



# Caché Error Reference

Version 2018.1  
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*Caché Error Reference*

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# 1

## General Error Messages

This document contains tables of numeric error codes and their corresponding error messages. Commonly, these error codes are reported as `ERROR #nnn`. These error codes are sometimes referred to as `%Status` error codes.

The `$SYSTEM.Status` class methods used for handling these error codes are documented in the *InterSystems Class Reference*.

You can determine the error message for a specified error code using the **DisplayError()** and **Error()** methods, as shown in the following example displaying error code #101, where the embedded message variables are `%1="5"`, `%2="10"`, and `%3="2.7"`:

### ObjectScript

```
DO $SYSTEM.Status.DisplayError($SYSTEM.Status.Error(101,"5","10","2.7"))
```

- Two error codes, 83 and 5001, are provided to enable you to generate your own custom error messages. For details refer to the `%SYSTEM.Status` class in the *InterSystems Class Reference*.
- Two error codes, 5521 and 5540, are provided for [SQLCODE errors](#). For details refer to the `%SYSTEM.Error` class in the *InterSystems Class Reference*.

For more information on using these error codes, refer to [%Status Error Processing](#) in the “Error Processing” chapter of *Using Caché ObjectScript*. For more information on CSP-related error codes, see the [CSP Error Notes](#) section of *Using Caché Server Pages (CSP)*.

## 1.1 Error Codes 0 to 999

**Table 1–1: General Error Codes - 0 to 199**

Error Code	Description
1	the volume already exists
2	the read of the map block failed
3	error writing map blk of primary volume
4	unable to read the global directory map block
5	unable to write the global directory map block
6	unable to write the global directory block

Error Code	Description
13	failed opening the next volume
14	failed reading the next volume's map block
15	the directory name is too long
16	the number of maps is invalid
17	the size is out of range
18	failed creating a new volume
19	the file was already mounted
20	the file already exists
21	a file create is in progress
22	the current # of maps is too small
23	unable to expand the file
24	the file is cluster mounted
25	unable to allocate CFN
26	incompatible mount state or db does not exist
27	the system mgr's database cannot be cluster mounted
28	the database is in transition
30	the system is not part of the cluster
31	can't change the mode of a mounted database
32	there is not enough space on device for new vol
33	the new volume exceeds the system file size limit
34	unknown error writing to new volume
35	the database is being expanded
36	the database is not mountable
37	the database is mounted elsewhere
38	there is no room in GVXTAB for secondary volumes
39	the volume is readonly
40	databases cannot be deleted while they are cluster mounted
41	the directory was not found
42	The database name is invalid
43	the write daemon failed to set the READ/WRITE flag in label
44	the expansion failed to start
45	some or all database files were not deleted
51	unknown and unexpected error
52	invalid argument

Error Code	Description
53	target could not be opened
54	target could not be read
55	target could not be written to
56	the database is being restored
57	the database does not exist
58	the operation requires too many bitmap blocks
59	the allocation new bitmap blks failed
60	the database must be dismounted to do this
61	the database must be privately mounted for this
62	global directory must be empty
63	cannot cluster mount cachetemp
64	cannot dismount cachetemp
65	cannot reinitialize mounted database
66	the resource name in the database is not known to the system
67	the encryption key for this database is not activated
68	the mounted database count exceeds license limit
69	read/write state of mirrored databases can only be changed on the primary
70	*** Error while formatting volume because
71	Not owner
72	No such raw disk device
73	No such directory
74	I/O error
75	No such device or address
76	Permission to access file denied
77	Device or resource busy
78	File already exists
79	No such device or inappropriate use
80	File table overflow
81	Too many open files
82	Read-only file system
83	Error code = %1
84	Audit Database Max size must be set to 0
85	Operation is not permitted when running in single user mode
86	the database default collation is not available

Error Code	Description
87	the database block size is too small to support direct I/O
88	direct I/O is not supported on NFS filesystems
89	database must be opened for direct I/O because async I/O is enabled
90	2K database block size no longer supported
91	Creation of Database Extent is not allowed
92	Database was created in system with different endian
93	Journaling is required for Audit database

Error Code	Description
101	Top Pointer Level: # of blocks=%1 %2kb (%3% full)
102	Bottom Pointer Level: # of blocks=%1 %2kb (%3% full)
103	Pointer Level: # of blocks=%1 %2kb (%3% full)
104	Top/Bottom Pnt Level: # of blocks=%1 %2kb (%3% full)
105	Data Level: # of blocks=%1 %2kb (%3% full)
106	Total: # of blocks=%1 %2kb (%3% full)
107	Elapsed Time = %1 seconds, Completed %2
108	Error of type %1 while processing pointer block %2
109	The error occurred while processing node %1
110	The lower level block specifies a right link block of %1.
111	Error of type 1. View buffer not open or this dataset can't be mounted.
112	which is the first block on this level.
113	which has a left neighbor pointer block of %1
114	The pointer block is degraded and can't be parsed.
115	The lower level block is degraded and can't be parsed.
116	The global reference input as the expected first node is too long.
117	The pointer block's 1st node - %1 points to block %2. We were expecting it to point to %3, which is the right link of the last lower block of the previous pointer block.
118	The pointer block's 1st node is: %1. It does not
119	follow the last global reference.
120	equal the expected global reference based upon the right link data.
121	of the last lower block of the previous pointer block, which is: %1.
122	which is %1 pointing to the lower level block %2
123	*****Global %1 is Not OK*****
124	Global ^%1 is OK
125	The lower level block has a block type of %1

Error Code	Description
126	whereas we were expecting %1
127	The pointer block expected the data block to have
128	The pointer block did not expect the data block to have any
129	big strings but the data block's type information
130	big strings but the data block's big string count
131	says it does not.
132	says it does.
133	The lower level block's info about the first node in the next block is wrong.
134	The length in blnextpntlen4 is 0 but there is a right link
135	The length in blnextpntlen4 is nonzero but there is no right link
136	The length in blnextpntlen4 is too long for a global reference.
137	The reference described by blnextpntlen4/blnextpntvalue4
138	doesn't follow the last node in the block.
139	The length in blnextpntlen4 does not match the length of the first node in the next block
140	The lower level block has a value in blnextpntlen4
141	The lower level block has a value in blnextpntoff44
142	but this isn't a data block
143	blnextpntoff4 but this isn't a big database data block
144	(discovered while looking for big strings in the block)
145	The data block's count of big strings is %1.
146	whereas its block type specifies
147	there should be big strings.
148	there should not be big strings.
150	The data block has a syntax error
151	in its big string info
152	Map block %1 has a label error
153	The lower block %1 isn't allocated in map block %2
154	The data block points to a big string stored in block %1
155	that isn't allocated from its map block %1.
156	The pointer block is empty.
157	The lower block has a right link global reference that doesn't
158	Match what was expected in the next pointer node's global reference.
159	We would expect the lower block's last node to collate earlier.
160	We would expect them to be equal.

Error Code	Description
161	The lower block's right link reference is %1
162	The pointer block's next reference is %1.
163	The pointer node's global reference doesn't match
164	the 1st node of the lower block.
165	The lower block's 1st node is %1.
166	Since it is a big database data block it should match
167	the first blpntlen4 bytes of the first node, which is %1.
168	That doesn't match the next pointer node in the pointer block, which is %1.
169	The pointer node specifies a block # %1
170	That is out of the range of this database.
171	The pointer block has a right link of %1.
172	No longer present on disk.
173	Block %1 is not a pointer block type: %2
174	Top block %1 does not have a top pointer block type: %2
175	Lower level pointer block %1 has a top pointer block type: %2
176	Big Strings: # of blocks=%2 %3MB (%4% full) # = %1
177	Big Strings: # of blocks=%2 %3kb (%4% full) # = %1
178	The database cannot be mounted because
179	An unexpected error occurred: %1
180	Value (report to InterSystems) = %1
181	***Further checking of this directory is aborted.
182	***Further checking of this global is aborted.
183	***We will continue checking with the next pointer block at this level.
184	The database is not mounted.
185	Inserted new node %1 at end of block.
186	Consider if this node should be in this block.
187	Inserted new node 1 at beginning of block.
188	Changes are needed in other blocks.
189	Inserted as new node %1.
190	Old node %1 and subsequent nodes have been shuffled up.
191	Node already exists (Node %1).
192	*** Not enough room in block. ***
193	...Deleted. (Higher numbered nodes have been shuffled down.)
194	Deleted 1st node in block.

