

Oracle Berkeley DB

Message Reference Guide

12c Release 1

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Table of Contents

Introduction	2
Stripped Libraries	2
Localized Libraries	2
Message Organization	2
Access Methods Messages	4
External File Messages	6
Common Messages	7
Database Handle Messages	11
Environment Handle Messages	17
Locking Subsystem Messages	20
Logging Subsystem Messages	22
Memory Pool Messages	24
Replication Messages	25
Sequences Messages	30
Transaction Messages	31
Command Line Utilities Messages	33

Introduction

By default, Berkeley DB messages (error and informational) include both a message number and message text. The message number uses a BDB prefix, followed by a unique 4-digit number. The message text provides contextual information about the message.

When you build Berkeley DB, it is possible to remove the message text so as to minimize the library's footprint on devices where memory and storage are severely constrained. This is called a *stripped library*. It is also possible to add internationalization/localization support to the library. This is called a *localized library*.

Stripped Libraries

How you strip error messages from your library depends on the platform you are building on. For *nix platforms, you do this when you configure your build using the `--enable-stripped-messages` configuration option. Your messages will also be stripped if you configure for small builds.

For Windows, you can enable stripped messages using the `HAVE_STRIPPED_MESSAGES` build property. Your messages will also be stripped if you build a small memory footprint library.

Stripped libraries still issue error messages, but the only thing displayed is the error number — the text of the message is not available for the library to display. This document provides the missing error message text.

Localized Libraries

To support globalization, you must provide a localization function that translate message, as well as translation files used to map default messages to the localized text. You then must provide the proper flags at library build time to indicate that you have added localization to the library. An overview of this process is described in Globalization Support in the *Berkeley DB Programmer's Reference Guide*.

Message Organization

Message text is organized into tables, where each table identifies a specific portion of the library. Each such table is then sorted by message number.

The areas of the library which can issue messages are:

- Access method. These are error messages related to usage of the various access methods (Btree, Heap, Queue, and so forth).
- External File messages. These are error messages related to usage of external file (large object) methods.
- Common error messages. These are messages that can be commonly issued by any area of the library.
- Database error messages. These are error messages related to the usage of database handles.

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- Environment error messages. These are error messages related to the usage of environment handles.
 - Locking subsystem error messages.
 - Logging subsystem error messages.
 - Memory pool error messages.
 - Replication error messages. These error messages are issued by methods specific to either Base API or Replication Manager applications.
 - Sequences error messages.
 - Transactions error messages.
 - Command line utility error messages.

Access Methods Messages

Message Number	Message Text
1001	illegal record number size
1002	illegal record number of 0
1004	Existing data sorts differently from put data
1005	cursor adjustment after delete failed
1006	prefix comparison may not be specified for default comparison routine
1018	open method type is Btree, database type is Recno
1019	open method type is Recno, database type is Btree
1023	Compact cannot handle zero length key
1024	DB_RECNUM cannot be used with compression
1025	DB_DUP cannot be used with compression without DB_DUPSORT
1026	compression support has not been compiled in
1027	compression cannot be used with DB_RECNUM
1028	compression cannot be used with DB_DUP without DB_DUPSORT
1029	to enable compression you need to supply both function arguments
1030	compression support has not been compiled in
1031	minimum bt_minkey value is 2
1032	Existing data sorts differently from put data
1033	Both cursors must be initialized before calling DBC->cmp.
1122	Invalid flag in __ham_curadj_recover
1123	Cannot replicate prepared transactions from master running release 4.2.
1130	H_NOMORE returned to __hamc_get
1131	Existing data sorts differently from put data
1132	Attempt to return a deleted item
1133	library build did not include support for the Hash access method
1134	Extent size may not be specified for in-memory queue database
1135	Multiversion queue databases are not supported
1140	Extent size must be at least 1

Message Number	Message Text
1141	Queue does not support multiple databases per file
1143	illegal record number size
1144	illegal record number of 0
1145	library build did not include support for the Queue access method
1168	region size may not be 0
1170	The key/data pairs in the buffer are not sorted.
1171	The key/data pairs in the buffer are not sorted.
1172	The DBT items in the buffer are not sorted
1185	External file key.
1186	Error - found an external file in a duplicate data set.
1198	compression cannot be used with external files.

External File Messages

Message Number	Message Text
0211	Error, cursor does not point to an external file.
0212	Error, do not use DB_DBT_PARTIAL with DB_STREAM.
0213	Error, external file is read only.
0214	Error, do not use DB_DBT_PARTIAL with DB_STREAM.
0217	library build did not include support for external files
0218	library build did not include support for external files
0219	library build did not include support for external files
0220	library build did not include support for external files
0221	Error creating external file directory.
0233	Error reading external file.
0245	library build did not include support for external files
0246	External file id integer overflow.

