. Action: Contact IBM Software Support for assistance.
222,0,7028	BRTI: num_data or num_ecc in block header incorrect. Cause: Block header data corruption was detected. Action: Contact IBM Software Support for assistance.
222,0,7029	BRTI: bsn not found in group array. Cause: Block sequence number is out of sequence in an internal array. Action: Contact IBM Software Support for assistance.
222,0,7030	BRTI: illegal block type. Cause: An illegal block type was encountered. Action: Contact IBM Software Support for assistance.
222,0,7031	BRTI: data block not sent. Cause: Block data expected was never sent. Action: Contact IBM Software Support for assistance.
222,0,7032	BRTI: send non-data block over network. Cause: A non-data block was sent over the network.

Action: Contact IBM Software Support for assistance.

222,0,7033

BRTI: duplicate bsn.

Cause: A duplicate block sequence number was detected.

Action: Contact IBM Software Support for assistance.

222,0,7034

BRTI: more than one data block has eof_flag set.

Cause: More than one data block contains the end-of-file flag.

Action: Contact IBM Software Support for assistance.

222,0,7035

BRTI: restore: ECC recovery failed -- too many errors.

Cause: ECC recovery has reached the error limit.

Action: Refer to the system log for a detailed error message.

222,0,7036

BRTI: restore: read past end of input file.

Cause: Restore read past the end of the input file.

Action: Contact IBM Software Support for assistance.

222,0,7043

BRTI: assertion failure.

Cause: A processing error occurred.

Action: Refer to the system log for a detailed error message.

- 222,0,7044** **BRTI: internal exception only: end of tape encountered.**
Cause: An internal error occurred. Unexpected end-of-tape was reached.
Action: Contact IBM Software Support for assistance.
- 222,0,7046** **BRTI: tape has no readable valid volume labels.**
Cause: The tape contains no readable valid volume label or the disk file size is zero.
Action: Verify the tape media or the disk data.
- 222,0,7047** **BRTI: dataset has no readable valid dataset label blocks.**
Cause: Valid for dataset labels for restore could not be found.
Action: Contact IBM Software Support for assistance.
- 222,0,7049** **BRTI: Backup tape has not yet expired. May not be over-written.**
Cause: The backup tape has not expired. It should not be overwritten at this time.
Action: See the system log for information on the expiration time.
- 222,0,7050** **BRTI: Wrong tape mounted.**
Cause: The wrong tape is mounted.

Action: Mount the correct tape.

222,0,7051

BRTI: illegal master key size.

Cause: Corrupt master key size detected.

Action: Contact IBM Software Support for assistance.

222,0,7052

BRTI: unknown units (days, weeks, months, etc.) for expiration.

Cause: Invalid tape expiration units encountered.

Action: Contact IBM Software Support for assistance.

222,0,7053

BRTI: volume label block expected.

Cause: Expect volume label data was not received.

Action: Contact IBM Software Support for assistance.

222,0,7054

BRTI: current tape does not belong to the list of tapes in the volume.

Cause: Incorrect tape inserted in tape drive.

Action: Insert the correct tape.

222,0,7055

BRTI: dataset part ID on tape does not match the dataset part ID defined in the EBR script.

Cause: A dataset can be striped into n parts. Each part is backed up or restored by a thread. During the restore, if the part ID recorded on

the backup media does not match the part ID defined in the EBR script thread section, EBR aborts the operation.

Action: Check the restore script for errors.

222,0,7056

BRTI: number of dataset parts on tape does not match the number of dataset parts defined in the EBR script.

Cause: This error occurs when dataset was backed up in n parts (stripes), but you attempted to restore as a different number of parts (stripes).

Action: Check the restore script for errors.

222,0,7057

BRTI: dataset to be restored not on the tape. Cannot restore it.

Cause: The dataset cannot be restored because it is not on the tape.

Action: Refer to the system log for a detailed error message.

222,0,7058

BRTI: tape device name too long.

Cause: The tape device name length exceeded the maximum tape device name length limit.

Action: Contact IBM Software Support for assistance.

222,0,7059

BRTI: bad magic number. Probably due to memory corruption.

Cause: Memory corruption detected.

Action: Contact IBM Software Support for assistance.

222,0,7060

BRTI: null handle.

Cause: BRTI handle structure is null and might be corrupt.

Action: Contact IBM Software Support for assistance.

222,0,7062

BRTI: CreateThread() failed.

Cause: BRTI encountered thread creation failure.

Action: Contact IBM Software Support for assistance.

222,0,7063

BRTI: dataset label block expected.

Cause: Could not find dataset label block needed for restore.

Action: Contact IBM Software Support for assistance.

222,0,7064

BRTI: error getting file status.

Cause: BRTI encountered a file statue retrieval error.

Action: Refer to the system log for a detailed error message.

222,0,7066

BRTI: error loading tape.

Cause: An error was encountered loading the tape.

Action: Refer to the system log for a detailed error message.

- 222,0,8002** **BRPRS: abst_link() caller passed illegal interface level.**
Cause: An invalid interface level attempted to link with BRPRS.
Action: Contact IBM Software Support for assistance.
- 222,0,8003** **BRPRS: illegal syntax for service name.**
Cause: Illegal syntax for NCH service name.
Action: Reference product documentation on service name.
- 222,0,8004** **BRPRS: illegal syntax in BR_DEBUG environment value.**
Cause: Illegal syntax specified in the BR_DEBUG environment value.
Action: Contact IBM Software Support for assistance.
- 222,0,8005** **BRPRS: stack underflow.**
Cause: Stack underflow has been detected.
Action: Contact IBM Software Support for assistance.
- 222,0,8006** **BRPRS: scanned ahead too many tokens. Recompile, increase. MAX_LOOKAHEAD**
Cause: An internal error has occurred.
Action: Contact IBM Software Support for assistance.

222,0,8007	BRPRS: assertion failure. Cause: A processing error has occurred. Action: Refer to the system log for a detailed error message.
222,0,8008	BRPRS: illegal EBR volume label or unknown volume label format. Cause: Illegal volume label or unknown label format. Action: You must use EBR_label to label the backup media.
222,0,8010	BRPRS: illegally formed dataset label on tape. Cause: Illegal dataset label encountered. Action: Refer to the system log for a detailed error message.
222,0,8011	BRPRS: fork() failed. Cause: BRPRS encountered an error while trying to fork a process. Action: Contact IBM Software Support for assistance.
222,0,8013	BRPRS: error initializing a file to be parsed. Cause: Error encountered opening or initializing a file to be parsed. Action: Refer to the system log for a detailed error message.

222,0,9002	BRLC: num threads mismatch. Cause: Thread corruption detected. Action: Contact IBM Software Support for assistance.
222,0,9004	BRLC: no slot for a process. Cause: A slot could not be found for a process. Action: Contact IBM Software Support for assistance.
222,0,9005	BRLC: underflow a chunk. Cause: Data underflow detected. Action: Contact IBM Software Support for assistance.
222,0,9006	BRLC: data remaining in chunk. Cause: Data remaining in the chunk, but the read is not complete. An internal error has occurred. Action: Contact IBM Software Support for assistance.
222,0,9007	BRLC: BRLC_read called by writer. Cause: BRLC_read was called by the writer process. This is an internal error. Action: Contact IBM Software Support for assistance.

- 222,0,9008** **BRLC: BRLC_write called by reader.**
Cause: BRLC_write was called by the reader process. This is an internal error.
Action: Contact IBM Software Support for assistance.
- 222,0,9009** **BRLC: bad magic number in process entry.**
Cause: BRLC handle structure might be corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,9010** **BRLC: bad magic number in handle.**
Cause: BRLC handle structure might be corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,9012** **BRLC: illegal (i.e., future) interface level passed to abs_link.**
Cause: An invalid interface level attempted to link with BRLC.
Action: Contact IBM Software Support for assistance.
- 222,0,9013** **BRLC: process id mismatch.**
Cause: Process ID mismatch encountered. This is an internal error.
Action: Contact IBM Software Support for assistance.

- 222,0,9015** **BRLC: assertion failure.**
Cause: A processing error has occurred.
Action: Refer to the system log for a detailed error message.
- 222,0,9017** **BRLC: size of master key out of range.**
Cause: Corrupt master key size detected.
Action: Contact IBM Software Support for assistance.
- 222,0,9018** **BRLC: BRLC_open: num_stripes mismatch.**
Cause: An internal processing error has occurred.
Action: Contact IBM Software Support for assistance.
- 222,0,9019** **BRLC: BRLC_get_dset_ca: requested size out of range.**
Cause: Requested size is out of range for global communication area for a dataset.
Action: Contact IBM Software Support for assistance.
- 222,0,9020** **BRLC: BRLC shared memory magic number corruption.**
Cause: Shared memory might be corrupted.
Action: Contact IBM Software Support for assistance.

- 222,0,9021** **BRLC: BRLC dataset communication area corrupted.**
Cause: The dataset communication area is corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,9022** **BRLC: BRLC tape thread common context area corrupted.**
Cause: The tape thread common context area is corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,9023** **BRLC: BRLC_set_state called to set system state to illegal value.**
Cause: There was an attempt to set the system state to an illegal value. This can be an internal error.
Action: Contact IBM Software Support for assistance.
- 222,0,10002** **BRRMKI: caller passed incompatible BRRMK interface level**
Cause: An invalid interface level attempted to link with BRRMKI.
Action: Contact IBM Software Support for assistance.
- 222,0,11001** **BRMK: illegal (future) interface level attempting to link to BRMK.**
Cause: An invalid interface level attempted to link with BRMK.