Error Code	Description
195	***Type is %1 - Invalid Type.
196	***Offset improper: %1 shouldn't be > %2
197	Top Pointer Level: # of blocks=%1 %2MB (%3% full)
198	Bottom Pointer Level: # of blocks=%1 %2MB (%3% full)
199	Pointer Level: # of blocks=%1 %2MB (%3% full)

**Table 1–2: General Error Codes - 200 to 399**

Error Code	Description
200	Top/Bottom Pnt Level: # of blocks=%1 %2MB (%3% full)
201	Data Level: # of blocks=%1 %2MB (%3% full)
202	Total: # of blocks=%1 %2MB (%3% full)
203	but the lower block has a right link of %1.
204	***Map Error: The count field in map block %1 says %2 but the counted total is %3.
205	Integrity Job failed to start.
206	Stop integrity check?
207	Stop checking directory?
208	Stop checking global?
209	This points to big string block %1 but that has type %2
211	The pointer block contains the wrong global
212	Cannot insert long strings.
213	Creating 2k databases not allowed.
214	There are %1 duplicate pointers, the first is global %2 pointing to %3.
215	There is a duplicate pointer, global %1 pointing to %2.
216	'^%1' is not a valid global name.
217	Global name '^%1' is too long (over %2).
250	The stored value of the next pointer in this data block does not match the actual next pointer or blnextptlen4 is incorrect.
251	Node #%1 in block #%2 contains an invalid subscript length
252	Collate #%1 in the block does not match with the collate #%2 in global directory
253	Block offset in bigstring block #%1 has bad value #%2.
254	The bigstring block #%1 is pointed with a bad block value #%2.
255	Block #%1 changed during integrity check, counts may be incorrect
256	Block #%1 changed during integrity check, might be OK, check should be rerun for this global
257	Unable to read global directory block #%1

Error Code	Description
258	Invalid name %1 in global directory block #%3, entry %2
259	%1 block %2 is corrupt
260	%1 block %2 has incorrect type
261	%1 block %2 has incorrect label
262	%1 block %2 has incorrect map number
263	%1 block %2 has incorrect incremental file number
264	%1 block %2 has incorrect database creation time
265	%1 block %2 is marked as bad
266	The top pointer block %1 is not marked as allocated
267	%1 errors found during integrity check
268	whereas we were expecting a pointer block type (2 or 6)
269	Global directory block %1 points back to previous block %2 in chain
270	Global directory block %1 has invalid type %2
271	*** Warning: Counts for global %1 may not be correct, one or more blocks changed during check ***
272	*** Warning: Global %1 might be corrupt, should be rechecked ***
273	*** Errors were detected, but only in blocks that changed during check ***
274	which is %1 in data block %2
275	which is %1 pointing to a lower level block, however, node may have been deleted. Re-run this check to be sure
276	The top pointer block %1 has a right link %2
277	Level %1 possibly has an infinite loop, should have %2 blocks, seen %3 already
278	Level %1 possibly has an infinite loop, pointer block %2's right link %3 seen already
279	That doesn't match the next pointer node in the pointer block, however, node may have been deleted. Re-run this check to be sure.
280	Error parsing global directory block %1. Some globals may be unavailable.
281	Block offset in the pointer block has a bad value.
282	Block offset in the lower level block has a bad value.
283	Error parsing pointer block %1.
284	%1 block %2 isn't allocated from its map block %3.
Error Code	Description
300	the database is not mounted.
301	the database has degradation.
302	the database is read-only.



Error Code	Description
303	A primary volume already exists in %1.
304	A secondary volume already exists in %1.
305	You must choose another location for this primary volume.
306	You must choose another location for this secondary volume.
307	Created %1 but failed to mount it. Mount error is %2.
308	Global %1 not found.
309	Global already defined.
310	CacheTemp can't be the Manager's database
311	Failed to designate %1 as cachetemp
312	Failed to lookup sfm for cachetemp
313	Modify of %1 failed because
314	This is not a database file %1
315	The database was created but not formatted.
316	Cannot delete %1 because
317	Cannot delete database.
318	Deleting mirrored database %1 is not allowed.
319	Completed reclaiming routine blocks for %1.
320	Create failed because: %1
321	Could not set Keep Type for %1 because
322	%1 not mounted because %2 networking is not active.
323	Cluster mount failed for %1.
324	This global directory is corrupt.
325	Could not set journaling type for %1 because
326	Could not set protection for %1 because
327	There are no %1 KB buffers (or bigger) configured.
328	Could not set collation for %1 because
329	Database Error in ^%1, (report to InterSystems)
330	Block %1 is not used in any global
331	Block passed is wrong length: %1
332	Big string block, use Block Dump option
333	Global %1 already exists
334	Cannot create global %1
335	Global %1 would be remote, not allowed
336	%1 is not a legal name

Error Code	Description
337	Cannot write to file %1
338	Cannot read input file %1, error is %2
339	%1 is not a good configuration file
340	File %1 is not available
341	Block number %1 is too high for this database
342	Block %1 is not a map block
343	Block %1 is not the correct map block for %2
344	Function not supported for legacy databases
345	Cannot dismount manager's database
346	Cannot modify this parameter if database exists
347	Cannot set size less than current size of %1MB
348	Invalid Parameter for this Operation
349	Database must exist before adding volumes
350	Failed to mount %1, the reason is
351	Error reclaiming routine blocks for %1 :
352	Map block %1 is corrupt
353	Database in %1 created with %2 MB instead of requested %3 MB
354	Comm device(s) are currently in use
355	Database creation with block size %1 is not allowed
356	Database %1 cannot be mounted, resource %2 is unknown to the system
357	FileCompact failed: Insufficient global buffers
358	FileCompact failed: Compaction in progress
359	FileCompact: Freespace maximum reached
360	FileCompact failed: Freespace requested exceeds filesize
361	Defragmentation failed: Insufficient file space
362	Defragmentation failed: Insufficient space
363	Adding system database %1 to mirrored DB is not allowed
364	Cannot display contents of mirror information block
365	Namespace %1 is not available. Either the default database is not mounted, or you do not have permission to access it
366	Database must be larger than minimum allocated size
367	Import of global '%1' needs collation #'%2', not available, skipping import of this item
368	Failed to return all cached free blocks in cachetemp

Error Code	Description
369	Failed, process id %1 has a truncation, compaction or defragmentation operation in progress in this database
370	The Expansion Size or Maximum Size must be an integer
371	Database %1 is dismounted
372	Database %1 is read only
373	Database %1 is cluster mounted
374	Database %1 is not journaled
375	Journaling is not enabled
376	The collation of some system globals is incorrect
377	Namespace %1 is not available via ECP. ECP Status returned: %2
378	Failed: Truncation in progress
379	Failed: Unexpected block type encountered
380	Completed but skipped some blocks, details recorded in the console log.
381	Stopped at an unmoveable block, details recorded in the console log.
382	Unable to get directory info for global %1, Error: %2
383	Global names for the start node %1 and end node %2 must be the same
384	Global range %1 must come after %2
385	Database ExpansionSize %1MB is less than %2MB which is the minimum value of %3KB block size database.
386	%1 is not a valid operation for cachetemp
387	%1 is not supported on VMS
388	Unknown error, code %1
389	Failed due to backup in progress
390	Failed due to expansion in progress
391	Mirrored database has %1 KB block size in primary and there are no buffers configured for it
392	Mirrored database has %1 KB block size in primary and it is not allowed in local system
393	Unknown system name %1

**Table 1–3: General Error Codes - 400 to 599**

Error Code	Description
400	, LINE:'%2=%3' at line %1
401	at line %1
402	Not enough fields
403	Invalid line, LINE:'%1'

Error Code	Description
404	No version information found in file '%1', file may be corrupt
405	Invalid version '%1'
406	Invalid parameter name '%1'
407	Invalid value for property '%1'
408	The following parameters are missing from section %1: '%2'
409	Cannot delete section %1
410	Too many fields
411	File %1 has been edited, cannot modify from the management portal
412	Invalid map keyword %1
415	Invalid or duplicate section name %1
416	Duplicate line detected
417	Duplicate entry %1 detected
418	Section '['%1']' already exists
419	%1 %2 already exists
420	%1 %2 does not exist
421	%1 map %2 in namespace %3 does not exist
422	%1 map %2 in namespace %3 already exists
423	Cannot delete server %1, in use by the following databases: %2
424	Device name cannot be the same as the Alias
425	Data server %1 not defined
426	Data server %1 not allowed for system databases
427	Cannot delete system database %1
428	Namespace %1 already exists
429	Cannot delete database %1, in use by the following namespaces: %2
430	MountAtStartup, ClusterMountMode, and MountRequired not allowed for a remote server
431	System database cannot be cluster mounted
432	Required database %1 is not defined
433	Namespace %1 does not exist
434	Cannot delete system namespace %1
435	Required namespace %1 is not defined
436	[%1] section must be defined before [Databases] section
437	[Databases] section must be defined before [Namespaces] section
438	[DeviceSubTypes] section must be defined before [Devices] section
439	[Namespaces] section must be defined before [%1] section