Common Messages

Message Number	Message Text
0001	fcntl(F_SETFD)
0003	Transactional create on replication client disallowed
0040	Encrypted environment: library build did not include cryptography support
0041	unsupported byte order, only big and little-endian supported
0060	PANIC: fatal region error detected; run recovery
0061	PANIC
0062	Successful return: 0
0063	DB_BUFFER_SMALL: User memory too small for return value
0064	DB_DONOTINDEX: Secondary index callback returns null
0065	DB_FOREIGN_CONFLICT: A foreign database constraint has been violated
0066	DB_KEYEMPTY: Non-existent key/data pair
0067	DB_KEYEXIST: Key/data pair already exists
0068	DB_LOCK_DEADLOCK: Locker killed to resolve a deadlock
0069	DB_LOCK_NOTGRANTED: Lock not granted
0070	DB_LOG_BUFFER_FULL: In-memory log buffer is full
0071	DB_LOG_VERIFY_BAD: Log verification failed
0072	DB_NOSERVER: No message dispatch call-back function has been configured
0073	DB_NOTFOUND: No matching key/data pair found
0074	DB_OLDVERSION: Database requires a version upgrade
0075	DB_PAGE_NOTFOUND: Requested page not found
0076	DB_REP_DUPMASTER: A second master site appeared
0077	DB_REP_HANDLE_DEAD: Handle is no longer valid
0078	DB_REP_HOLDELECTION: Need to hold an election
0079	DB_REP_IGNORE: Replication record/operation ignored
0080	DB_REP_ISPERM: Permanent record written
0081	DB_REP_JOIN_FAILURE: Unable to join replication group
0082	DB_REP_LEASE_EXPIRED: Replication leases have expired
0083	DB_REP_LOCKOUT: Waiting for replication recovery to complete
0084	DB_REP_NEWSITE: A new site has entered the system
0085	DB_REP_NOTPERM: Permanent log record not written

Message Number	Message Text
0086	DB_REP_UNAVAIL: Too few remote sites to complete operation
0087	DB_RUNRECOVERY: Fatal error, run database recovery
0088	DB_SECONDARY_BAD: Secondary index inconsistent with primary
0089	DB_TIMEOUT: Operation timed out
0090	DB_VERIFY_BAD: Database verification failed
0091	DB_VERSION_MISMATCH: Database environment version mismatch
0096	Read-only transaction cannot be used for an update
0097	Transaction not specified for a transactional database
0098	Transaction specified for a non-transactional database
0099	Operation forbidden while secondary index is being created
0100	Transaction and database from different environments
0101	Transaction that opened the DB handle is still active
0103	DB environment not configured for transactions
0106	dbc_logging: Client update
0107	Dbc_logging: Master non-txn update
0114	architecture does not support locks inside system shared memory
0115	no base system shared memory ID specified
0120	architecture lacks mmap(2), shared environments not possible
0121	shmdt
0123	munmap
0124	fileops: munmap
0126	mmap
0127	mlock
0128	architecture doesn't support environments in system memory
0139	fcntl
0140	advisory file locking unavailable
0144	user-specified malloc function returned NULL
0146	User-specified realloc function returned NULL
0149	Guard byte incorrect during free
0151	fsync
0162	fcntl(F_SETFD)
0164	close

Message Number	Message Text
0166	fstat
0167	select
0172	Joining non-encrypted environment with encryption key
0173	Encryption algorithm not supplied
0174	Encrypted environment: no encryption key supplied
0175	Invalid password
0176	Environment encrypted using a different algorithm
0177	No cipher structure given
0178	Encrypted database: no encryption flag specified
0179	Database encrypted using a different algorithm
0180	Invalid password
0181	Unencrypted database with a supplied encryption key
0182	IPP AES NULL pointer error
0183	IPP AES length error
0184	IPP AES context does not match operation
0185	IPP AES srclen size error
0186	AES key direction is invalid
0187	AES key material not of correct length
0188	AES key passwd not valid
0189	AES cipher in wrong state (not initialized)
0190	AES bad block length
0191	AES cipher instance is invalid
0192	AES data contents are invalid
0193	AES unknown error
0194	AES error unrecognized
0195	Unencrypted checksum with a supplied encryption key
0196	Encrypted checksum: no encryption key specified
0198	no base shared memory ID specified
0200	shared memory segment already exists
0201	shared memory segment not initialized
0202	shared memory segment not initialized
0203	no segment name given
0204	Invalid segment id given
0205	shared memory segment not initialized