Action: Contact IBM Software Support for assistance.

222,0,11002 **BRMK: disk write error zeroing a block in recovery log to prevent rollforward on the transient database after a restore.**

Cause: A disk write error occurred on a file.

Action: Refer to the system log for a detailed error message.

222,0,11003 **BRMK: lseek error.**

Cause: A file seek error occurred.

Action: Refer to the system log for a detailed error message.

222,0,11006 **BRMK: interval restore: number of data files/partitions changed after the base full backup and before the interval backup.**

Cause: This error occurs if you change the MKF configuration by adding or removing data files or partitions and perform an interval backup instead of a full backup. During MKF restore, EBR cannot apply an interval restore to the MKF database where the configuration has changed since the last full backup.

Action: Restore from the full backup.

- 222,0,11007** **BRMK: illegal interval restore. The interval backup to be restored was not made relative to the database resident on disk.**
- Cause:** An illegal interval restore was attempted. The interval backup to be restored was not made relative to the database resident on disk.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,11008** **BRMK: illegal interval restore. Either a full restore was not done, or the database was updated since the full restore.**
- Cause:** An illegal interval restore was attempted. Either a full restore was not done, or the database was updated since the full restore.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,11010** **BRMK: restore operation (full/interval) does not match backup type (interval/full).**
- Cause:** Restore operation specified does not match backup type.
- Action:** Refer to the system log for a detailed error message.
-
- 222,0,11011** **BRMK: invariant violated.**
- Cause:** An internal error involving a database format ambiguity is encountered.
- Action:** Contact IBM Software Support for assistance.

- 222,0,11012** **BRMK: checksum error.**
Cause: A checksum error has been encountered.
Action: Contact IBM Software Support for assistance.
- 222,0,12001** **BRPA: illegal (future) interface level attempting to link to BRPA.**
Cause: An invalid interface level attempted to link with BRPA.
Action: Contact IBM Software Support for assistance.
- 222,0,12002** **BRPA: disk read error.**
Cause: A disk read error occurred on a file.
Action: Refer to the system log for a detailed error message.
- 222,0,12003** **BRPA: disk write error.**
Cause: A disk write error occurred on a file.
Action: Refer to the system log for a detailed error message.
- 222,0,12004** **BRPS: lseek error.**
Cause: An file seek error occurred.
Action: Refer to the system log for a detailed error message.

222,0,12005	BRPA: bad dataset number. Cause: A bad dataset number was encountered. Action: Contact IBM Software Support for assistance.
222,0,12006	BRPA: bad dataset part number. Cause: A bad dataset part number was encountered. Action: Contact IBM Software Support for assistance.
222,0,12007	BRPA: assertion failure. Cause: A processing error has occurred. Action: Refer to the system log for a detailed error message.
222,0,12008	BRPA: error opening file. Cause: A file open error was encountered. Action: Refer to the system log for a detailed error message.
222,0,12009	BRPA: invalid description magic number. Cause: Data corruption detected due to an invalid description magic number. Action: Contact IBM Software Support for assistance.

- 222,0,12010** **BRPA: invalid description format level.**
Cause: Data corruption detected due to an invalid description format level.
Action: Contact IBM Software Support for assistance.
- 222,0,12011** **BRPA: dataset name specified in the DATASETS paragraph does not match dataset name backed up.**
Cause: The dataset specified does not match what is in the backup.
Action: Contact IBM Software Support for assistance.
- 222,0,12012** **BRPA: block size specified in the DATASETS paragraph does not match block size backed up.**
Cause: The block size specified does not match what is in the backup.
Action: Contact IBM Software Support for assistance.
- 222,0,12013** **BRPA: number of blocks specified in the DATASETS paragraph does not match number of blocks backed up.**
Cause: The number of blocks specified does not match what is in the backup.
Action: Contact IBM Software Support for assistance.
- 222,0,13001** **BROR: illegal (future) interface level attempting to link to BROR.**
Cause: An invalid interface level attempted to link with BROR.

Action: Contact IBM Software Support for assistance.

222,0,13002 BROR: assertion failure.

Cause: A processing error has occurred.

Action: Refer to the system log for a detailed error message.

222,0,13006 BROR: Oracle dataset type excepted.

Cause: The partition is not an oracle data file.

Action: Contact IBM Software Support for assistance.

222,0,13009 BROR: invalid description magic number.

Cause: Archive redo log description from the first tape block in the archive redo log section appears to be corrupted.

Action: Contact IBM Software Support for assistance.

222,0,13010 BROR: invalid description format level.

Cause: Archive redo log description from the first tape block in the archive redo log section appears to be corrupted.

Action: Contact IBM Software Support for assistance.

222,0,13011 BROR: invalid description header type.

Cause: Archive redo log description from the first tape block in the archive redo log section appears to be corrupted.

Action: Contact IBM Software Support for assistance.

222,0,13013

BROR: invalid Oracle description.

Cause: Archive redo log description from the first tape block in the archive redo log section appears to be corrupted.

Action: Contact IBM Software Support for assistance.

222,0,13014

BROR: restore operation (full/interval) does not match with backup type (interval/full).

Cause: Restore operation specified does not match backup type.

Action: Refer to the system log for a detailed error message.

222,0,13016

BROR: failed to access archive redo log description.

Cause: Database recovery cannot be completed because the archive redo log description cannot be located.

Action: Contact IBM Software Support for assistance.

222,0,13020

BROR: error occurred while fetching archive redo log sequence.

Cause: An Oracle error occurred while fetching the archive redo log sequence number.

Action: Refer to the Oracle Alert log and product system log for details.

- 222,0,13021** **BROR: error occurred while fetching archive redo log parameters.**
Cause: An error occurred while trying to read redo log parameter information.
Action: Contact IBM Software Support for assistance.
- 222,0,13022** **BROR: error occurred while fetching archive redo log format.**
Cause: An error occurred while fetching the archive redo log format.
Action: Contact IBM Software Support for assistance.
- 222,0,13025** **BROR: failed to execute sqldba or svrmgr command.**
Cause: An error occurred involving the archive log retention parameter.
Action: Refer to the Oracle Alert log and product system log for details.
- 222,0,13026** **BROR: error occurred in retention files.**
Cause: Archive redo log description from the first tape block in the archive redo log section appears to be corrupted.
Action: Refer to the system log for a detailed error message.
- 222,0,13027** **BROR: log chunk not a multiple of Oracle page size**
Cause: A log chunk is not a multiple of the Oracle page size.

Action: Contact IBM Software Support for assistance.

222,0,13029

BROR: Oracle partition is too small to contain the database being restored.

Cause: This error occurs when replacing a corrupted Oracle partition.

Action: Ensure the newly replaced partition is equal to or bigger than the original partition size. Otherwise, EBR is not able to restore the database.

222,0,13031

BROR: Oracle datafile header block is corrupted.

Cause: The Oracle datafile header block is corrupt.

Action: Contact IBM Software Support for assistance.

222,0,13043

BROR: bad data in configuration file br_datasets.

Cause: The first Oracle entry in br_dataset is not a datafile type.

Action: Contact IBM Software Support for assistance.

222,0,13044

BROR: configuration file br_datasets is missing.

Cause: The configuration file br_datasets is missing from its expected location.

Action: Contact IBM Software Support for assistance.

- 222,0,13045** **BROR: configuration file br_dataset has mismatched configuration level.**
- Cause:** The configuration file br_dataset has a mismatched configuration level.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,13046** **BROR: missing data set in the configuration file br_datasets.**
- Cause:** There is no data set information in the configuration file br_datasets.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,13047** **BROR: syntax error in type clause of configuration file 'br_datasets'.**
- Cause:** There is a syntax error in the type clause of configuration file br_datasets.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,13048** **BROR: syntax error in start block clause of configuration file 'br_datasets'.**
- Cause:** There is a syntax error in the start block clause of configuration file br_datasets.
- Action:** Contact IBM Software Support for assistance.

222,0,13049**BROR: syntax error in start block clause of configuration file 'br_datasets'.**

Cause: There is a syntax error in the start block clause of configuration file br_datasets.

Action: Contact IBM Software Support for assistance.

222,0,13050**BROR: syntax error in size clause of configuration file 'br_datasets'.**

Cause: There is a syntax error in the size clause of configuration file br_datasets.

Action: Contact IBM Software Support for assistance.

222,0,13051**BROR: syntax error in file name clause of dataset configuration file 'br_datasets'.**

Cause: There is a syntax error in the file name clause of configuration file br_datasets.

Action: Contact IBM Software Support for assistance.

222,0,13052**BROR: syntax error in block size clause of dataset configuration file 'br_datasets'.**

Cause: There is a syntax error in the block size clause of configuration file br_datasets.

Action: Contact IBM Software Support for assistance.

- 222,0,13053** **BROR: bad terminator in dataset configuration file br_datasets.**
- Cause:** There is an invalid terminator in the dataset configuration file br_datasets.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,13054** **BROR: dataset configuration file br_dataset contains invalid dataset type.**
- Cause:** The dataset configuration file br_dataset contains an invalid dataset type.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,13055** **BROR: bad data block size.**
- Cause:** Bad Oracle datafile block size encountered.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,13056** **BROR: bad oracle hdr block magic number.**
- Cause:** Bad Oracle header block encountered.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,13057** **BROR: block size defined in oracle hdr block does not match with br_dataset's.**
- Cause:** Bad Oracle header block encountered.