Error Code	Description
440	These sections are missing: %1
441	Further processing is aborted
442	System does not support clustered databases
444	Comment length must be less than %1 characters
445	Comment must start with one of the comment chars '%1'
446	Invalid nested comment, LINE:'%1'
447	No end comment '%1' found
448	Invalid routine type %1
449	Cannot map routine %1 when %2 already exists
450	%1 data server %1 already defined
451	You must delete mapping %1 before deleting mapping %2
452	Mapping %1 already exists
453	Cannot quiesce the system for namespace reactivation
454	Global mapping %1 must be defined before subscript mapping %2
455	Database %1 required, but could not be mounted
456	[config] MaxServers parameter must be increased to at least %1
457	Invalid namespace name
458	Invalid server name
459	Database %1 already exists
460	Invalid collation %1
461	System does not support IPv6
462	Invalid block size %1
463	Database %1 is not allowed for ECP Mirror Connection
464	ECP Server %1 does not exist
465	Remote Server %1 does not support Mirror
466	LongStrings cannot be enabled when 2KB or 4KB databases are mounted
467	Alias %1 is already in use by device %2
468	Invalid shadow name
469	[Shadows] section must be defined before [%1] section
470	Server name '%1' matched local system name
471	%1 section must be defined before [%2] section
472	New WIJ directory cannot contain an existing CACHE.WIJ file.
473	No entry found pointing at local directory %1 in the [Databases] section of the configuration
474	Unable to obtain lock on CPF file %1

Error Code	Description
475	Database %1 is required read-write, but was mounted read-only
476	Invalid MirrorConnection value %1
Error Code	Description
570	Global %1 contains control characters. Restore of this global may fail. Use Cache block format to save this data. See file %2 for details.
571	Database copy to %1 is already running
572	Cannot copy and replace the cluster mounted database %1
573	Cannot copy and replace a mirrored database %1

**Table 1–4: General Error Codes - 600 to 799**

Error Code	Description
601	CSP Application
602	Data Server
603	Database
604	Device
605	Global Mapping
606	Global Replication
607	License Server
608	Namespace
609	SQL Gateway
610	Routine Mapping
611	Mag Tape
612	Device Sub Type
613	Ethernet Connection
614	UDP Connection
615	Ethernet Device
616	Volume Set-UCI Mapping
617	Shadow Destination
618	Shadow Source
619	LAT Service
620	Com Port
621	SQL System Data Type
622	SQL User Data Type
623	SLM Replication

Error Code	Description
624	SLM
625	Journal History
626	Remote Volume Set
627	Namespaces
628	Databases
629	Devices
630	Configuration
631	Projection type
632	Java Application
633	EJB Application
634	C++ Application
635	Class Mapping
641	%1 '%2' is not defined in this Configuration.
642	%1 '%2' is referenced by the following %3.
643	%1 '%2' already exists.
644	Parameter '%1' invalid: '%2'.
645	%1 '%2' does not exist.
646	The configuration could not be reactivated because the changes made require a restart.
647	Error loading configuration %1: %2.
648	Configuration %1 needs to be %Saved() before calling the Activate() method.
649	Configuration %1 is in use by another process.
650	%1 already defined in Namespace '%2'.
651	Failed to set Startup configuration to '%1'.
652	A clustered configuration requires a non empty PIJDirectory.
653	Subscript reference may not contain the '~' character.
654	Subscript reference must begin with an open parenthesis.
655	Subscript reference must end with a close parenthesis.
656	Open parenthesis before a close parenthesis.
657	Invalid subscript in reference %1 subscript #1.
658	Invalid subscript in reference %1 subscript #%2.
659	Invalid range specification.
660	More that two references in range specification.
661	Name required for setting within Config API.
662	Key is required.

Error Code	Description
663	Unable to find information for config setting: %1
664	[Property does not exist]
665	Unable to open configuration object: %1
666	Remote system status change failed.
667	Error parsing config file: %1
668	Reactivation error: %1
669	Collate #%1 entered does not match with the collate #%2 of ^%3 in global directory

Error Code	Description
701	LDAP error(%1): %2
702	LDAP or passed argument is not initialized
703	Failed to load LDAP shared lib(%1)
704	Value reach 32K boundary
705	LDAP can't allocate enough from heap
706	Invalid parent
707	Unexpected object passed
708	LDAP unexpected library version - expecting - %1 loaded - %2
709	Server passed back another challenge, determine the response to that challenge and call the SASLConect again to send that response
710	Invalid parameter was passed
711	Request is not supported
712	specified SASL mechanism is not supported
725	Invalid peer certificate verification level for client type
726	Expanded CipherSuite list contains no values
727	SSL Communication Not Permitted With Current License
728	Certificate %1 has expired
729	Certificate %1 is not valid for TLS Web client authentication
730	Certificate %1 is not valid for TLS Web server authentication
731	Encryption with public key in certificate %1 failed
732	Decryption of private key file %1 failed (possible bad password)
733	The public key in certificate %1 and the private key in %2 do not match
734	Verification of certificate %1 with CA file %2 failed, error= %3
735	'%1' member missing mirror SSL configuration
736	'%1' is not a mirror member
737	'%1' is unreachable, error=%2



Error Code	Description
738	Can not disable all authentication mechanisms used by Terminal
739	Mirror SSL validation of '%1' failed with error: %2
740	Mirror SSL configuration missing certificate file name
741	Mirror SSL configuration missing CA file name
742	Certificate %1 is not valid
743	CA certificate file %1 is not valid
744	The X.509 certificate is missing
797	User account has expired
798	%1 authentication failed
799	Invalid Application name %1

**Table 1–5: General Error Codes - 800 to 999**

Error Code	Description
800	Logins for Service %1 are disabled
801	Logins are disabled
802	Logins are disabled for service %1, system startup in progress
803	Logins are disabled, system shutdown is in progress
804	Kerberos logins not allowed for service %1
805	Kerberos data integrity logins are not allowed for service %1
806	Kerberos data encryption logins not allowed for service %1
807	O/S logins are not allowed for service %1
808	Kerberos logins required for service %1
809	Service %1 does not exist
810	Invalid username or password
811	Kerberos K5CCache logins not allowed for service %1
812	Kerberos K5Prompt logins not allowed for service %1
813	Kerberos K5API logins not allowed for service %1
814	Kerberos K5KeyTab logins not allowed for service %1
815	User not authorized for service %1
816	Invalid authentication option %1
817	Client IP Address %1 not authorized for service %2
818	Cannot delete service %1
819	Service %1 already exists
820	Invalid authentication option %1 for service %2

Error Code	Description
821	Access Denied: Cannot access %1
822	Access Denied
824	Invalid Username or Password
825	Unable to initialize SQL, %1
826	Unable to run ZSTART, %1
827	User %1 is not authorized
828	User %1 account is disabled
829	User %1 unable to add role %2
830	User %1 unable to update last login
831	User %1 invalid name or password
832	User %1 error updating password
833	Login timeout
834	Login aborted
835	User %1 bypassing system security
836	Insufficient privilege for programmer access
837	User %1 already exists
838	User %1 does not exist
839	Cannot delete superuser %1.
840	Cannot delete %1, only user with %All role.
841	Cannot delete default user %1.
842	Username %1 is invalid.
843	Username %1 is in use by service %2.
844	Insufficient privilege for namespace %1, database %2, resource %3
845	Password does not match length or pattern requirements
846	Username cannot contain domain specification
848	System Security configuration %1 already exists.
849	System Security configuration %1 does not exist.
850	Audit database %1 not available
851	Invalid Audit Event name %1
852	Audit Event %1 already exists
853	Audit Event %1 does not exist
854	Cannot delete system Audit Event %1
855	Cannot modify system Audit Event %1
856	Error stopping auditing to %1