Message Number	Message Text
0207	DB_REP_WOULDROLLBACK: Client data has diverged
0208	DB_HEAP_FULL: no free space in db
0209	Exclusive database handles can only have one active transaction at a time.
0237	External file databases do not support DB_READ_UNCOMMITTED and TXN_SNAPSHOT
0243	External files require 64 integer compiler support.
0244	External files require 64 integer compiler support.
0247	DB_META_CHKSUM_FAIL: Checksum mismatch detected on a database metadata page
0248	msync failed on closing environment
0251	DB_SLICE_CORRUPT: One or more slices of this environment are malformed

Database Handle Messages

Message Number	Message Text
0503	Rename on temporary files invalid
0504	XA applications may not specify an environment to db_create
0505	Cannot open XA database before XA is enabled
0506	call implies an access method which is inconsistent with previous calls
0508	Database environment not configured for encryption
0511	page sizes must be a power-of-2
0516	DB_DBT_PARTIAL may not be set on key during join_get
0518	DB_SALVAGE requires a an output handle
0519	DB_ORDERCHKONLY requires a database name
0556	Subdatabase entry not page-number size
0559	Subdatabase entry of invalid size
0571	library build did not include support for database verification
0572	Databases may not become secondary indices while cursors are open
0573	Secondary index handles may not be re-associated
0574	Secondary indices may not be used as primary databases
0575	Primary databases may not be configured with duplicates
0576	Renumbering recno databases may not be used as primary databases
0577	The primary and secondary must be opened in the same environment
0578	The DB_THREAD setting must be the same for primary and secondary
0579	Callback function may be NULL only when database handles are read-only
0580	replication recovery unrolled committed transactions;open DB and DBcursor handles must be closed
0581	DB->del with DB_MULTIPLE(_KEY) requires multiple key records
0582	Database does not have a valid file handle
0584	DB_DBT_READONLY should not be set on data DBT.
0585	DB_MULTIPLE requires DB_DBT_USERMEM be set
0586	DB_MULTIPLE does not support DB_DBT_PARTIAL

Message Number	Message Text
0587	DB_MULTIPLE buffers must be aligned, at least page size and multiples of 1KB
0588	At least one secondary cursor must be specified to DB->join
0589	All secondary cursors must share the same transaction
0590	files containing multiple databases may only be opened read-only
0591	DB_TRUNCATE not supported on VxWorks
0592	DB_UNKNOWN type specified with DB_CREATE or DB_TRUNCATE
0594	database environment not yet opened
0595	environment did not include a memory pool
0596	environment not created using DB_THREAD
0597	DB_MULTIVERSION illegal without a transaction specified
0598	DB_MULTIVERSION illegal with queue databases
0600	Queue databases must be one-per-file
0601	DB->pget may only be used on secondary indices
0602	DB_MULTIPLE and DB_MULTIPLE_KEY may not be used on secondary indices
0603	DB_GET_BOTH on a secondary index requires a primary key
0604	DB->put forbidden on secondary indices
0605	DB->put: DB_MULTIPLE(_KEY) can only be combined with DB_OVERWRITE_DUP
0606	DB->put with DB_MULTIPLE(_KEY) requires a bulk key buffer
0607	DB->put with DB_MULTIPLE requires a bulk data buffer
0608	a partial put in the presence of duplicates requires a cursor operation
0609	DB->compact may not be called with active cursors in the transaction.
0610	Secondary indices may not be used as foreign databases
0611	Foreign databases may not be configured with duplicates
0612	Renumbering recno databases may not be used as foreign databases
0613	The associating database must be a secondary index.
0614	When specifying a delete action of nullify, a callback function needs to be configured
0615	When not specifying a delete action of nullify, a callback function cannot be configured