Action: Contact IBM Software Support for assistance.

222,0,13058

BROR: file size defined in the Oracle header block does not match configuration database.

Cause: Oracle includes information on the data file size in the header block of the data file. If an Oracle data file size does not match the configuration database, EBR terminates the backup.

Action: Contact IBM Software Support for assistance.

222,0,18001

EBR_label: bad disk read.

Cause: Error encountered reading the disk.

Action: Refer to the system log for a detailed error message.

222,0,18002

EBR_label: disk block shorter than expected.

Cause: Error reading a disk block. The block is shorter than expected.

Action: Contact IBM Software Support for assistance.

222,0,18003

EBR_label: bad disk write.

Cause: Error encountered writing to the disk.

Action: Refer to the system log for a detailed error message.

- 222,0,19001** **BRDI: illegal (future) interface level attempting to link to BRPC.**
Cause: An invalid interface level attempted to link with BRPC.
Action: Contact IBM Software Support for assistance.
- 222,0,19002** **BRPC: assertion failure.**
Cause: A processing error has occurred.
Action: Refer to the system log for a detailed error message.
- 222,0,19003** **BRPC: failed to initialize backup process.**
Cause: The back process failed to start.
Action: Refer to the system log for a detailed error message.
- 222,0,19005** **BRPC: invalid cache description magic number.**
Cause: The cache description data might be corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,19006** **BRPC: invalid cache description format level.**
Cause: The cache description data might be corrupt.
Action: Contact IBM Software Support for assistance.

- 222,0,19007** **BRPC: invalid cache object description magic number**
Cause: The cache object description data might be corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,19008** **BRPC: invalid cache object description format level.**
Cause: The cache object description data might be corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,19009** **BRPC: invalid cache object tail record magic number.**
Cause: The cache object tail record might be corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,19010** **BRPC: invalid cache object tail record format level.**
Cause: The cache object tail record might be corrupt.
Action: Contact IBM Software Support for assistance.
- 222,0,19011** **BRPC: cache object in the backup media is corrupted.**
Cause: The cache object in the backup media is corrupted and cannot be used for restore.
Action: Contact IBM Software Support for assistance.

- 222,0,19012** **BRPC: backup failed.**
Cause: The backup operation failed.
Action: Refer to the system log for a detailed error message.
- 222,0,19013** **BRPC: restore failed.**
Cause: The restore operation failed.
Action: Refer to the system log for a detailed error message.
- 222,0,19014** **BRPC: object has bad checksum.**
Cause: The cache object has a bad checksum.
Action: Contact IBM Software Support for assistance.
- 222,0,19018** **BRPC: cache was backed up from a different domain.**
Cause: The backed up cache domain does not match the target domain.
Action: Contact IBM Software Support for assistance.
- 222,0,19019** **BRPC: cache backed up does not match cache configuration.**
Cause: The cache backed up does not match the cache configuration.
Action: Contact IBM Software Support for assistance.

222,0,19020**BRPC: invalid cache object.****Cause:** An invalid cache object was encountered.**Action:** Contact IBM Software Support for assistance.**222,0,19021****BRPC: invalid cache object distribution list record magic number.****Cause:** The cache object distribution list record might be corrupt.**Action:** Contact IBM Software Support for assistance.**222,0,20001****BRSIG: illegal magic number field in BRSIG_open parameter structure.****Cause:** There was an illegal magic number in the BRSIG_open parameter structure.**Action:** Contact IBM Software Support for assistance.**222,0,20002****BRSIG: illegal format level field in BRSIG_open parameter structure.****Cause:** There was an illegal format level in the BRSIG_open parameter structure.**Action:** Contact IBM Software Support for assistance.

- 222,0,20003** **BRSIG: illegal BRLC handle field in BRSIG_open parameter structure.**
- Cause:** There was an illegal BRLC handle in the BRSIG_open parameter structure.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,20004** **BRSIG: illegal block size field in BRSIG_open parameter structure. Block size must be one of: 512, 1024, 2048, 4096**
- Cause:** There was an illegal block size in the BRSIG_open parameter structure. The block size must be one of the following: 512, 1024, 2048, 4096.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,20005** **BRSIG: illegal number of parts field in BRSIG_open parameter structure.**
- Cause:** There is an illegal number of parts field in the BRSIG_open parameter structure.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,20006** **BRSIG: illegal operation field in BRSIG_open parameter structure.**
- Cause:** An illegal operation field was detected in the BRSIG_open parameter structure.
- Action:** Contact IBM Software Support for assistance.

- 222,0,20007** **BRSIG: illegal operation-type field in BRSIG_open parameter structure.**
- Cause:** An illegal operation-type field was detected in the BRSIG_open parameter structure.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,20008** **BRSIG: when doing restores, must set restore stamp field in BRSIG_open parameter structure.**
- Cause:** The restore stamp field in BRSIG_open parameter structure was not set.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,20009** **BRSIG: null file name field in BRSIG_open parameter structure.**
- Cause:** There is a null file name field in BRSIG_open parameter structure. It should not be null.
- Action:** Contact IBM Software Support for assistance.
-
- 222,0,20010** **BRSIG: BRSIG_open parameter structures of all threads are not identical.**
- Cause:** The BRSIG_open parameter structures of all threads are not identical. This is an internal error.
- Action:** Contact IBM Software Support for assistance.

- 222,0,20011** **BRSIG: error opening current or new signature file.**
Cause: Error returned when opening a current or new signature file.
Action: Refer to the system log for a detailed error message.
- 222,0,20012** **BRSIG: close count < open count on last close.**
Cause: The BRSIG close count is less than the open count on the last close. This mismatch in value is an internal error.
Action: Contact IBM Software Support for assistance.
- 222,0,20013** **BRSIG: insert or compare: caller error: numblks < 1**
Cause: An internal error has occurred involving the BRSIG insert or compare numblks value.
Action: Contact IBM Software Support for assistance.
- 222,0,20014** **BRSIG: assertion failure.**
Cause: A processing error has occurred.
Action: Refer to the system log for a detailed error message.
- 222,0,20015** **BRSIG: attempt to read beyond last valid signature. This should be an error internal to BRSIG only.**
Cause: An internal error has occurred while reading the signature file.
Action: Contact IBM Software Support for assistance.

- 222,0,20016** **BRSIG: failed to create new signature file.**
Cause: An error occurred while trying to create a new signature file.
Action: Refer to the system log for a detailed error message.
- 222,0,20017** **BRSIG: write to signature file failed.**
Cause: An error occurred while writing to the signature file.
Action: Refer to the system log for a detailed error message.
- 222,0,20018** **BRSIG: caller error: passed null handle to BRSIG.**
Cause: BRSIG encountered an internal error involving a null handle.
Action: Contact IBM Software Support for assistance.
- 222,0,20019** **BRSIG: magic number in local handle incorrect. Local memory corruption?**
Cause: BRSIG encountered possible local memory corruption.
Action: Contact IBM Software Support for assistance.
- 222,0,20020** **BRSIG: magic number in global handle incorrect. Global memory corruption?**
Cause: BRSIG encountered possible global memory corruption.
Action: Contact IBM Software Support for assistance.

- 222,0,20023 BRSIG: caller passed incompatible BRSIG interface level.**
Cause: An invalid interface level attempted to link with BRSIG.
Action: Contact IBM Software Support for assistance.
- 222,0,20024 BRSIG: lseek error.**
Cause: BRSIG encountered a file seek error.
Action: Refer to the system log for a detailed error message.
- 222,0,20025 BRSIG: checksum error detected in signature file.**
Cause: EBR detected a checksum error in Oracle signature file.
Action: Contact IBM Software Support for assistance.
- 222,0,20027 BRSIG: interval restore: stamp from tape directory unequal to stamp in signature file.**
Cause: The stamp from the tape directory does not equal the stamp in the signature file.
Action: Contact IBM Software Support for assistance.
- 222,0,20028 BRSIG: read from signature file failed.**
Cause: A internal error was encountered reading the signature file.
Action: Contact IBM Software Support for assistance.

- 222,0,20029** **BRSIG: signature file state not 'COMPLETE'. Signature file is incompletely generated and, therefore, invalid.**
Cause: The signature file is not in a valid state.
Action: Contact IBM Software Support for assistance.
- 222,0,21001** **BRCOM: failed to fetch environment variable or register key.**
Cause: An environment variable or register key could not be successfully retrieved.
Action: Contact IBM Software Support for assistance.
- 222,0,21002** **BRCOM: null pointer for br_get_my_id(s).**
Cause: A null process or thread ID pointer was encountered.
Action: Contact IBM Software Support for assistance.
- 222,0,22001** **BRRMK: assertion failure.**
Cause: A processing error has occurred.
Action: Refer to the system log for a detailed error message.
- 222,0,22002** **BRRMK: bad message type received.**
Cause: A bad message type was received. A network error or internal error might have occurred.
Action: Contact IBM Software Support for assistance.