Error Code	Description
857	Unable to start auditing to %1
858	Unable to quiesce system to erase audit file
859	Audit record %1 does not exist
860	Unable to initialize security label for %1, resource is %2
861	Privileged application %1 is disabled.
862	User is restricted from running privileged application %2 -- cannot execute.
863	Privileged application %1 is locked.
864	An authenticated user name is required.
865	Routine %1, in database %2, is not authorized to add roles for application %3.
866	Client application %1 not authorized to add roles - Signature %2.
867	Cannot create privileged application %1 -- an application by that name already exists.
868	Privileged application %1 not found.
869	Application %1 does not exist
870	Cannot delete system application %1
874	Duplicate Match role %1.
875	Match role %1 does not exist.
878	Duplicate Target role %1.
879	Target role %1 does not exist.
880	Cannot delete role %1.
881	Cannot remove role %1.
883	Role %1 does not exist.
884	Role %1 already exists.
885	Maximum number of roles reached.
886	Cannot modify role %1.
887	Invalid role name %1.
890	Cannot delete system resource %1.
891	Resource %1 already exists.
892	Resource %1 does not exist.
893	Cannot modify system resource %1.
894	Maximum number of resources reached.
895	Duplicate resource %1.
896	Invalid resource name %1.
897	Invalid permission %1 for resource name %2.
898	SSL configuration %1 already exists

Error Code	Description
900	Cannot delete domain %1, domain is in use.
901	Domain %1 already exists.
902	Invalid Domain name %1
903	Domain %1 does not exist
904	User's must all be in domain %1, user %2 is not
913	PhoneProvider %1 does not exist
914	X509Credentials %1 does not exist
915	OpenAMIdentityServices %1 does not exist
920	Cannot modify field '%1'
921	Operation requires %1 privilege
922	Operation requires %1 privilege on resource %2
923	Operation requires %1 privilege on resource %2 or %3
924	Operation requires %1 privilege on resources %2 and %3
930	Cannot delete system security parameters
935	Password change required.
939	Insufficient privilege for object access '%1'
940	Insufficient privilege for operation
941	Audit header contains unwritten records
942	Username and Role cannot have the same name
943	User %1 has no role
944	Invalid expirationdate
945	Import of audit events to namespace '%1' is prohibited
946	User %1 has no accessible namespaces
947	Password logins not allowed for service %1
948	Unrecognized connection message
949	Unable to get full header of message within timeout
950	Invalid service name %1
951	Unauthenticated access for service %1 is disabled
952	Invalid password
953	Invalid Legacy password
954	Invalid password, cannot convert legacy password
955	Invalid Kerberos username or password for user %1
956	Kerberos error: %1
957	Password logins not allowed for application %1

Error Code	Description
958	Invalid password pattern '%1'
959	User %1 account has expired
960	User %1 account is inactive
961	Kerberos Authentication Not Permitted With Current License
962	Cache Direct Client must be upgraded
963	No authentication enabled for service
964	LDAP server unavailable - %1 %2 %3
965	LDAP search bind failed, error %1, %2
966	LDAP search failed, error %1, %2
967	LDAP count entries failed, error %1, %2
968	User %1 does not exist in the LDAP database
969	User %1 is not unique in the LDAP database
970	LDAP first entry failed, error %1, %2
971	Invalid LDAP password, error %1, %2
972	User %1 is not a LDAP user
973	User %1 is not a Delegated user
974	User %1 is not a Cache user, either LDAP, Delegated, Kerberos, or O/S
975	LDAP Get DN failed, error %1, %2
976	LDAP Get Values Len failed, error %1, %2
977	Attribute value %1 must be in \$list format
978	System requires that the user must own the %1 role to connect
979	SSL configuration %1 does not exist
980	Unable to activate SSL configuration %1
981	Invalid SSL configuration name %1
982	All specified CipherSuites require server authentication, Certificate File and Private Key File are required
983	Private Key File is required when Certificate File is specified
984	Certificate File is required when Private Key File is specified
985	Private Key File is required when Private Key Password is specified
986	CA File is required when Peer Verification or CRL File is specified
987	SSL configuration %1 is disabled
988	SSL handshake failed
989	SSL connection failed, make sure server address and port (not url) is specified
990	Can only test SSL Client

Error Code	Description
991	Host and Port must be specified
992	Password has expired
993	Cannot modify LDAP authentication user
994	Cannot modify Delegated authentication user
995	SSL/TLS is required for incoming connections
996	SSL/TLS is not configured for incoming connections
997	User %1 failed O/S delegated authentication
998	Login Token expired
999	User %1 Login Token expired

## 1.2 Error Codes 1000 to 1999

**Table 1–6: General Error Codes - 1000 to 1199**

Error Code	Description
1000	Shadow configuration '%1' incomplete: missing source IP address or DNS name
1001	Shadow configuration '%1' error: invalid source port number: %2
1002	Shadow configuration '%1' incomplete: directory for storing copied journal files not specified
1003	Shadow configuration '%1' incomplete: start point not specified
1004	Shadow configuration '%1' error: manager directory %2 is not allowed as a shadow database
1005	Shadow configuration '%1' incomplete: no database mappings exist
1006	Invalid shadow ID '%1': character '~' not allowed
1007	Shadow configuration '%1' error: cannot use %2, a primary or alternate journal directory, to store copied journal files
1008	Shadow configuration '%1': Source databases or journal belong to different mirrors ('%2' and '%3').
1010	Cannot resume a stopped shadow '%1'
1012	Unable to acquire exclusive access to properties of shadow configuration '%1'
1013	Must specify a shadow configuration ID
1014	Shadow configuration '%1' does not exist
1015	Shadow '%1' test failed: %2
1016	Shadow '%1' test timed out
1017	Shadow '%1' must NOT be running
1018	Shadow database '%1' is also its corresponding source database

Error Code	Description
1020	Database server and shadow server have incompatible shadow protocols: version '%1' on database server vs. version '%2' on shadow server
1021	Database server and shadow server have incompatible journal versions: version %1 on database server vs. version %2 on shadow server
1022	Connection denied by database server %1
1023	Received unrecognizable version '%1' from server
1024	Error allocating memory from Generic Memory Heap: %1
1025	Insufficient Generic Memory Heap available for shadowing
1026	Received unrecognizable message '%1' from server
1027	Cluster shadowing request denied: database server %1 is not part of a cluster
1028	Cluster shadowing request denied: database server %1 is not part of the source cluster of shadowing, identified by %2
1029	Shadowing aborted on error
1030	Unable to job off shadow server process
1031	Shadow '%1' is being stopped by another process
1032	Unable to suspend shadow '%1' within %2 seconds
1033	Requested journal file '%1' does not exist on the source
1034	Requested file '%1' is not a valid journal file on the source
1035	Journal file '%1' is corrupted
1036	Error opening file %1: %2
1037	Shadow copy %1 is ahead of source journal file %2
1038	Invalid address %1 in journal file %2
1039	Journal file to start or resume shadowing with is not specified - possibly as a result of the originally specified journal file name being invalid
1040	Failed to sync database updates as one updater has died
1041	Missing start point for cluster shadowing
1042	Incomplete start point for cluster shadowing: %1
1043	Shadowing is unavailable for current license
1044	Shadow is already running
1045	Bad checkpoint for cluster shadowing: %1
1046	Database updates are NOT currently journaled on the source of shadowing - shadow databases may be out of sync with the source
1047	Shadow is not suspended and therefore cannot be resumed
1048	Shadow is not stopped and therefore cannot be started or restarted
1070	Attempt to connect to %1 at port %2 timed out - database server is not running or network is down

Error Code	Description
1071	TCP read timed out - remote server is not responding
1072	Database server has disconnected - %1 to the server is aborted
1073	Shadow server (%2) has disconnected - %1 to the server is aborted
1074	Unable to job off routine %1
1075	Failed to start purging as another job (PID %1) appears to be in the middle of purging shadow journal files
1076	Purging not available to this shadow
1077	Error getting answer: %1
1078	Error killing job (PID %1): %2
1079	Purging aborted due to failure to sync journal
1080	Error mounting shadow database %1 when processing journal file %3 -- subsequent updates to the source database %2 will NOT be applied to the shadow database
1090	There is no database in %1 on the source or it is not readable
1091	Database in %1 on the source is not currently mounted
1092	Invalid source directory %1 - name too long or has invalid syntax
1093	Invalid journal EOF at offset %1 of file '%2' - must traverse forward to get end position
1094	Got fewer records than expected: last one at %1. Possible corruption in %2 or its source copy.