Message Number	Message Text
0616	Closing already-closed cursor
0617	DBCcursor->cmp dbc pointer must not be null
0618	DBCcursor->cmp both cursors must refer to the same database.
0619	DB_READ_UNCOMMITTED is not supported with DB_CONSUME or DB_CONSUME_WAIT
0620	DB_DBT_READONLY should not be set on data DBT.
0621	DB_MULTIPLE/DB_MULTIPLE_KEY require DB_DBT_USERMEM be set
0622	DB_MULTIPLE/DB_MULTIPLE_KEY do not support DB_DBT_PARTIAL
0623	DB_MULTIPLE/DB_MULTIPLE_KEY buffers must be aligned, at least page size and multiples of 1KB
0624	DBCcursor->pget may only be used on secondary indices
0625	DB_MULTIPLE and DB_MULTIPLE_KEY may not be used on secondary indices
0627	DB_GET_BOTH on a secondary index requires a primary key
0628	DBCcursor->put forbidden on secondary indices
0631	Cursor position must be set before performing this operation
0632	DB_AUTO_COMMIT may not be specified along with a transaction handle
0633	DB_AUTO_COMMIT may not be specified in non-transactional environment
0634	Partitioned databases may not be in memory.
0635	DB_CREATE must be specified to create databases.
0636	DBTYPE of unknown without existing file
0637	Partitioned databases may not be included with multiple databases.
0642	Checksum failure requires catastrophic recovery
0645	Cannot specify callback and range keys.
0646	Must specify at least 2 partitions.
0647	Must specify either keys or a callback.
0648	May not specify both keys and a callback.
0650	Partitioning may only specified on BTREE and HASH databases.
0651	Partitioning specified on a non-partitioned database.
0652	Incompatible partitioning specified.
0653	Partition callback not specified.

Message Number	Message Text
0654	Record numbers are not supported in partitioned databases.
0655	Zero partitions specified.
0656	Number of partitions does not match.
0657	Hash database must specify a partition callback.
0658	Partitioning only supported on BTREE and HASH.
0659	No range keys found.
0660	Keys found and callback set.
0661	Partition key 0 is not empty.
0663	A partitioned database can not be in a multiple databases file
0664	library build did not include support for the database partitioning
0665	upgrade not supported
0667	Attempt to upgrade an encrypted database without providing a password.
0674	Closing a primary DB while a secondary DB has active cursors is unsafe
0685	DB->truncate forbidden on secondary indices
0686	DB->truncate not permitted with active cursors
0688	CDS group has active cursors
0690	DB_LOG_NO_DATA may not be specified within a transaction.
0691	Remove on temporary files invalid
0692	Both cursors must be initialized before calling DBC->cmp.
0693	Both cursors must be initialized before calling DBC->cmp.
0694	DBCursor->cmp mismatched off page duplicate cursor pointers.
0695	Put results in a non-unique secondary key in an index not configured to support duplicates
0696	Duplicate data items are not supported with sorted data
0697	Write attempted on read-only cursor
0698	Attempt to execute cascading delete in a foreign index failed
0699	Foreign database application callback
0700	Attempt to overwrite item in foreign database with nullified value failed
0701	DB_PRIVATE is not supported by 64-bit applications in mixed-size-addressing mode
0708	Invalid positioning flag combined with DB_DBT_PARTIAL

Message Number	Message Text
0709	The primary key returned by pget can't be partial
0710	Invalid positioning flag combined with DB_DBT_PARTIAL
0711	The primary key returned by pget can't be partial.
0716	Target directory may not be null.
0731	Sync failed
0735	Can't flush log
0736	Can't get log file names
0744	Exclusive database handles cannot be threaded.
0745	Exclusive database handles require transactional environments.
0746	Exclusive database handles cannot be opened on replication clients.
0748	Write failed.
0749	Exclusive database handles can only have one active transaction at a time.
0750	Error, cannot set both DB_STREAM_WRITE and DB_STREAM_READ.
0751	Secondary and primary databases cannot support external files.
0752	Heap databases may not be used as secondary databases
0753	External file enabled databases do not support READ_UNCOMMITTED and TXN_SNAPSHOT.
0754	External file enabled databases do not support DB_READ_UNCOMMITTED.
0755	DB_MULTIVERSION illegal with external file enabled databases
0756	DB_READ_UNCOMMITTED illegal with external file enabled databases
0758	Unsupported flags when cloning the DBT.
0759	Unsupported flags when freeing the cloned DBT.
0760	Cannot enable external files in databases with duplicates.
0761	Cannot enable external files in databases with compression.
0763	Cannot enable duplicates with external file support.
0765	Offset or id size overflow.
0766	External file identifier overflow.
0767	External file size overflow.
0768	External file size overflow.