- 222,0,22004** **BRRMK: caller passed incompatible BRRMK interface level.**
Cause: An invalid interface level attempted to link with BRRMK.
Action: Contact IBM Software Support for assistance.
- 222,0,22005** **BRRMK: illegal protocol format level.**
Cause: An illegal protocol format level was encountered. A network error or internal error might have occurred.
Action: Contact IBM Software Support for assistance.
- 222,0,22006** **BRRMK: bad remote procedure number.**
Cause: A bad remote procedure number was passed to BRRMK. This is an internal error.
Action: Contact IBM Software Support for assistance.
- 222,0,50002** **BRMT: system internal error, refer to sys log for detailed error message.**
Cause: An error was encountered while accessing the tape device.
Action: Refer to the system log for a detailed error message.
- 222,0,50003** **BRMT: Invalid handle.**
Cause: The tape handle structure data is corrupted.
Action: Contact IBM Software Support for assistance.

222,0,50005	BRMT: I/O error occurred. Cause: I/O error occurred while reading from tape. Action: Refer to the system log for a detailed error message.
222,0,50006	BRMT: Invalid parameter passed. Cause: Invalid mode or parameters specified. Action: Check documentation and enter the correct parameters.
222,0,50007	BRMT: Invalid read/write mode. Cause: Invalid read or write mode specified. Action: Check documentation and enter the correct parameters.
222,0,50008	BRMT: Device busy Cause: The tape device is busy. Action: Retry the operation.
222,0,50010	BBRMT: Tape in wrong state for operation. Cause: The tape device is in the wrong state for the requested operation. Action: Correct the tape device state.

- 222,0,50011** **BRMT: Unknown device type**
Cause: The specified device type is not recognized.
Action: Contact IBM Software Support for assistance.
- 222,0,50012** **BRMT: Tape is offline**
Cause: The tape device is offline.
Action: Place the tape device online.
- 222,0,50015** **BRMT: End of File.**
Cause: End of file was reached on tape device.
Action: Verify the status of the tape.
- 222,0,50016** **BRMT: End of media.**
Cause: End of tape was reached.
Action: Verify the status of the tape.
- 222,0,50017** **BRMT: Write protected.**
Cause: Tape is write protected.
Action: Remove write protection from tape.
- 222,0,50018** **BRMT: Invalid block size requested.**
Cause: Invalid block size specified.

Action: Enter the correct block size.

222,0,50020 BRMT: Unsupported device type.

Cause: The specified device type is not supported.

Action: Contact IBM Software Support for assistance.

222,0,50021 BRMT: Cannot open tape drive.

Cause: Error opening tape drive.

Action: Verify the status of the tape.

222,0,50022 BRMT: Could not find the device drive.

Cause: Error locating the device drive.

Action: Verify the status of the device.

222,0,50032 BRMT: Invalid magic or format level.

Cause: The tape handle structure data might be corrupted.

Action: Contact IBM Software Support for assistance.

222,0,50033 BRMT: Inappropriate ioctl for device.

Cause: An inappropriate I/O control system call was made for the device.

Action: Refer to the system log for a detailed error message.

- 222,0,50034** **BRMT: Invalid device name.**
Cause: An invalid device name was specified.
Action: Specify a valid device name.
- 222,0,50035** **BRMT: illegal interface level attempting to link to BRMT.**
Cause: An invalid interface attempted to link with the BRMT library.
Action: Contact IBM Software Support for assistance.
- 222,0,50036** **BRMT: less than requested number of bytes written.**
Cause: An error occurred during a tape write. Less than the number of expected bytes were written.
Action: Verify the tape media.
- 222,0,50037** **BRMT: less than requested number of bytes read.**
Cause: An unexpected internal error condition has been encountered involving an unopened device or an invalid internal parameter.

Action: Refer to the system log for a detailed error message.
- 222,0,51002** **BRTLIB: BRTLIB assertion.**
Cause: An unexpected internal error condition is encountered involving an unopened device or an invalid internal parameter.

Action: Refer to the system log for a detailed error message.

222,0,51003

BRTLIB: failed to allocate memory.

Cause: A memory allocation error occurred. The system might be out of memory.

Action: Refer to the system log for a detailed error message.

222,0,51004

BRTLIB: Invalid handle.

Cause: The tape handle structure data might be corrupted.

Action: Contact IBM Software Support for assistance.

222,0,51005

BRTLIB: abst_link() caller passed illegal interface level.

Cause: An invalid interface attempted to link with the BRTLIB library.

Action: Contact IBM Software Support for assistance.

222,0,51006

BRTLIB: Invalid parameter.

Cause: The BRTLIB library encountered an invalid parameter.

Action: For the name of the parameter and a detailed error message, refer to the system log.

222,0,51007

BRTLIB: Invalid tape library device name.

Cause: An invalid tape library device name was specified.

Action: Specify a valid tape library device name.

222,0,51008 BRTLIB: Illegal tape library device type.

Cause: An invalid tape library device type was specified.

Action: Specify a valid tape library device type.

222,0,51009 BRTLIB: Operation not permitted.

Cause: The attempted operation is not allowed.

Action: Refer to the system log for a detailed error message.

222,0,51010 BRTLIB: Bad magic number.

Cause: An internal BRTLIB library structure might be corrupted.

Action: Contact IBM Software Support for assistance.

222,0,51011 BRTLIB: Bad barcode.

Cause: The barcode is null or in an illegal format.

Action: Specify a valid barcode.

222,0,51012 BRTLIB: BRTLIB null library device handle.

Cause: A null library device handle was encountered by the BRTLIB library.

Action: Contact IBM Software Support for assistance.

- 222,0,51013 BRTLIB: err opening tape library.**
Cause: An error was encountered while attempting to open the tape library.
Action: Verify the status of the tape media and device.
- 222,0,51014 BRTLIB: ioctl failure.**
Cause: An inappropriate I/O control system call was made for the device.
Action: Refer to the system log for a detailed error message.
- 222,0,51015 BRTLIB: invalid slot id or slot out of range.**
Cause: The specified slot id is invalid or out of range.
Action: Specify a valid slot id.
- 222,0,51016 BRTLIB: invalid drive id or drive id out of range.**
Cause: The specified drive id is invalid or out of range.
Action: Specify a valid drive id.
- 222,0,51017 BRTLIB: invalid source slot.**
Cause: The specified source slot is invalid.
Action: Specify a valid source slot.

222,0,51018	BRTLIB: invalid destination slot. Cause: The specified destination slot is invalid. Action: Specify a valid destination slot.
222,0,51019	BRTLIB: invalid element address. Cause: The specified element address is invalid. Action: Specify a valid element address.
222,0,51020	BRTLIB: invalid drive address Cause: The specified drive address is invalid. Action: Specify a valid drive address.
222,0,51021	BRTLIB: no empty slot. Cause: No empty slot could be found. Action: Verify slot status.
222,0,51022	BRTLIB: no idle drive, all drives are busy. Cause: No idle drive could be found. All drives are busy. Action: Retry the operation.
222,0,51029	BRTLIB: Could not claim interlock. Cause: Failed to claim interlock.

Action: Retry the operation.

222,0,51030

BRTLIB: failed to move media

Cause: Failed to move media from one slot to another. Source slot might be empty or inaccessible. Destination slot might be full.

Action: Refer to system log for detailed error message.

222,0,51031

BRTLIB: Device type is not supported.

Cause: The specified device type is not supported.

Action: Specify a supported device type.

222,0,51033

BRTLIB: Search failure.

Cause: The tape library is not equipped with a barcode reader or the specified search string is null.

Action: Refer to the system log for a detailed error message.

222,0,51034

BRTLIB: media not found.

Cause: The specified slot state or slot id is not recognized.

Action: Specify a valid slot id.

222,0,51035

BRTLIB: error loading media.

Cause: Media is already loaded in the drive.

Action: Refer to the system log for a detailed error message.

222,0,51036 BRTLIB: error loading media, slot is empty or inaccessible.

Cause: Could not load media from the slot. The slot is empty or inaccessible.

Action: Refer to the system log for a detailed error message.

222,0,51037 BRTLIB: error loading media, drive is busy or inaccessible.

Cause: Could not load media from the drive. The drive is busy or inaccessible.

Action: Refer to the system log for a detailed error message.

222,0,51038 BRTLIB: error unloading media, drive is empty.

Cause: Could not unload media from the drive. The drive is empty.

Action: Refer to the system log for a detailed error message.

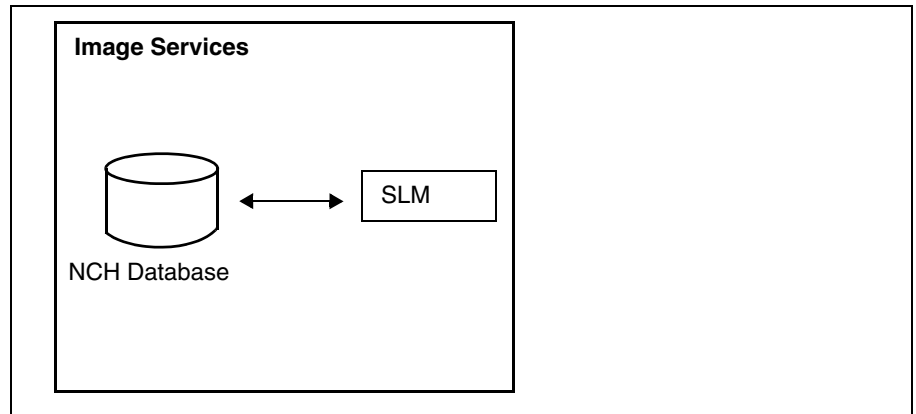
222,0,51041 BRTLIB: Tape library driver is an unsupported version.