Error Code	Description
1100	Failed to open journal file '%1' for record reading
1101	File '%1' does not exist
1102	File '%1' is not a valid journal file
1103	Error getting previous file of '%1': %2
1104	Failed to create an instance of journal file '%1'
1105	The first record of journal file '%1' is invalid
1106	Error deleting journal file '%1': %2
1107	Search string not specified
1108	Journal file not specified
1109	Journal file '%1' is expected to be followed by another file, which does not exist
1110	No valid record in journal file '%1'
1111	Error getting the file following journal file '%1': %2
1112	Corruption between offsets %2 and %3 of journal file '%1'
1113	File '%1' does not exist in journal log '%2'
1120	Unknown column: %1



Error Code	Description
1121	Bad directory in journal record
1122	Bad global node in journal record
1140	Error starting journaling: %1
1141	Error stopping journaling: %1
1142	Error switching journal file: %1
1143	Directory '%1' does not exist
1144	Directory name '%1' is invalid
1145	Error creating directory '%1': %2
1146	Journal file prefix '%1' is invalid
1147	Directory name '%1' is too long for journal files with names in the form of '%2YYYYMMDD.nnn'
1148	Commas are NOT allowed in a journal file path ('%1%2YYYYMMDD.nnn')
1149	Unable to get directory attributes for directory %1
1150	Journal directory %1 cannot be readonly
1160	Invalid transaction ID: %1
1161	Transaction start at offset %1 of file %2 is not a TSTART record
1180	Cluster journal marker file missing
1181	Failed to open cluster journal marker file: %1
1197	Database encryption key activation at startup must be enabled before journal encryption can be enabled
1198	Failed to switch journal file to activate journal encryption immediately -- journal files will be encrypted following current file
1199	Failed to switch journal file to deactivate journal encryption immediately -- journal files will stop being encrypted following current file

**Table 1–7: General Error Codes - 1200 to 1399**

Error Code	Description
1200	Encryption key '%1' is already activated
1201	Encryption key is not activated
1202	'%1' is not a valid encryption key file
1203	Encryption key in file '%1' does not match activated key
1204	User '%1' not found in encryption key file '%2'
1205	User '%1' already exists in encryption key file '%2'
1206	Encryption key creation failed
1207	Encryption key activation failed
1208	Can not deactivate encryption key. Encrypted databases are mounted: %1

Error Code	Description
1209	Invalid password. Must contain at least %1 characters
1210	Can not remove last administrator from key file
1211	Wide Unicode characters are not supported in administrator usernames or passwords
1212	Disabling encryption key activation at startup is NOT allowed when %1
1213	Disabling encryption key activation at startup is NOT allowed when the encrypted journal file '%1' is required for crash recovery
1214	Deactivating encryption key is NOT allowed when %1
1215	Deactivating encryption key is NOT allowed when the encrypted journal file '%1' contains open transactions
1216	Encryption key activation at startup is still enabled
1217	Can not disable encryption key activation at startup. Encrypted databases are required at startup: %1
1218	Encryption key activation at startup must be enabled before audit encryption can be enabled
1219	Encryption key unwrap failed; possible incorrect password
1220	No space available for encryption key
1221	Key '%1' not found in encryption key file '%2'
1222	Cannot remove unattended activation administrator from key file

Error Code	Description
1300	Failed to lock DataCheck system
1301	Cannot be run from DataCheck daemon job
1302	DataCheck System already started
1303	Global reference %1 does not collate before %2 in collation %3
1304	DataCheck protocol error
1305	Failed to initialize DataCheck message queue
1306	Timed out starting DataCheck job
1307	Failure during DataCheck job initialization
1308	Access denied by peer with message: %1
1309	Timed out waiting for peer
1310	Duplicate database mapping for %1
1311	Timed out trying to establish a connection
1312	%1 is not supported by the peer system
1313	Unable to detect Mirror-based DataCheck configuration using Mirror name '%1'
1314	DataCheck source system found for destination GUID does not match the connecting destination system
1315	Related object '%1' has an incorrect DataCheck system name (%2)

Error Code	Description
1316	Database specification %1 is invalid
1317	Global selection mask is defined for duplicate database specifications %1 and %2
1360	RangeList state is invalid due to previous error and must be reloaded
1361	RangeList Collation is already set
1362	RangeList has newer version stored and must be reloaded
1370	Initial global reference is null
1371	Initial global reference and target global reference are identical
1372	Initial global reference and target global reference refer to different global names
1380	Workflow must have at least one phase
1381	Workflow NextPhase is out of range
1390	Global Reference is invalid

**Table 1–8: General Error Codes - 1400 to 1599**

Error Code	Description
1400	User %1 is not a Kerberos user
1401	Routine ZAUTHORIZE not found, see the ZAUTHORIZE routine in the SAMPLES namespace
1402	Routine ZAUTHENTICATE not found, see the ZAUTHENTICATE routine in the SAMPLES namespace
1403	Routine ZAUTHENTICATE requires the following parameters: (ServiceName,Namespace,Username>Password,.Properties), see the ZAUTHENTICATE routine in the SAMPLES namespace
1404	Cannot modify Kerberos authentication user
1405	User %1 is not a O/S user
1406	Routine ZAUTHORIZE requires the following parameters: (ServiceName,Namespace,Username>Password,.Credentials,.Properties), see the ZAUTHORIZE routine in the SAMPLES namespace
1407	Cannot modify O/S authentication user
1408	Invalid authentication option %1 for application %2
1409	User '%1' is not configured for two-factor authentication
1410	Incorrect function code '%1' for two-factor authentication
1411	Two-factor authentication timeout
1412	Incorrect token received for two-factor authentication
1413	Mobile phone service provider '%1' already exists
1414	Mobile phone service provider '%1' does not exist
1415	User '%1' has invalid mobile phone number '%2'
1416	User '%1' has invalid mobile phone service provider '%2'

Error Code	Description
1417	Invalid configuration for two-factor authentication
1418	User %1 account has reached the invalid login limit
1419	GetCredentials^ZAUTHENTICATE failed
1420	GetCredentials^ZAUTHENTICATE failed to return a username or password
1421	User '%1' has mobile phone number but no service provider
1422	Mirror and shadow service cannot both be enabled.
1423	LoginRules Security configuration %1 does not exist.
1424	Cannot add roles while ZINSERT active
1425	You must modify settings through the Security.System class
1426	Unauthenticated access for application %1 is disabled
1427	Unable to add or set Audit Event %1, event table may be full
1428	Studio does not support Two Factor Authentication
1429	Insufficient privilege for service %1
1430	Cannot use implied namespace %1 with -U switch
1431	The %Manager role requires the %1 resource with R/W access
1432	Domain name for user %1 is NULL, check network configuration or Kerberos settings
1433	Incorrect verification code received for one time password authentication
1434	Two-factor Authentication requires one of the following to be enabled: %1
1435	Two-factor SMS text authentication requires a phone number and service provider
1436	Only one type of Two-factor authentication can be enabled

  

Error Code	Description
1501	SSL configuration '%1' does not include valid SSL certificate
1504	Management Portal unavailable. You must modify settings through the System Management menu.

**Table 1–9: General Error Codes - 1600 to 1699**

Error Code	Description
1600	%1 already exists
1601	%1 does not exist
1602	%1 is still running, Pid: %1
1603	Cannot modify %1, operation is either running or has completed
1604	User terminated the operation
1605	Cannot open journal file %1
1606	Unable to find journal file after %1

Error Code	Description
1607	Source and destination database are the same - %1
1608	Cannot copy from an ECP database
1609	Cannot copy from system database %1
1610	Journaling must be enabled on your system
1611	Journaling is troubled - %1
1612	Database %1 - %2 must be configured for mirroring
1613	Unable to set mirror failover state, Status - %1
1614	Nodes from global %1 already exist in destination database %2
1615	Global %1 does not exist in source database %2
1616	%1 has already been run
1617	Cannot operate on namespace %1
1618	Routines are already split from namespace %1
1619	Unable to get directory info for global %1, Error: %2
1620	Collation for global %1 in directories %2 and %3 don't match
1621	Move globals job failed to start.
1622	Move globals %1 has already been run.
1623	Operation terminated by error
1624	Starting and ending global must be the same
1625	State is wrong for %1 call, State=%2
1626	Unable to obtain Data Move Namespace lock
1627	Unable to find SFN in journal %1 for source directory %2
1628	Collation of global %1 has changed, unrecoverable error at journal offset %2
1629	Did not handle Kill of node %1 - Range = %2
1630	UnHandled Journal record type %1 at journal offset %2
1631	Unable to start journal monitor
1632	Cannot calculate Freespace for %1, Database is dismounted
1633	Max size of database %1 must be increased by at least %2 MB
1634	Move of data into the following databases exceeds the space on the partition by %1 MB: %2
1635	New destination database directory for database %1 is not configured
1636	New destination database directory %1 for database %2 is already configured as database %3
1637	The following globals in range %1 already exist in destination database %2 : %3
1638	Data Move Operation %1 is running
1639	Unable to find and delete range %1