Message Number	Message Text
0769	External file size overflow.
0777	Attempt to upgrade an encrypted database without providing a password.
0778	Attempt to upgrade an encrypted database without providing a password.
0779	Attempt to upgrade an encrypted database without providing a password.
0782	Hot backup requires DB_LOG_EXT_FILE
0783	In-memory databases are not supported in Replication Manager preferred master mode

Environment Handle Messages

Message Number	Message Text
1501	Logging region out of memory; you may need to increase its size
1503	DB_ENV->failchk requires DB_ENV->is_alive be configured
1504	is_alive method specified but no thread region allocated
1505	thread table must be allocated when the database environment is created
1506	unable to allocate a thread status block
1507	Thread died in Berkeley DB library
1508	Unable to allocate thread control block
1510	First log record not found
1512	Last log record not found
1516	First log record not found
1528	DB_REGISTER limits processes to one open DB_ENV handle per environment
1539	Build signature doesn't match environment
1540	configured environment flags incompatible with existing environment
1543	unable to create new master region array
1546	unable to join the environment
1547	environment reference count went negative
1550	architecture does not support locks inside process-local (malloc) memory
1551	application may not specify both DB_PRIVATE and DB_THREAD
1552	region memory was not correctly aligned
1553	no room remaining for additional REGIONS
1554	Library build did not include statistics support
1555	library build did not include support for cryptography
1556	Empty password specified to set_encrypt
1557	library build did not include support for cryptography
1558	Environment panic set
1559	DB_TXN_NOSYNC and DB_TXN_WRITE_NOSYNC may not be used with DB_LOG_IN_MEMORY
1560	Attempt to decrement hotbackup counter past zero
1562	is_alive method specified but no thread region allocated

Message Number	Message Text
1563	is_alive method specified but no thread region allocated
1567	The DB_RECOVER flag was not specified, and recovery is needed
1568	Berkeley DB library does not support DB_REGISTER on this system
1569	registration requires transaction support
1570	Berkeley DB library does not support replication on this system
1571	replication requires locking support
1572	replication requires transaction support
1573	recovery requires the create flag
1574	recovery requires transaction support
1575	DB_FAILCHK requires DB_ENV->is_alive be configured
1576	DB_FAILCHK requires DB_ENV->set_thread_count be configured
1577	Berkeley DB library configured to support only private environments
1579	Database handles still open at environment close
1581	File handles still open at environment close
1583	block not at end of region
1588	Maximum memory size too large: maximum is 4GB
1589	DB_PRIVATE is not supported by 64-bit applications in mixed-size-addressing mode
1591	Warning: Ignoring ext_file_threshold size when joining environment
1592	Must set a view callback.
1593	Maximum number of bytes to display for each key/data item can not be 0.
1594	DB_PRIVATE is not supported in Replication Manager preferred master mode
1595	failchk crash after clean registry
1596	env_open DB_REGISTER w/o RECOVER panic: trying w/ recovery
1598	set_slice_count has already been specified for this environment
1600	allocation of 0-length block
1602	"slice all home" is not permitted

Message Number	Message Text
1603	"slice all" configurations may not include absolute paths
1604	The region directory cannot be set with DB_PRIVATE or DB_SYSTEM_MEM.
1605	replication is not compatible with slices
1606	A sliced environment cannot use DB_INIT_CDB

Locking Subsystem Messages

Message Number	Message Text
2001	library build did not include support for mutexes
2002	Win32 create event failed
2006	Win32 lock failed
2009	Win32 read lock failed
2012	Win32 unlock failed
2013	Unable to allocate memory for the mutex region
2014	Unable to allocate memory for mutexes from the region
2015	Unable to acquire/release a mutex; check configuration
2016	Unable to acquire/release a shared latch; check configuration
2018	DB_ENV->mutex_set_align: alignment value must be a non-zero power-of-two
2021	unable to initialize mutex
2023	pthread lock failed
2024	pthread readlock failed
2026	unable to destroy cond
2027	unable to destroy mutex
2028	TAS: mutex not appropriately aligned
2029	TAS: mutex initialize
2033	Mutex allocated before mutex region.
2034	unable to allocate memory for mutex; resize mutex region
2036	Locker does not exist
2039	Not a child transaction
2040	Locker does not exist
2041	lock_open: incompatible deadlock detector mode
2042	unable to allocate memory for the lock table
2043	DB_ENV->set_lk_detect: unknown deadlock detection mode specified
2044	DB_ENV->set_lk_detect: incompatible deadlock detector mode
2048	DB_ENV->lock_detect: unknown deadlock detection mode specified
2054	library build did not include support for locking
2058	Warning: Ignoring DB_SET_LOCK_TIMEOUT when joining the environment.

Message Number	Message Text
2059	Warning: Ignoring DB_SET_TXN_TIMEOUT when joining the environment.
2069	pthread unlock %s: already unlocked
2076	DB_ENV->set_lk_conflicts: nmodes cannot be 0.
2077	DB_ENV->set_lk_partitions: partitions cannot be 0.