Cause: The tape library driver installed on the system is not supported.

Action: Contact IBM Software Support for assistance.

SLM (232) Messages

The Software License Management (SLM) shared library provides programmatic access to SLAC Key information.



SLM Shared Library Diagram

SLM shared library messages begin with 232. Each entry has an error code, an error message, possible causes, and recommended actions.

232,0,1000**SLMI: abort: SLMI internal error.**

Cause: This error can occur for a variety of reasons, including a software, configuration, or procedural error. The event log includes the source file name and line number within the source file.

Action: Record the event log information (source file name, line number, and so forth), then contact IBM Software Support for assistance.

232,0,1001**SLMI: license not found in the database.**

Cause: The license information cannot be located, possibly because the information has not been entered or an outdated copy of the NCH database was restored from a backup.

Action: Enter the correct license information. To install the SLAC Key in your system file, enter the following command to start the Software License Manager:

lic_admin -f /fnsw/local/tmp/<slac.new>

where /fnsw/local/tmp/<slac.new> is the full path name of the SLAC Key file. If your SLAC Key is located in a different directory, be sure to use that path name.

If you don't have a current SLAC key, you can copy the appropriate Universal SLAC Key from the Tech Info CD, or you can download it from the IBM Information Management support page (www.ibm.com/software/data/support).

There are four Universal SLAC Keys available:

- FileNet Image Services with eProcess for Oracle
- FileNet Image Services with eProcess for MS SQL
- eProcess only (no Imaging) for Oracle
- eProcess only (no Imaging) for MS SQL

To download a Universal SLAC Key, contact IBM Software Support for assistance.

232,0,1002

SLMI: field index beyond last field in the license.

Cause: This message is displayed if SLM detects SLAC key information from a previous release and uses backward compatibility mode. This message can also indicate a software or license error.

Action: Check the event log for additional information. If the event log contains a message indicating that SLM has detected SLAC key information from a previous release and is using backward compatibility mode, this is an informational message and a response is unnecessary. If the event log does not contain additional explanation or the event log message indicates another type of error, reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.

232,0,1003**SLMI: record index beyond last record.**

Cause: This message is displayed if SLM detects SLAC key information from a previous release and uses backward compatibility mode. This message can also indicate a software or license error.

Action: Check the event log for additional information. If the event log contains a message indicating that SLM has detected SLAC key information from a previous release and is using backward compatibility mode, then this is an informational message and a response is unnecessary. If the event log does not contain additional explanation or the event log message indicates another type of error, then reinstall your SLAC key using the `lic_admin` command. Refer to the System Tools Reference Manual for instructions.

232,0,1004**SLMI: global record has expired.**

Cause: Your software license has expired. A SLAC key consists of a global record and per-license records. The global record contains information such as the server machine ID for the SLAC license. A system has only one global record so you must install a new license prior to expiration.

Action: Reinstall your SLAC key using the `lic_admin` command. Refer to the System Tools Reference Manual for instructions.

232,0,1005**SLMI: license has expired.**

Cause: The license has not been renewed prior to the expiration date or the system time is set ahead past the expiration time. A SLAC key consists of a global record and per-license records. A system can have duplicate license records. When a license record expires, license data can be extracted from duplicate license records. For example, a temporary license record can be built to grant an excess SLU count for some number of days. When that license expires, the SLU count reverts back to the SLU count in the base license record.

Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.

232,0,1006**SLMI: illegal global record**

Cause: The internal SLMI data structure is invalid.

Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.

232,0,1007**SLMI: illegal license record**

Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.

232,0,1008**SLMI: license database in improper state for this call.**

Cause: A software error occurred in an SLMI client application.

Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.

- 232,0,1009** **SLMI: get_license_field: field width mismatch**
Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
- 232,0,1010** **SLMI: get_license_field: number of elements mismatch**
Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
- 232,0,1011** **SLMI: SLMI called before abst_link to it**
Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
- 232,0,1012** **SLMI: shared license database shared memory corrupted**
Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
- 232,0,1013** **SLMI: private license database local memory corrupted**
Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
- 232,0,1014** **SLMI: bug: bad duplicates flag value**
Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.

232,0,1015**SLMI: global record was created in the future.**

Cause: The clocks in the current system and the system on which the license was generated are out of sync.

Action: Set the correct date and time in both machines and retry your operation.

- 232,0,1016** **SLMI: license record was created in the future.**
- Cause:** The clocks in the current system and the system on which the license was generated are out of sync.
- Action:** Set the correct date and time in both machines and retry your operation.
-
- 232,0,1017** **SLMI: destination pointer address not a multiple of field width**
- Action:** Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
-
- 232,0,1018** **SLMI: field index is negative**
- Action:** Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
-
- 232,0,1019** **SLMI: CPU id function not implemented for this platform yet**
- Action:** Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
-
- 232,0,1020** **SLMI: license is incomplete**
- Action:** Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.

232,0,1021	SLMI: bug: non-hex character to SLMI_hex_val Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
232,0,1022	SLMI: destination variable too small Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
232,0,1023	SLMI: CPU id for this server not found in global record Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
232,0,1024	SLMI: illegal handle Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
232,0,1025	SLMI: can not destroy shared cache Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.
232,0,1026	SLMI: shared database can not be created by read_file Action: Reinstall your SLAC key using the lic_admin command. Refer to the System Tools Reference Manual for instructions.

232,0,1027**SLMI: file open error.**

Cause: This error can occur for a variety of reasons, including:

- The file name was entered incorrectly.
- The file does not exist.
- A magnetic disk hardware error occurred.

Action: Check the following:

- The file name is entered correctly.
- The file exists.

You can display the file using the more or less commands (for Windows Server, you can use File Manager). You can also use a text editor such as Notepad.

232,0,1028	SLMI: file lseek error. Cause: The C library lseek call did not complete successfully because of a software error. Action: Ensure that the current software component versions are compatible.
232,0,1029	SLMI: file too large. Cause: The license file is too large for SLMI. Action: Contact IBM Software Support for assistance.
232,0,1030	SLMI: file length not a multiple of 4 bytes Action: Contact IBM Software Support for assistance.
232,0,1031	SLMI: file read error Action: Contact IBM Software Support for assistance.
232,0,1032	SLMI: file write error Action: Contact IBM Software Support for assistance.
232,0,1033	SLMI: get_rec_key: ilgl key for globl record (must be 0) Action: Contact IBM Software Support for assistance.

232,0,1034	SLMI: illegal record type Action: Contact IBM Software Support for assistance.
232,0,1035	SLMI: get_rec_inx: illegal index for global record (must be 0) Action: Contact IBM Software Support for assistance.
232,0,1036	SLMI: negative record index Action: Contact IBM Software Support for assistance.
232,0,1037	SLMI: length parameter to checksum routine not a multiple of 4 bytes Action: Contact IBM Software Support for assistance.
232,0,1038	SLMI: left parenthesis expected Action: Contact IBM Software Support for assistance.
232,0,1039	SLMI: odd number of hex digits Action: Contact IBM Software Support for assistance.
232,0,1040	SLMI: non-hex digit Action: Contact IBM Software Support for assistance.

232,0,1041	SLMI: trailing characters after right parenthesis Action: Contact IBM Software Support for assistance.
232,0,1042	SLMI: source variable length not a multiple of 4 bytes Action: Contact IBM Software Support for assistance.
232,0,1043	SLMI: checksum error Action: Contact IBM Software Support for assistance.
232,0,1044	SLMI: length parameter unequal to length field in record Action: Contact IBM Software Support for assistance.
232,0,1045	SLMI: illegal format level Action: Contact IBM Software Support for assistance.
232,0,1046	SLMI: accept_bin_rec: attempt to overstore global record Action: Contact IBM Software Support for assistance.
232,0,1047	SLMI: attempt to create license database with production version of SLMI Action: Contact IBM Software Support for assistance.

232,0,1048	SLMI: number of servers < 1 Action: Contact IBM Software Support for assistance.
232,0,1049	SLMI: number of servers > limit Action: Contact IBM Software Support for assistance.
232,0,1050	SLMI: exists a logical server number < 1 Action: Contact IBM Software Support for assistance.
232,0,1051	SLMI: exists a server with machine id = 0 Action: Contact IBM Software Support for assistance.
232,0,1052	SLMI: two or more servers have the same machine id Action: Contact IBM Software Support for assistance.
232,0,1053	SLMI: cannot add licenses or global record to shared database Action: Contact IBM Software Support for assistance.
232,0,1054	SLMI: illegal fields width (must be 1, 2, or 4) Action: Contact IBM Software Support for assistance.

232,0,1055	SLMI: number of elements < 1 Action: Contact IBM Software Support for assistance.
232,0,1056	SLMI: license in illegal state Action: Contact IBM Software Support for assistance.
232,0,1057	SLMI: maximum license size exceeded Action: Contact IBM Software Support for assistance.
232,0,1058	SLMI: production version cannot do encryption Action: Contact IBM Software Support for assistance.
232,0,1059	SLMI: client has unacceptable interface level Action: Contact IBM Software Support for assistance.
232,0,1060	SLMI: shared database cannot be accessed by generation version of SLMI Action: Contact IBM Software Support for assistance.
232,0,1061	SLMI: number of objects returned by NCH is incorrect Action: Contact IBM Software Support for assistance.