Error Code	Description
1640	Invalid method %1
1641	Invalid Job method %1
1642	Cannot Job method %1
1643	Move Data operation %1 %2 is already running
1644	Move operation %1 has already completed
1645	Move operation %1 has an unrecoverable error, you must roll it back
1646	Collation of global %1 has changed, unrecoverable error
1647	Unable to quiesce system within %1 seconds
1648	Unable to Suspend, operation already completed
1649	Unable to Suspend, operation not started
1650	Unable to Suspend, operation past journal phase
1651	Unable to suspend, operation already stopped
1652	Unable to Stop, operation already completed
1653	Unable to Stop, operation not started
1654	Unable to Stop, operation past journal phase
1655	Invalid Data Move name %1

## 1.3 Error Codes 2000 to 2999

**Table 1–10: General Error Codes - 2000 to 2299**

Error Code	Description
2000	Journal file #%1 for database '%2' not found in mirror journal log (%3)
2001	Failed to read header of journal file '%1'
2002	Mirror name not specified
2003	Mirror journal log file '%1' not found
2004	Failed to open journal log for mirror '%1'
2005	Failed to read journal log for mirror '%1'
2006	Cannot modify the name of the mirror set
2007	Cannot modify the GUID associated with the mirror set
2008	Failed to send updated recovery parameters to mirror members
2009	Mirror set GUID is not defined. %1 section failed to load
2010	Failed to load mirror configuration
2011	Mirror name cannot contain the ':' character

Error Code	Description
2012	Mirror name exceeds the maximum length of %1 characters
2013	Mirror parameters are already loaded - cannot be reloaded with MirrorMember.Load()
2014	JoinMirror and AsyncMemberGUID should not both be set - %1 aborting
2015	JoinMirror and AsyncMemberGUID should not both be set
2016	Missing system name in [MirrorMember] section, can't join mirror
2017	Missing mirror name in [MirrorMember] section, can't join mirror
2018	Missing mirror GUID in [MirrorMember] section, can't join mirror
2019	MirrorMember.CheckSecurity failed to open mirror service '%1'
2020	Mirror name not defined
2021	Bad mirror name '%1'
2022	Cannot shutdown mirroring on the primary mirror member
2023	System name cannot contain the ':' character
2024	System name exceeds the maximum length of %1 characters
2025	Mirror name not configured, AsyncMemberAuthorizedIDs cannot be loaded
2026	SSL DN (Distinguished Name) field already in use
2027	SSL DN (Distinguished Name) field cannot be null
2028	%1 missing required parameter(s) - aborting
2029	No Async member configuration is defined
2030	No mirror set name to update
2031	Could not find mirror set %1 in query list
2032	Mirror set name %1 does not exist
2033	Invalid mirror configuration for %1, system name '%2' is not unique
2034	Failed to allocate mirror set %1 structure
2035	Found duplicate mirror name or GUID with local in %1
2036	Failed to load mirror configuration of '%1'
2037	Failed to retrieve mirror configuration for %1 from %2 (%3)
2038	Mirror member name cannot contain the ':' character
2039	Mirror member name exceeds the maximum length of %1 characters
2040	Mirror set name is not defined
2041	Load All Mirror Set Members already run once, cannot be executed again
2042	Failed to find our mirror name (%1) in the mirror configuration for %2
2043	Could not add new member when the Async member connected
2044	Argument to %1 is not an object
2045	Failed to add Mirror Set Member %1

Error Code	Description
2046	Invalid mirror configuration for %1, guid (%2) for system %3 is not unique
2047	Incorrect base directory '%1' - Expected '%2'
2048	Failed to add Mirror Set Member %1 (#%2) to mirror %3
2049	Insufficient privilege to startup mirroring
2050	Mirror configuration not loaded
2051	Mirror set name '%1' is not configured
2052	Failed to start mirror manager daemon %1
2053	Failed to create mirror journal log file '%1'
2054	Failed to delete mirror journal log file '%1'
2055	Failed to open mirror journal file (%1) containing the start point of the journal file purge
2056	Virtual IP for mirror %1 is not a valid address '%2'
2057	Interface of Mirror Virtual IP does not exist '%1'
2058	Mirror Database Name is required but not provided
2059	Mirror Database Name exceeds the maximum length of %1 characters
2060	Mirror Database Name cannot contain the ':' character
2061	Mirror Database Name '%1' is not unique, found in mirror member %2
2062	Failed to check other systems for duplicate Mirror Database name
2063	Database '%1' is already being mirrored
2064	Cannot remove database '%1' as is not currently being mirrored
2065	Could not create new mirror: %1
2066	Mirroring Service is required but not enabled
2067	SSL Configuration %1 is required but missing
2068	SSL Configuration %1 is not enabled
2069	Names in SSL Server Configuration '%1' and Client Configuration '%2' are different
2070	Mirror Virtual IP '%1' is owned by another system
2071	Error retrieving Mirror Set information for '%1'. Error info: %2
2072	The character size of the other system is different from local system
2073	Mirrored Database '%1' is not found on this system
2074	This system has not been configured as a Mirror Member
2075	There is no other failover member defined on this system
2076	Error retrieving Mirror Member information for '%1'. Error info: %2
2077	Failed to force this member become primary, reason: %1
2078	Mirrored DB is already activated
2079	Failed to activate mirrored DB reason: %1



Error Code	Description
2080	Failed to remove mirrored DB reason: %1
2081	This is not a Failover mirror member
2082	Failed to connect to mirror primary node
2083	Failed to lookup instance name, reason: %1
2084	Could not join existing mirror: %1
2085	Virtual IP did not include or had bad CIDR subnet mask: %1
2086	Agent is unreachable with %1, reason: %2
2087	Mirror member %1 is unreachable with %2
2088	ECP connection to Mirror member %1 is unreachable with %2
2089	Network Interface %1 is not a virtual interface
2090	Network Interface is not specified for Virtual Address
2091	Failed to get SSL DN field on %1, reason: %2
2092	SSL required to mirror encrypted database
2093	Insufficient privilege to shutdown mirroring
2094	Mirror connections for %1 failed to disconnect cleanly
2095	Problem detected with mirror SSL/TLS configuration
2096	Mirror Virtual IP '%1' is not reachable
2097	Mirror Virtual IP '%1' could not find a matched subnet in Interface '%2'
2098	Cannot find starting location from filename '%1'
2099	Mirroring is unavailable for current license

Error Code	Description
2100	Failed to open MirrorSetMember entry for %1 (%2)
2101	Mirror name '%1' is already in use
2102	Mirrored DB %1 not found in failover member
2103	Mirrored DB %1 not found in primary member
2104	Failed to create new mirrored DB (%1)
2105	Matching mirrored DB %1 in member %2 was not created as mirrored DB
2106	Mirror Set %1 has already been started
2107	Mirror Set %1 has not been started
2108	Failed to open [Mirrors] entry for %1 (%2)
2109	Failover members can only be a member of a single mirror. [Mirrors] contains %1 mirror definitions
2110	Mirror name '%1' is not valid - must contain only alphanumeric characters
2111	Failed to read local mirror member information (%1)

Error Code	Description
2112	Delete operations on %1 are not permitted
2113	Operation can only be performed on the primary mirror member
2114	Failed to open [MapMirrors.%1] entry for %2
2115	Clear FailoverDB Flag is not allowed on this system
2116	Operation is not allowed on the primary mirror member
2117	Mirror promotion is not allowed for non DR member
2118	ISCAgent is not up on the local system
2119	Mirror promotion is only allowed when only one mirror set is configured
2120	Mirror promotion is only allowed when only one mirror set is configured
2121	One of the failover members is unreachable through the ISCAgent
2122	Failed to create Config.MapMirrors object
2123	GUID mismatch in journal files from mirror members (%1) vs (%2)
2124	Selected mirror partner %1 is not in the failover member list
2125	Selected mirror partner %1 is not a primary candidate
2126	Failed to clear ValidatedMember on %1. Error: %2
2127	Failed to tell primary %1 to promote %2. Error: %3
2128	ISCAgent is unreachable
2129	Journaling is required for mirrored databases
2130	Cannot remove database '%1' as it is not currently mounted
2131	Mirror promotion is not allowed for a relay server member
2132	VIP is configured but network interface is not configured
2133	Demotion is not allowed when this is the only failover member
2134	This member cannot belong to more than one mirror
2135	Failed to get ISCAgent version information
2136	Instance's version is later than ISCAgent's version
2137	There are already more than one failover member configured
2140	Remote member has different UNICODE property from local member
2141	Passed system name %1 is different from configured system name %2
2142	AsyncMemberType parameter is out of range or mismatch with the current setting
2146	Clear FailoverDB Flag is not allowed on non-activated mirrored DB
2147	Clear FailoverDB Flag failed due to: %1
2148	Default system name exceeds the maximum length of %1 characters, caller needs to provide a system name
2149	A DR async member cannot belong to more than one mirror