Logging Subsystem Messages

Message Number	Message Text
2501	Set either an lsn range or a time range to verify logs in the range, don't mix time and lsn.
2503	callback: initialization
2507	Commonly caused by moving a database from one database environment
2508	to another without clearing the database LSNs, or by removing all of
2509	the log files from a database environment
2510	Logging not currently permitted
2511	DB_ENV->log_put is illegal on replication clients
2512	Non-replication DB_ENV handle attempting to modify a replicated environment
2514	Write failed on MASTER commit.
2515	Short read while restoring log
2517	Database environment corrupt; the wrong log files may have been removed or incompatible database files imported from another environment
2518	DB_ENV->log_file is illegal with in-memory logs
2519	DB_ENV->log_file: name buffer is too short
2522	DB_ENV->log_put is illegal on replication clients
2523	library build did not include support for log verification
2524	unable to allocate log region memory
2525	No log files found
2533	log record checksum mismatch
2534	Warning: truncating to point beyond end of log
2535	In-memory log buffer is full (an active transaction spans the buffer)
2570	no absolute path for the current directory
2571	log file auto-remove
2572	DB_ENV->log_archive: bad log record
2573	DB_ENV->log_archive: unable to read log record
2574	DB_LOGC->get: unset cursor
2576	Encountered zero length records while traversing backwards
2579	DB_LOGC->get: catastrophic recovery may be required

Message Number	Message Text
2584	Must provide a configuration structure.
2585	Warning: Ignoring maximum log file size when joining the environment
2586	Warning: Ignoring DB_LOG_AUTO_REMOVE when joining the environment.
2587	DB_LOG_IN_MEMORY is not supported in Replication Manager preferred master mode

Memory Pool Messages

Message Number	Message Text
0511	page sizes must be a power-of-2
3003	individual cache size too large: maximum is 4GB
3004	individual cache size too large: maximum is 10TB
3005	Truncate beyond the end of file
3006	Can't get the required free size while operating in mixed-size-addressing mode
3014	unable to create temporary backing file
3017	unable to allocate space from the buffer cache
3019	cannot remove the last cache
3025	DB_MPOOLFILE->get: buffer data is NOT size_t aligned
3026	Unable to allocate memory for mpool region
3029	DB_ENV->memp_fcreate: method not permitted when replication is configured
3030	get_fileid: file ID not set
3033	DB_MPOOLFILE->open: page sizes must be a power-of-2
3034	DB_MPOOLFILE->open: clear length larger than page size
3035	DB_MPOOLFILE->open: temporary files can't be readonly
3036	DB_MPOOLFILE->open: DB_MULTIVERSION requires transactions
3039	Cannot open DURABLE and NOT DURABLE handles in the same file
3041	DB_MULTIVERSION cannot be specified on a database file that is already open
3044	Warning: Ignoring maximum memory map size when joining environment
3045	Warning: Ignoring max open file descriptors value when joining environment
3046	Warning: Ignoring maximum sequential writes value when joining environment

Replication Messages

Message Number	Message Text
3502	Client initialization failed. Need to manually restore client
3504	Operation locked out. Waiting for replication lockout to complete
3509	Operation locked out. Waiting for replication lockout to complete
3513	DB_ENV->rep_process_message: control argument must be specified
3514	Environment not configured as replication master or client
3515	DB_ENV->rep_process_message: error retrieving DBT contents
3520	Inconsistent lease configuration
3527	DB_ENV->rep_elect: cannot call from Replication Manager application
3528	DB_ENV->rep_elect: must be called after DB_ENV->rep_set_transport
3529	DB_ENV->rep_elect: must be called after DB_ENV->rep_start
3530	DB_ENV->rep_elect: nsites must be zero if leases configured
3535	Application type mismatch for a replication process joining the environment
3550	DB_ENV->rep_set_config: leases must be configured before DB_ENV->rep_start
3551	DB_ENV->rep_set_config: leases cannot be turned off
3552	DB_ENV->rep_start: cannot call from Replication Manager application
3553	DB_ENV->rep_start: must specify DB_REP_CLIENT or DB_REP_MASTER
3554	DB_ENV->rep_start: must be called after DB_ENV->rep_set_transport
3555	DB_ENV->rep_start: must call DB_ENV->rep_set_timeout for leases first
3556	DB_ENV->rep_start: Cannot become master during internal init
3557	rep_start: Cannot become master without being elected when using leases.
3558	rep_start: Cannot become master with outstanding lease granted.
3559	First record not found