232,0,1062	SLMI: NCH license format level mismatch Action: Contact IBM Software Support for assistance.
232,0,1063	SLMg: SLMg has expired Action: Contact IBM Software Support for assistance.
232,0,1064	SLMI: license level field error Action: Contact IBM Software Support for assistance.
232,0,1065	SLMg: SLMg does not deal with shared memory Action: Contact IBM Software Support for assistance.
232,0,1066	SLM{g/l}: out of memory. Cause: Either too many programs are loaded or your system has insufficient main memory. Action: Run fewer programs or add memory.
232,0,1067	SLM{g/l}: attempt to run on unauthorized system Action: Contact IBM Software Support for assistance.
232,0,1068	SLM{g/l}: error getting machine id Cause: Encountered error in Netbios command. Action: Contact IBM Software Support for assistance.

- 232,0,1069** **SLM{g/l}: error in slml_get_cpu_id from HPCIGETVAR on MPE platform**
Action: Contact IBM Software Support for assistance.
- 232,0,1070** **SLM{g/l}: error in slml_get_cpu_id from uname (id length wrong) on HPUX**
Cause: CPU id length is less than or equal to 0 or greater than 16.
Action: Contact IBM Software Support for assistance.
- 232,0,1071** **SLM{g/l}: bug: record not a multiple of 4 bytes long**
Action: Contact IBM Software Support for assistance.
- 232,0,1072** **SLMI: NCH cannot be accessed by generation version of SLMI**
Action: Contact IBM Software Support for assistance.

LSI (236) Messages

The Library Surfaces Information (LSI) abstract is used to manage surface information. The LSI abstract persistently stores information associated with virtual library devices (slot, drive, and gripper) for MSAR library types in the lib_surfaces MKF permanent database table. It also stores information to indicate if the surface is out of the library. The LSI abstract is needed for MSAR support because the LSI abstract manages the MSAR surface file location information persistently in the lib_surfaces table. In addition, in order to preserve much of the Optical Storage paradigm, the surface file must be associated with device location (slot, drive, or gripper).

236,0,1

**Programming logic error. See sys_log for more info.
(LSI_error_logic)**

Cause: Unexpected programming error.

Action: Run **vl** to get more information from the system log.

236,0,2

**Surface not found with the specified ID.
(LSI_error_no_record_id)**

Cause: Specified surface ID cannot be found in the lib_surfaces MKF table.

Action: Run **vl** to get more information from the system log.

- 236,0,3** **Surface not found at the specified location.
(LSI_error_no_record_loc)**
- Cause:** Surface cannot be found at the specified location in the lib_surfaces MKF table.
- Action:** Run **vl** to get more information from the system log.
-
- 236,0,4** **Informational message used for logging MSAR activity
such as conversion, insert, eject, etc.
(LSI_error_info)**
- Cause:** This is only an information message.
- Action:** None
-
- 236,0,5** **MSAR surface is already out of the box.
(LSI_error_already_out_of_box)**
- Cause:** This indicates that the surface is already out of the box when the eject request is being processed.
- Action:** None
-
- 236,0,6** **MSAR Invalid extension (valid extensions: .lnk or .dat).
(LSI_error_invalid_extension)**
- Cause:** The input MSAR surface file does not have a valid extension (.lnk or .dat).
- Action:** Check the validity of the file being entered.

- 236,0,7** **Error while creating an MSAR link file.
(LSI_error_creating_link_file)**
- Cause:** Error encountered while creating the link file.
- Action:** Run **vl** to get more information from the system log. Resolve the error and retry the operation.
-
- 236,0,8** **Attempted to insert/incorporate an MSAR file and MSAR
data file name (.dat) was too long.
(LSI_error_file_name_too_long)**
- Cause:** MSAR file name exceeded the maximum number of characters.
- Action:** Limit the file name to 255 characters.
-
- 236,0,9** **Failed to create the directory containing the MSAR sur-
face.
(LSI_error_mkdir)**
- Cause:** Error encountered while creating the directory where the MSAR surface file will reside.
- Action:** Run **vl** to get more information from the system log.
-
- 236,0,10** **Failed to remove MSAR surface file.
(LSI_error_erase_err)**
- Cause:** Error occurred while attempting to remove the MSAR surface file.
- Action:** Run **vl** to get more information from the system log.

236,0,11**This error was detected at startup time.
(LSI_error_bad_loc_startup)**

Cause: An MSAR surface was found in a bad location. This could occur if an MSAR library was deleted via fn_edit with existing surfaces, or the number of slots were decreased in an MSAR library. These surface will either be ejected or removed.

Action: Run **vl** to get more information from the system log.

236,0,12**Disallow MSAR surface insertion because some of the MSAR libraries are in backup mode.
(LSI_error_some_msar_lib_in_backup)**

Cause: At least one, but not all of the MSAR libraries in a server is in backup mode. To allow an MSAR surface insertion, either all or none of the MSAR libraries need to be in backup mode.

Action: Server-wide, either place all MSAR libraries in backup mode or verify that none of the MSAR libraries are in backup mode.

236,0,14**MSAR conversion error.
(LSI_error_convert)**

Cause: Error occurred during MSAR conversion.

Action: Run **vl** to get more information from the system log. Also, look at the Completed Log in the Background Job Control program.

236,0,15**Internal MSAR surface error; HWM value is low.
(LSI_error_label_HWM_lower)**

The High Water Mark (HWM) value is lower than expected. The internal High Water mark tracks the data usage on the MSAR surface. When this value does not match the actual space usage on the MSAR surface, this error is generated.

Common Cause/Action information**Note**

The following cause/action information applies to error tuples **236,0,15**, **236,0,17**, and **236,0,19**.

Cause 1: The HWM and checksum data is updated in the MSAR label section of the writable MSAR surface file before the surface is ejected from the library. If the MSAR surface is manually moved to a different location for permanent storage without first ejecting it from the library, a file-not-exist error is generated when trying to access that surface based on the old location. This file-not-exist error will mark the surface as ejected to enable you to insert it in the new location. However, the insertion step will fail because the internal HWM and checksum information will not be correct.

Action 1a: To correct this error, use the **CKSupdate** command in **DOC_tool** to repair the HWM and checksum information before you insert the MSAR surface file back into the library. See the **Doc_tool** entry in the *System Tools Reference Manual* for more information. To download IBM FileNet documentation from the IBM support page, see [**“Accessing IBM FileNet documentation” on page 124.**](#)

Action 1b: Avoid this error by ejecting the MSAR surface before moving it.

Cause 2: This error can occur if the MSAR surface file was manually copied to a different location/server and incorporated into the new Image Services server without first ejecting it from the source library.

Action 2: Avoid this error by ejecting the surface from the source library before making a copy to the new file system and incorporating it into the new server.

Cause 3: This error can be triggered if the file permission is changed through the operating system for an MSAR surface file (from read/write to read-only) while the file is still inside the library. When an MSAR surface is ejected, IS attempts to update the new HWM information on the MSAR surface. If the MSAR surface file is read-only, the update fails and this error is generated. The MSAR surface is ejected and cannot be reinserted back into the library because of the incorrect HWM information in the file.

Action 3a: To correct this problem, restore the file permissions back to read/write and use the **CKSupdate** command in DOC_tool to repair the checksum information. After updating the checksum information, reinsert the surface back into the library. Change the file permissions to read-only after the surface has been ejected from the library. This will ensure that the correct checksum information has been updated on the surface and will not be a problem during a later insertion.

If it is not possible to change the file permissions back to read/write (for example, a retention period has been applied to the file), make a duplicate copy of this MSAR surface file onto a writable file system to allow the content to be modified. Finally, run the **CKSup-date** command in DOC_tool to repair the checksum information. See the Doc_tool entry in the *System Tools Reference Manual* for more information. To download IBM FileNet documentation from

the IBM support page, see [Accessing IBM FileNet Documentation](#).

Action 3b: Avoided by ejecting the MSAR surface from the library before changing the file's permissions.

If you need further assistance, contact your service representative.

236,0,16

**The HWM in the MSAR label is high.
(LSI_error_label_HWM_higher)**

Cause: The High Water Mark stored in the MSAR label is higher than the High Water Mark shown for the surface file. This discrepancy is unacceptable and causes the error. This error message could be displayed while inserting or incorporating an MSAR surface. This could occur because of a partial transfer of an MSAR surface file from another system.

Action: Transfer the file and retry the operation. If you are using ftp to transfer the MSAR surface file, be sure to use the binary setting.

236,0,17

**Internal MSAR surface error; Checksums values do not match.
(LSI_error_bad_cks)**

The internal checksum values do not match the checksums of several sections of the MSAR file. When the checksums do not match, the integrity of the MSAR file may be in question; the file could be corrupted.

Cause: This tuple could be produced by a hardware error or by one of the causes described in [“Common Cause/Action information” on page 790](#).

236,0,18**Checksum of the MSAR label is invalid.
(LSI_error_bad_msar_label_cks)**

Cause: Unexpected error. Checksum value does not match the MSAR label checksum value. This error message could be displayed while inserting or incorporating an MSAR surface. The file you are attempting to insert or incorporate is probably not an MSAR file, or it is a corrupted MSAR file.