Error Code	Description
2150	DR async member is not allowed to connect to a non-failover member
2151	Journal encryption is not allowed when Mirror's UseSSL is not enabled
2152	Journal encryption is enabled but Mirror's UseSSL is not enabled
2153	This member is not a reporting member
2154	Dejournaling is already running (process id: %1)
2155	Demote without partner does not allow running primary member '%1'.
2156	Demote %1 failed during promotion. Error: %2.
2157	Primary (%1) is in trouble state (%2) mirror promotion is not allowed.
2158	This operation is only allowed on a reporting async member
2159	This instance is not tracking any mirrors
2160	This instance is not tracking mirror '%1'
2161	The mirror name must be specified because the async member is tracking multiple mirrors
2162	Failed to identify the ISCAgent application server port.
2163	Failed to identify the ISCAgent application server interface.
2164	The ISCAgent returned an invalid status response.
2165	This member is not an async member
2166	his operation is only allowed on an async member
2167	Invalid Mirror Database Name
2168	Backup daemon did not exit after mirror shutdown
2169	Mirror master daemon of mirror set %1 did not exit after 5 seconds timeout
2170	Mirror Dejournal Filter is enabled but the RunFilter method in SYS.MirrorDejournal.%1 class does not exist
2171	Mirror name '%1' contains an illegal character sequence '%2'
2172	Non-FailoverDB mirrored database is not allowed to be configured in DR member
2173	The mirror configuration change to %1 is blocked until the local validation trouble is resolved
2174	Failed to create or join mirror set 5 because a mirror journal file (10) exists with the same mirror name
2175	Mirror SSL DN is too long (over 1024 characters)
2176	Promotion is not allowed when the mirror is in 'No Partner In No Failover' state.
2177	Join as Failover is not allowed when the mirror is in 'No Partner In No Failover' state.
2178	Someone else is doing Promotion or Demotion on this member.
2179	Failed to shutdown mirror.

Error Code	Description
2200	There is no Certificate Authority server configured at instance %1 on node %2.
2201	Certificate Signing Request %1 not found.
2202	Certificate number %1 not found.
2203	Private key file %1 not found.
2204	Certificate Signing Request %1 creation failed. OpenSSL command output: %2
2205	Certificate %1 creation failed. OpenSSL command output: %2
2206	Subject Distinguished Name is required.
2207	Private Key file password is required.

## 1.4 Error Codes 5000 to 5999

**Table 1–11: General Error Codes - 5000 to 5199**

Error Code	Description
5001	%1
5002	Cache error: %1
5003	Not implemented
5004	Cannot generate UUID
5005	Cannot open file '%1'
5006	File name '%1' is invalid
5007	Directory name '%1' is invalid
5008	File name is required
5009	Directory name is required
5010	File '%1' is already opened
5011	File '%1' is not opened
5012	File '%1' does not exist
5013	Cannot Generate Type Library
5014	%1 is not supported in this version
5015	Namespace '%1' does not exist
5017	Too many errors
5018	Routine '%1' does not exist
5019	Cannot delete file '%1'
5020	Cannot rename file '%1'
5021	Directory '%1' does not exist.

Error Code	Description
5022	Expected Data is missing
5023	Java Gateway Error: %1
5024	Unable to copy file '%1' to '%2'
5025	Invalid Connection Name: '%1'
5026	Invalid ECP client action type: %1
5027	File '%1' already exists
5028	Invalid routine name
5029	Unable to kill process %1
5030	An error occurred while compiling class %1
5031	Cannot JOB routine %1
5032	Cannot create directory '%1'
5033	Interrupt
5034	Invalid status code structure (%1)
5035	General exception Name '%1' Code '%2' Data '%3'
5036	Failed to acquire lock on SMP Query History metadata
5037	No permission to view files in directory '%1'.
5038	An error occurred while compiling the generator routine '%1'.
5039	An error occurred while calling function '%1'.
5040	Unable to copy file %1 to %2
5041	Unable to execute Java using '%1'. Java may not be installed correctly on your system.
5042	Unable to execute \$zf(%1,%2).
5043	Jar file %1 does not exist.
5044	Java Exception: %1.
5045	Java unknown error: %1.
5046	Error executing java command '%1'. Java may not be installed correctly on your system.
5047	Parameter '%1' marked as base64 encoded but not valid base64 '%2'.
5050	Constraint name '%1' is invalid
5051	Class '%1' already exists
5052	Duplicated name: %1
5053	Class name '%1' is invalid
5054	Method name '%1' is invalid
5055	Parameter name '%1' is invalid
5056	Property name '%1' is invalid
5057	Storage name '%1' is invalid

Error Code	Description
5058	Trigger name '%1' is invalid
5059	Method name conflict: %1
5060	Parameter name conflict: %1
5061	Property name conflict: %1
5062	Storage name conflict: %1
5063	Trigger name conflict: %1
5064	Key name '%1' is invalid
5065	Key name conflict: %1
5066	Index name '%1' is invalid
5067	Index name conflict: %1
5068	Query name '%1' is invalid
5069	Query name conflict: %1
5070	Class name conflict: %1
5071	Constraint name conflict: '%1'
5072	Constraint SQL name conflict: '%1'
5073	XML Map name conflict: %1
5074	XML Map name '%1' is invalid
5075	Class dictionary out of date, please run upgrade utility \$system.OBJ.Upgrade()
5076	Key name '%1' is longer than '%2' characters
5077	Index name '%1' is longer than '%2' characters
5078	Method name '%1' is longer than '%2' characters
5079	Property name '%1' is longer than '%2' characters
5080	Parameter name '%1' is longer than '%2' characters
5081	Query name '%1' is longer than '%2' characters
5082	Storage name '%1' is longer than '%2' characters
5083	Stored procedure name is not unique: %1, projected from %2
5084	Package name '%1' is invalid
5085	Package name '%1' is longer than '%2' characters
5086	Method implementation > 32k
5087	Projection class type is required for %1:%2.
5088	Projection class defined for %1:%2 does not exist.
5089	Projection class defined for %1:%2 is not a subclass of %Projection.AbstractProjection.
5090	An error has occurred while creating projection %1:%2.
5091	An error has occurred while removing projection %1:%2.

Error Code	Description
5092	Name conflict on class '%1' because class '%2' has the same name but differs in case.
5093	Name conflict on class '%1' because package '%2' has the same name but differs in case.
5094	Member name conflict in class '%1' between '%2' and '%3'.
5095	Name conflict on class '%1' because class '%2' could conflict in the class descriptor.
5096	Classname '%1' is longer than %2 characters.
5097	Collation for property '%1' is invalid: '%2'
5098	Constraint name '%1' is longer than '%2' characters
5099	Name conflict with project '%1' because you are trying to save project '%2' which has the same name but differs in case.

Error Code	Description
5100	In class '%1' sqlname name '%2' from query '%3' conflicts with query '%4' sqlname '%5'.
5101	Class name required
5102	Environment keyword required
5103	Method name required
5104	Parameter name required
5105	Property name required
5106	Storage keyword required
5107	Storage name required
5108	Trigger name required
5109	Library name required
5110	Query name required
5111	Key name required
5112	Index name required
5113	XML Map name required
5114	Package name required
5115	Class dictionary version number in database '%1' is too high.
5116	Class dictionary version for '%1' is out of date, please run upgrade utility \$system.OBJ.Upgrade()
5117	In class '%1' element type '%2', element '%3' and '%4' have the same name but differ in case.
5118	Schema name conflict on class '%1' because package '%2' has the same schema but is a different name.
5119	The classname '%1' conflicts with the default resultset package name '%2'.
5120	The class descriptor is too large, instance methods %1, class methods %2, instance composite %3, class composite %4, properties %5, parameters %6.