Message Number	Message Text
3563	Attempt to get first log record failed
3564	Final log record not found
3565	DB_ENV->rep_set_nsites: cannot call from Replication Manager application
3566	timeout value must be > 0
3569	Unknown timeout type argument to DB_ENV->rep_set_timeout
3570	unknown timeout type argument to DB_ENV->rep_get_timeout
3571	DB_ENV->rep_set_request: Invalid min or max values
3572	DB_ENV->rep_set_transport: cannot call from Replication Manager application
3573	DB_ENV->rep_set_transport: no send function specified
3574	DB_ENV->rep_set_transport: eid must be greater than or equal to 0
3575	DB_ENV->rep_set_clockskew: Zero only valid for when used for both arguments
3576	DB_ENV->rep_set_clockskew: slow_clock value is larger than fast_clock_value
3577	DB_ENV->rep_set_clockskew: must be called before DB_ENV->rep_start
3578	DB_ENV->rep_flush: must be called after DB_ENV->rep_set_transport
3579	DB_ENV->rep_sync: must be called after DB_ENV->rep_set_transport
3580	non-replication commit token in replication env
3581	library build did not include support for replication
3582	closing socket
3583	releasing WSA event object
3584	can't create listen socket
3585	can't set REUSEADDR socket option
3586	can't bind socket to listening address
3587	listen()
3588	can't unblock listen socket
3589	unable to initialize Windows networking
3590	can't create event for listen socket
3593	EnumNetworkEvents

Message Number	Message Text
3614	select loop failed
3615	accept error
3616	can't set nonblock after accept
3617	connector thread failed
3618	set_nonblock in connect thread
3619	illegal size for rep msg
3624	handshake is missing rec part
3625	malformed V1 handshake
3626	can't set KEEPALIVE socket option
3627	bad ack msg size
3628	library build did not include support for the Replication Manager
3629	unexpected election failure
3630	pthread_attr_init in repmgr_thread_start
3631	pthread_attr_setstacksize in repmgr_thread_start
3632	can't access signal handler
3633	can't access signal handler
3634	select
3635	repmgr_start: unrecognized flags parameter value
3636	Replication Manager needs an environment with DB_THREAD
3637	A local site must be named before calling repmgr_start
3638	Could not clean up repmgr
3639	A non-zero flags value is required for initial repmgr_start() call
3640	repmgr is already started
3642	can't configure repmgr elections from subordinate process
3643	subsequent repmgr_start() call may not specify DB_REP_ELECTION
3644	repmgr_start: nthreads parameter must be >= 0
3645	can't start selector thread
3646	unknown ack_policy in DB_ENV->repmgr_set_ack_policy
3648	repmgr_site: a host name is required
3650	DB_ENV->repmgr_channel: must be called after DB_ENV->repmgr_start
3651	repmgr is stopped

Message Number	Message Text
3653	set_nonblock channel
3654	DB_CHANNEL->send_request() not supported on DB_EID_BROADCAST channel
3655	No message dispatch call-back function has been configured
3656	Application failed to provide a response
3657	a response has already been sent
3658	originator does not accept multi-segment response
3659	originator's USERMEM buffer too small
3662	Can't determine EID before env open
3663	Site config value not applicable to local site
3665	Unrecognized site config value
3666	A previously given local site may not be unset
3669	repmgr is not running
3670	No message dispatch call-back function has been configured
3671	Application failed to provide a response
3672	Nsites unknown before repmgr_start()
3673	rep_start
3674	A mismatching local site address has been set in the environment
3675	Not enough input bytes to fill a __repmgr_lsnhist_match message
3682	unexpected connection info in record_permlsn
3685	View site cannot become master
3686	Application environment and view callback mismatch
3687	View sites may not participate in elections
3688	Application environment and view mismatch joining the environment
3694	A view site must be started with DB_REP_CLIENT
3695	A view site must be started with a view callback
3696	Current local site conflicts with earlier definition
3697	A (different) local site has already been set
3698	Local site cannot have HELPER or PEER attributes
3699	Site is not recorded as a view in the group membership database
3700	can't enable event for listener
3701	More than two sites in preferred master replication group

Message Number	Message Text
3702	A preferred master site must be started with DB_REP_CLIENT
3703	More than two sites in preferred master replication group
3704	External file offset overflow
3705	External files require 64 integer compiler support.
3709	DB_ENV->rep_set_config: could not complete automatic preferred master configuration
3712	pthread_attr_destroy in repmgr_thread_start
3714	DB_ENV->rep_set_nsites: nsites cannot be 0.

Sequences Messages

Message Number	Message Text
4001	Zero length sequence key specified
4002	Sequences not supported in databases configured for duplicate data
4003	Sequence value out of range
4004	Sequence create failed
4005	Bad sequence record format
4008	Sequence value out of range
4009	Minimum sequence value must be less than maximum sequence value
4010	Bad sequence record format
4011	Sequence overflow
4012	Sequence update failed
4013	Sequence overflow
4014	Number of items to be cached is larger than the sequence range
4015	library build did not include support for sequences
4016	Heap databases may not be used with sequences.