Action: Restore the MSAR surface from backup or rebuild the surface.

236,0,19**Internal MSAR surface error; HWM value not found.
(LSI_error_label_HWM_zero)**

The High Water Mark (HWM) value is not found. The internal High Water Mark cannot be located on the MSAR surface. The internal High Water Mark tracks the data usage on the MSAR surface. When this value is missing from the file, this error is generated.

Cause: This tuple could be produced by one of the causes described in [**“Common Cause/Action information” on page 790.**](#)

236,0,20**MSAR surface is ejected, but checksums are not updated due to an error.
(LSI_error_can't_update_cks)**

Cause: This error message could be displayed while ejecting an MSAR surface. It is a warning message and the surface is ejected. However, a surface in this state may not be exported to another system.

Action: Fix the original error that caused the checksum problem. (See the system log for the original error.) Then, insert the surface back into the library. An error free ejection is necessary before exporting this surface to another system.

SDS (238) Messages

The Single Document Storage (SDS) abstract is used to convey error messages concerning Image Services' ability to allow the user to easily access Image Services documents stored in EMC Centera devices.

238,0,1

SDS informational message. (SDS_err_info)

Cause: Informational message only.

Action: No action is required.

238,0,2

Invalid session handle. (SDS_err_invalid_sess)

Cause: Invalid session handle was passed.

Action: If the problem persists, contact IBM Software Support for assistance.

238,0,3

Indicates that a particular document is not stored in the SDS. (SDS_err_no_document)

Cause: Document cannot be found on the SDS unit.

Action: Re-archive the document to the SDS device.

238,0,4 **Indicates that an unsupported request type was encountered by an SDS worker.
(SDS_err_not_type_supported)**

Cause: Invalid request type was received.

Action: If the problem persists, contact IBM Software Support for assistance.

238,0,5 **Indicates a particular SDS unit is disabled.
(SDS_err_disabled)**

Cause: SDS unit might have been disabled by a user or because the user has disabled the SDS unit DOC_tool. When an SDS unit is disabled by a user, it remains disabled after a re-cycle. An SDS unit can also be disabled because of problems with the SDS unit.

Action: Enable the SDS unit via DOC_tool if it has been disabled by a user. For a system error, fix the problem and respond to RVSP in Storage Library Control (SLC) UI.

238,0,6 **Indicates a particular SDS unit is not configured.
(SDS_err_not_configured)**

Cause: SDS unit not configured as unexpected.

Action: If the problem persists, contact IBM Software Support for assistance.

238,0,7 **Indicates a particular SDS unit is not valid.
(SDS_err_invalid_sds_unit)**

Cause: The SDS unit number is not valid.

Action: Verify that the SDS unit is configured correctly in fn_edit. If the problem persists, contact IBM Software Support for assistance.

238,0,8

The checksum stored with the SDS document page is not consistent with the retrieved document.

Cause: Checksum stored in the SDS header does not match the checksum of the page.

Action: Re-archive the document to the SDS device.

238,0,9

**A critical error was encountered by an SDS worker and as a result the worker aborted.
(SDS_err_worker_abort)**

Cause: The SDS reader process terminated. See the elog for an explanation.

Action: Check the sds_conf file. Fix the sds_conf if file necessary. Verify that the SDS device is set up correctly.

238,0,10

**Doc_id or ssn stored in the document header and read request do not match.
(SDS_err_header_doc_or_ssn_mismatch)**

Cause: The object might have been written incorrectly.

Action: Re-archive document to SDS device.

238,0,11

**Invalid worker instance number.
(SDS_err_invalid_instance)**

Cause: An invalid worker instance number was detected.

Action: Verify that the SDS unit is configured correctly in fn_edit. If the problem persists, contact IBM Software Support for assistance.

238,0,12

**The version number of the SDS Worker Info structure does not match.
(SDS_err_info_struct_ver_mismatch)**

Cause: The version number of SDS Worker Info structure does not match. This indicates that there is mixture of old and new modules (SDS, worker, DOC_tool, etc). See the sys_log for details.

Action: Ensure that consistent modules are installed on this system. Apply the latest IS fix pack to ensure that all dependant modules are installed.

238,0,14

SDS unit is no longer configured

Cause: This can occur because the SDS unit has been deleted via fn_edit but the SDS unit is still referenced in the Document Family. Image Services removes the references to the SDS unit that no longer exists.

Action: If you want, configure the document family to include an existing SDS unit. If documents have been written to other storage devices (MSAR, optical, or cache) and the write request number does not exist, and you want the documents stored in SDS, use the sds_migr tool to write to the SDS unit after changing the document family to include a valid SDS unit.

238,0,15

Invalid operation attempted by SDS reader unit (NLS)

Cause: Invalid operations, such as a write request, should not be dispatched to SDS_reader.

Action: Verify that the SDS unit is configured correctly in fn_edit. If the problem persists, contact IBM Software Support for assistance.

238,0,18

Read Error SDS_reader

Cause: The object was written out incorrectly.

Action: Re-archive document to the SDS device.

238,0,19

SDS unit is in an invalid state

Cause: SDS unit in invalid state is unexpected. Indicates a problem in the Image Services SDS Software.

Action: Verify that the SDS unit is configured correctly in fn_edit. If the problem persists, contact IBM Software Support for assistance.

238,0,20

SDSw pluggable library load error

Cause: An SDSw pluggable library (i.e. SDSw_centera) or libraries that SDSw depends on is not available, out date or there are be permission problems.

Action: Verify that you have consistent SDSw and dependent libraries installed in the correct directory. Check permission on the SDSw and dependent libraries. Apply the latest fix pack to ensure that all dependant modules are installed.

238,0,21

SDS unit is write disabled by user

Cause: User has write disabled SDS unit with the DOC_tool. The SDS unit remains write disabled when Image Services is recycled.

Action: If you want, write enable the SDS unit with DOC_tool. Before the SDS unit can be enabled with DOC_tool, the allowupdates command must be invoked.

238,0,22

SDS unit is read disabled by user

Cause: User has read disabled the SDS unit using the DOC_tool. The SDS unit remains read disabled when Image Services is recycled.

Action: Using the DOC_tool, you set the SDS unit to read enabled. Before the SDS unit can be enabled with the DOC_tool, you must invoke the allowupdates command.

238,0,24

SDS read after write failure

Cause: The read after write option is turned on. The read after a write failed its comparison. There might be a problem with the SDSw device.

Action: The read after write option is turned on. The read after a write failed its comparison. There might be a problem with SDSw device.

238,0,27

SDS content is not deletable based on the retention setting of the DOCS.

Cause: Attempt made to delete a document prior to retention expiration of SDS DOCS table setting. The delete operation was not completed.

Action: If retention is set, wait until the document retention has expired. If the EBR document is not triggered, trigger the document and wait for the document retention to expire.

- 238,0,28** **SDS content is not deletable based on the retention setting of the SDS object.**
- Cause:** Attempt made to delete a document prior to retention expiration of the SDS object setting. The delete operation was not completed.
- Action:** If retention is set, wait until the document retention has expired. If the EBR document is not triggered, trigger the document and wait for the document retention to expire.
-
- 238,0,29** **SDS content is not deletable based on the retention setting of the DOCTABA.**
- Cause:** Attempted make to delete a document prior to retention expiration of SDS DOCTABA table setting. The delete operation was not completed.
- Action:** If retention is set, wait until the document retention has expired. If the EBR document is not triggered, trigger the document and wait for the document retention to expire.
-
- 238,1,1** **Indicates that a particular document does not have a CLIPID stored in the User Index or in the clipid file. (SDS_err_no_clipid)**
- Cause:** The CLIP_ID field has been reset to NULL between being dispatch and SDS reader processing.
- Action:** Re-archive the document to the SDS device.

-
- 238,1,2** **Indicates that a document CLIPID is no is no longer valid for the Centera repository.
(SDS_err_clip_not_exist_centera)**
- Cause:** Document has been deleted from Centera.
- Action:** Re-archive the document to the SDS device.
-
- 238,1,3** **Centera errors that are not mapped.
(SDS_err_centera)**
- Cause:** A Centera Error has occurred.
- Action:** View elog for extended centera error message.
-
- 238,1,4** **The NLS directory has not been configured.
(SDS_err_nls_root_not_config)**
- Cause:** The NLS Directory has not been configured.
- Action:** Check the sds_conf file. Fix the sds_conf if necessary.
-
- 238,1,5** **Cannot open Center repository
(SDS_err_centera_no_pool)**
- Cause:** The Centera repository or the network might be down or the configured domain name or IP address of the Centera repository might be incorrectly configured.
- Action:** Check the sds_conf file. Fix the sds_conf if necessary. Verify that the Centera repository is up and functional.

238,1,6 SDS_CSAR_reader aborted due to Centera issue (SDS_err_fatal_centera)

Cause: An unexpected Centera Error occurred.

Action: Verify that the Centera repository is up and functional.

238,1,7 SDS_CSAR_reader could not read centera blob (SDS_err_centera_Blob_Read)

Cause: SDS object might have been incorrectly written.

Action: Verify that the Centera storage nodes are online and functional. Re-archive the document.

238,1,8 SDS_CSAR_reader could not centera CLIP object (SDS_err_centera_open_clip)

Cause: The Centera storage nodes that contain the CLIP object for this document is down, or the CLIP object was deleted.

Action: Verify that the Centera storage nodes are online and functional. If the CLIP object has been deleted inadvertently, re-archive the document.

238,1,9 SDS_CSAR_reader could not open centera blob (SDS_err_centera_no_blob)

Cause: The Centera storage nodes that contain the blob might be down.

Action: Verify that the Centera storage nodes are online and functional.

- 238,1,10 The NLS indexes are not defined correctly
(SDS_err_bad_nls_index_def)**
- Cause:** The NLS indexes are not defined correctly. FNP_ARCHIVE should be a date type user index. The FNP_CLIPID should be an ASCII index field. They are defined but have wrong type(s).
- Action:** Configure NLS User Indexes with the correct index types. FNP_ARCHIVE should be a date type user index. FNP_CLIPID should be an ASCII type user index.
-
- 238,1,11 One or both of the NLS indexes are not defined
(SDS_err_FNP_ARCHIVE_not_def)**
- Cause:** FNP_ARCHIVE and/or FNP_CLIPID are not defined.
- Action:** Configure the missing NLS User Indexes. FNP_ARCHIVE should be a date type user index. FNP_CLIPID should be an ASCII type user index.
-
- 238,1,12 Clipid is too long
(SDS_err_clipid_too_long)**
- Cause:** Clip_ID should not exceed the max info size. This is an unexpected error.
- Action:** If the problem persists, contact IBM Software Support for assistance.
-
- 238,2,1 IBM DR550 error that is fatal and results in SDS worker
termination**
- Cause:** A DR550 error occurred.

Action: Verify that the DR550 repository is up and functional.

238,2,2

SDS_ISAR_reader encountered DR550 error

Cause: A DR550 hardware issue occurred or the DR550 libraries might be an older version.

Action: Perform hardware diagnostics on underlying device. Check DR550 shared libraries installed on this system.

238,2,4

DR550 object path name is invalid

Cause: The DR550 object path name is invalid.

Action: If the problem persists, contact IBM Software Support for assistance.

238,2,5

IBM DR550 session has been disconnected

Cause: The IBM DR550 session has been disconnected.

Action: In most cases, the SDS_ISAR_reader will recover and reconnect. If the problem persists, perform hardware diagnostics on the underlying device.

238,2,6

IBM DR550 TCP/IP error.

Cause: An IBM DR550 network issue has occurred.

Action: In most cases, SDS_ISAR_reader will recover and reconnect. Check the TCP/IP installation and LAN connection. If the problem persists, perform hardware diagnostics on the underlying device.

238,2,7**No object is found on the IBM DR550**

Cause: No object is found on the IBM DR550 based on this object ID or query name.

Action: Verify that the DR550 storage device is online and functional. If the object has been deleted inadvertently, re-archived the document.

238,2,8**Cannot connect to IBM DR550**

Cause: Cannot connect to IBM DR550 because the node name of this server is not registered on IBM DR550.

Action: Follow IS documentation to set up a node name, management class and policy domain on DR550 before connecting to it. Verify that sds_conf file is correct.

238,3,1**SDSw connection error**

Cause: This error is typically caused by the repository or network being down.

Action: If the problem persists, verify that there are no network issues and that the SDSw device is functional.

238,3,2**SDSw out of Resources**

Cause: Caused by running out storage resource in the SDSw device. The SDS unit is in read only state.

Action: Add resources. Respond to the RSVP in the Storage Library Control (SLC) UI windows once the SDSw device has been reprovioned.

238,3,3**SDSw read and write permission error**

Cause: Caused by having insufficient permission to read or write from the SDSw device. This SDS unit will be disabled for reads and writes.

Action: Assign necessary permissions to Image Services SDS processes. Once permissions are assigned, respond to the RSVP in the Storage Library Control (SLC) UI windows.

238,3,4**SDSw write permission error**

Cause: Caused by having insufficient permission to write from the SDSw device. This SDS unit will be disabled for writes.

Action: Assign necessary permissions to Image Services SDS processes. Once permissions are assigned, respond to the RSVP in the Storage Library Control (SLC) UI windows.

238,3,5**SDSw read permission error**

Cause: Caused by having insufficient permission to read from the SDSw device. This SDS unit will be disabled for reads.

Action: Assign necessary permissions to Image Services SDS processes. Once permissions are assigned, respond to the RSVP in the Storage Library Control (SLC) UI windows

238,3,6**SDSw No object is found**

Cause: No object is found because it has been deleted.

Action: Verify that the SDSw storage device is online and functional. If the object has been deleted inadvertently, re-archive the document.

238,3,7**SDSw corrupt object**

Cause: Expected SDSw Centera tag does not exist and/or the doc_id in the Centera tag does not match the passed in doc_id

Action: If the SDS unit is foreign, the object might have been configured incorrectly. If the problem persists, contact IBM Software Support for assistance.

238,3,8**SDSw retryable error**

Cause: Look at the elog for expanded error message from SDSw unit.

Action: SDS will retry this type of error. View the elog to see if the request was successful after retries. If the request is a write request and SDS fails after retries have been exhausted, the SDS unit is disabled. RSVP will be generated. Address the underlying issue and respond to the RSVP. If the request is a read request and SDS fails after retries have been exhausted, the SDS unit is not disabled and an error is returned to the client if notify is used on retrieval. Verify that the SDSw storage device is online and functional.

238,3,9**SDSw not retryable error during a read**

Cause: Check the elog for an expanded error message from the SDSw unit.

Action: Verify that the SDSw storage device is online and functional.

238,3,10**SDSw not retryable error during a write**

Cause: Check the elog for an expanded error message from SDSw unit.

Action: Verify that the SDSw storage device is online and functional.

238,3,11**SDSw Could not allocate memory**

Cause: Shortage of memory. Either there is insufficient memory to run Image Services the way it has been configured or there is a memory leak in an Image Services processes or other process running on this box.

Action: Add memory or change Image Services configuration. If there is a memory leak, contact IBM Software Support for assistance.

238,3,12**SDSw get info error**

Cause: Information from the from SDS repository is not available. See extended error message from the SDSw device in the elog.

Action: Verify that the SDSw storage device is online and functional.

238,3,13**SDSw set retention error**

Cause: SDSw set retention error. The SDSw device might have been configured incorrectly.

Action: Verify that the SDSw device is set up correctly. Verify the Storage nodes are healthy. Refer to *Integral Single Document Storage and Retrieval Guidelines User Guide*. Note for centera: To update retention, every CLIP instance must be updated so every Storage node that contains a copy of this CLIP must be up and writable. When using the EMC Centera migration tool, a Storage node can be put into read only state so that retention updates might fail.

238,3,14**SDSw delete error**

Cause: Unable to delete an SDS object. See the extended error message from the SDSw device in the elog.

Action: This might have been configured incorrectly. See the User manual on setting up an SDSw repository device. If the problem persists, contact IBM Software Support for assistance.

238,3,15**SDSw unexpected repository error**

Cause: See the extended error message from the SDSw device in the elog.

Action: SDS will retry this type of error. View elog to see if the request was successful after retries. If the request is a write request and SDS fails after retries have been exhausted, SDS unit will be disabled. RSVP will be generated. Address the underlying issue and respond to the RSVP. If the request is a read request and SDS fails after retries have been exhausted, the SDS unit will not be disabled and an error is returned to client if notify is used on retrieval. Verify that the SDSw storage device is online and healthy.

238,3,16**SDS and SDSw version mismatch**

Cause: This occurs when the SDSw version or dependent libraries are too old.

Action: Verify that you have consistent SDSw and dependent libraries installed. Apply the latest IS fix pack to ensure that all dependant modules are installed.

238,3,17**SDSw get retention failed**

Cause: Retention is not available from the SDS repository. See the extended error message from the SDSw device in the elog.

Action: Verify that the SDSw storage device is online and healthy.

238,3,18**SDSw Repository: Duplicate object.**

Cause: The document object was already created. This can occur when migration to SDSw is interrupted after writing out.

Action: No action is required.

238,3,19**SDSw Invalid Parameter where SDS and SDSw or SDSw and repository libraries parameters do not match up**

Cause: SDS and SDSw or SDSw and repository libraries parameters do not match.

Action: Verify that you have consistent SDSw and dependent libraries installed. Apply the latest IS fix pack to ensure that all dependant modules are installed.

238,3,20**SDSw Repository: Pending delete**

Cause: The SDS repository reports that the deletion of an SDS object is pending.

Action: Verify that the SDSw storage device is online and functional.

238,3,21**SDSw delete error because retention setting of the object**

Cause: An SDS object could not be deleted. This can occur when an SDS object retention has not yet expired.

Action: If retention is set, wait until the document retention has expired. If the EBR document is not triggered, trigger the document and wait for the document retention to expire.

238,3,22**SDSw Repository: Object size mismatch from SDSw_create_object size and stat() call after object creation.**

Cause: There was a mismatch in blob size from SDSw_create_object size and stat() call after object creation.

Action: Example error log file for possible network or repository issues.

238,3,23**SDSw Repository: Invalid Parameter for SDSw dynamic device library and the native repository API.**

Cause: Occurs when the SDSw version or dependent libraries are too old.

Action: Verify that you have consistent SDSw and dependent libraries installed. Apply the latest IS fix pack to ensure that all dependant modules are installed.

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