Transaction Messages

Message Number	Message Text
4502	Transaction has in memory logs
4504	Transaction abort failed
4505	operation not permitted while in recovery
4507	No log records
4508	Unable to allocate memory for the transaction region
4511	Error: closing the transaction region with active transactions
4518	txn_checkpoint: failed to flush the buffer cache
4519	txn_checkpoint: failed to flush the buffer cache
4521	Family transactions cannot have parents
4522	Child transaction snapshot setting must match parent
4523	Unable to allocate transaction recycle buffer
4524	operation not permitted during recovery
4525	Unable to allocate memory for transaction detail
4526	commit token unavailable for nested txn
4527	may not be called on a replication client
4528	DB_TXN->prepare: log_write failed
4529	Unable to allocate memory for transaction name
4530	operation not permitted during recovery
4531	transaction has active cursors
4532	not a restored transaction
4533	Prepare disallowed on child transactions
4534	transaction already prepared
4536	DB_TXN->abort: in-memory log undo failed
4538	Child transaction is active
4539	replication commit token in non-replication env
4540	xa_get_txn: transaction begin failed
4541	xa_get_txn: XA transaction with parent
4542	xa_get_txn: transaction does not exist
4543	xa_get_txn: txn_continue fails
4544	xa_get_txn: os_malloc failed
4545	xa_open: Failure creating env handle
4546	xa_open: Failure setting thread count

Message Number	Message Text
4547	xa_open: Failure opening environment
4548	xa_open: Failure getting log configuration
4549	xa_open: In-memory logging not allowed in XA environment
4550	xa_start: failure mapping xid
4551	xa_end: failure mapping xid
4552	xa_end: cannot end with open cursors
4553	xa_end: txn_detail mismatch
4554	xa_end: ending transaction that is idle
4555	xa_prepare: failure mapping xid
4556	xa_prepare: xid not found
4557	xa_prepare: transaction neither active nor idle
4558	xa_prepare: txnp->prepare failed
4559	xa_commit: failure mapping xid
4560	xa_commit: xid not found
4561	xa_commit: committing transaction active in branch
4562	xa_commit: attempting to commit unprepared transaction
4563	xa_commit: txnp->commit failed
4564	xa_recover: txn_get_prepared failed
4565	xa_rollback: failure mapping xid
4566	xa_rollback: xid not found
4568	xa_rollback: failure aborting transaction
4569	xa_forget: failure mapping xid
4570	xa_forget: xid not found
4571	xa_forget: txnp->discard failed
4572	DB_TXN_SNAPSHOT may not be used on a replication client
4573	Transaction has in memory logs
4574	DB_TXN->set_name: name cannot be empty.
4576	A transaction tried to access a second slice
4577	Sliced environments do not support distributed transactions

Command Line Utilities Messages

Message Number	Message Text
5001	Unsupported database type
5007	Unknown statistics flag
5008	close
5011	callback: initialization
5012	callback: initialization
5013	tx: dispatch
5017	data:
5027	cannot specify -d and -c
5028	cannot specify -D and -d or -l
5030	no source database environment specified
5031	no target backup directory specified
5033	DB_CONFIG must not contain an absolute path for the log directory
5043	HOT BACKUP FAILED!
5074	No keys specified in file
5075	Keys specified in file
5076	Btree and Hash must specify keys
5077	improper database type conversion specified
5078	no database type specified
5079	odd number of key/data pairs
5081	command-line configuration uses name=value format
5083	error reading db name
5088	unable to allocate memory
5089	boolean name=value pairs require a value of 0 or 1
5090	unexpected end of input data or key/data pair
5093	Program name too long
5096	received panic event
5101	open
5106	close
5117	close
5127	Heap must not specify keys
5128	improper database type conversion specified
5130	Password may not be specified twice

Message Number	Message Text
5131	Password may not be specified twice
5132	Password may not be specified twice
5133	Password may not be specified twice
5134	Password may not be specified twice
5135	Password may not be specified twice
5136	Password may not be specified twice
5137	Password may not be specified twice
5138	Password may not be specified twice
5139	Password may not be specified twice
5140	The environment does not exist or cannot be opened. "-F" is required.
5141	use of -l with DB_CONFIG file is deprecated
5142	Queue and recno databases cannot support external files
5143	Encountered a data item too large to store in the database. Enable ext_file_threshold to store it.
5144	External file directory may not be specified twice