Error Code	Description
5121	Parameter value for parameter '%1' is longer than '%2' characters
5122	Class '%1' index '%2': the SQLNAME '%3' is not unique
5123	Unable to find entry point for method '%1' in routine '%2'
5124	In class '%1' alias property '%2' from property '%3' conflicts with property '%4'.
5125	Invalid XML export version '%1', must be major minor version e.g. 2010.1.
5126	XML export version '%1' not supported, supports 2010.1 and onwards.
5127	In XML export keyword '%1' in class '%2' not available in target version '%3'. Will remove keyword in exported file.
5128	In XML export keyword SqlCategory value '%1' in class '%2' not supported in version '%3'. Will remove keyword in exported file.
5129	Invalid control character in class definition for XML export. Stripping value in XML export, value is '%1'.
5130	Member '%1' in class '%2' contains an invalid character, the following are not valid '%3'.
5131	Query class depends on '%1' which has been recompiled.
5132	Parameter '%1' in class '%2' is not a CONFIGVALUE type so can not be changed.
5133	Parameter '%1' in class '%2' is not defined in this subclass so can not be changed here, modify in superclass where it is defined.
5134	In XML export for index '%1' in class '%2' the index type=collatedkey is not supported in version '%3', will remove type keyword in exported file.
5135	An MVENABLED persistent class does not support polymorphic dispatch so you can not create a subclass '%1' to the extent root class '%2'.
5136	You can not have an MV enabled class with a property '%1' list/array collection of objects that includes classname.
5137	In class '%1' alias property '%2' from property '%3' conflicts with alias property '%4' from property '%5'.
5149	%1 keyword '%2' type in '%3' is invalid
5150	%1 keyword '%2' value in '%3' is invalid
5151	Class attribute keyword '%1' is invalid
5152	Environment keyword '%1' is invalid
5153	Method attribute keyword '%1' is invalid
5154	Parameter attribute keyword '%1' is invalid
5155	Property attribute keyword '%1' is invalid
5156	Trigger attribute keyword '%1' is invalid
5157	Class keyword type '%1' is invalid
5158	Method keyword type '%1' is invalid
5159	Parameter keyword type '%1' is invalid



Error Code	Description
5160	Property keyword type '%1' is invalid
5161	Trigger keyword type '%1' is invalid
5162	Method keyword value '%1' is invalid
5163	property keyword value '%1' is invalid
5164	Key attribute keyword '%1' is invalid
5165	Key keyword type '%1' is invalid
5166	Key keyword value '%1' is invalid
5167	Index attribute keyword '%1' is invalid
5168	Index keyword type '%1' is invalid
5169	Index keyword value '%1' is invalid
5170	Query attribute keyword '%1' is invalid
5171	Query keyword type '%1' is invalid
5172	Query keyword value '%1' is invalid
5173	Property '%1' SQL column must be greater than 1 and not greater than 4096
5174	XML Map attribute keyword '%1' is invalid
5175	XML Map keyword type '%1' is invalid
5176	Class keyword value '%1' is invalid
5177	Index property collation of '%2' is invalid: '%1'
5178	Index data property '%2' is invalid or transient: '%1'
5179	Property '%1' SQL column must be unique: '%2' is assigned to '%3'
5190	InitialExpression is not supported for streams, property '%1'
5191	Can not implement a system method in class '%1'

**Table 1–12: General Error Codes - 5200 to 5399**

Error Code	Description
5201	Invalid parse tree
5202	Nothing to compile
5203	CDL Parser error: %1
5250	Index '%1': '%2' type class, '%3' is not an INDEX class
5251	Cannot change final method '%1'
5252	Cannot change final parameter '%1'
5253	Cannot change final property '%1'
5254	Cannot inherit from final class '%1'
5255	Cannot override final property method '%1'

Error Code	Description
5256	Cannot replace final behavior '%1'
5257	Cannot override key definition '%1'
5258	Cannot override index definition '%1'
5259	Query type cannot be changed: '%1'
5260	Cannot change final query '%1'
5261	Cannot override final query method '%1'
5262	Cannot project query with parameters '%1' as view
5263	Cannot project non-SQL query '%1' as view
5264	Property %1: SQLComputeOnChange attribute %2 is not defined
5265	Final keyword '%1' can not be changed
5266	Multiple dependent relationships defined: '%1'
5267	Cannot change final XML Map '%1'
5268	Cannot override final XML method '%1'
5269	Cannot override final method '%1'
5270	There is a composite method name conflict between '%1' and '%2'
5271	Cannot override '%1' definition: '%2'
5272	Cannot change final '%1': '%2'
5273	Aliased method loop detected in %1:%2
5274	Aliased method '%3' not found in %1:%2 (%4)
5275	Aliased method '%3' signature mismatch to %1:%2
5276	Aliased method '%1:%2' refers to class %3 that is not a superclass
5277	Cannot introduce dependent (parent) relationship '%1' in subextent '%2' of '%3'
5278	VERSIONPROPERTY property '%2' is not defined in '%1'
5279	VERSIONPROPERTY cannot be changed in subextent '%1'
5280	Cannot support calculated collection property '%1' (it can be computed but not calculated).
5281	Class has multiple identity properties: '%1::%2'
5282	Identity property cannot be a collection: '%1::%2'
5283	Identity property type must be integer: '%1::%2'
5284	IDKEY index based on non-identity property: '%1::%2'
5285	Property '%1' is SQLComputed but no SQLComputeCode is defined
5286	Cannot override classtype '%1' from class '%2' with '%3' in class '%4'.
5287	Class contains too many properties and hence too many instance variables to compile.
5288	Compilation of queued classes skipped because queued classes can not queue more classes for compilation more than twice. Classes skipped: '%1'

Error Code	Description
5289	Unable to construct the compile tree because class '%1' which it depends on has not had inheritance resolved.
5290	Class contains too many '%1' members '%2' maximum supported is '%3'.
5291	Class inheritance depth is too large, maximum supported is '%1'.
5292	Class/es '%1' has already been compiled twice during this compile so they can not be queued to compile again.

Error Code	Description
5301	Method '%1' is missing call tag
5302	Method '%1' is missing code
5303	Method '%1' is missing expression
5304	Method '%1' is missing generator
5305	Method '%1' is missing name
5306	Parameter '%1' is missing name
5307	Property '%1' is missing name
5308	Query '%1' is missing name
5309	Query '%1' is missing type
5310	SQL Procedure Method '%1' must be a class method
5311	SQL Procedure Method '%1' context parameter is invalid
5312	Constraint '%1' is missing name
5313	Projection '%1' is missing type
5314	Method '%1' inherited from class '%2' and required to be regenerated in this subclass has no code as superclass is deployed.
5315	Member '%1' method '%2' inherited from class '%3' and required to be regenerated in this subclass has no code as superclass is deployed.
5316	Class dependency loop for classes '%1'
5317	Class dependency loop for class '%1', parent/child class '%2' has a different system level
5318	Class dependency loop in classes that must be fully compiled before others in classes '%1'
5319	The type of a property in a serial class cannot be recursive: %1
5320	Class '%1' has more than one property of type %Library.RowVersion. Only one is allowed. Properties: %2
5330	Relationship OnDelete value '%3' in '%1': '%2' is invalid
5331	OnDelete keyword value '%3' is only valid for a relationship: '%1': '%2'
5349	Collection of type='%3' is not supported: '%1': '%2'
5350	Class '%1' can not be locked for exclusive use as user '%2' in process '%3' has an escalated lock.

Error Code	Description
5351	Class '%1' does not exist
5352	Class '%1' is not up-to-date
5353	Class dependency for class '%1' is unresolved.
5354	Circular inheritance detected: %1
5355	Method generator dependency unresolved: %1
5356	Compiled storage class '%1' does not exist
5357	Class dependency for class '%1' is unresolved because its parent/child, class '%2', is unresolved.
5358	Method with language = '%1' cannot be projected as an SQL procedure: '%2'
5359	Language type = '%1' not supported for method generator = '%2'
5360	Class '%1' is a stub name and can not be opened
5361	Attempt to set method '%1' but member method '%2' is already defined
5362	Attempt to set member method %1:%2:%3 but this is not defined in this class
5363	Attempt to set member method %1:%2:%3 but this is overridden by method %4
5364	Class '%1', used by '%2', is not defined.
5365	Name for table projected from collection '%1::%2' is not unique: %3
5367	Routine placement dependency unresolved: %1
5368	System shutting down so unable to compile.
5369	Class '%1' is currently being compiled by process '%2'
5370	Method generator '%1' does not exist
5371	Class '%1' can not be locked for shared use
5372	Class '%1' can not be locked for exclusive use
5373	Class '%1', used by '%2', does not exist
5374	Internal error attempting to create class descriptor in method '%1'. Contact support
5375	You can not use an instance property '%1' in a class method
5376	Method or Property '%1' does not exist in this class.
5377	You are attempting to call instance method '%1' from a class method
5378	Class '%1' is in deployed mode.
5379	Can not compile class in deployed mode: '%1'.
5380	Class '%1', used by '%2', is in deployed mode.
5381	Can not export class in deployed mode: '%1'.
5382	Can not edit class in deployed mode: '%1'.
5383	Only SQL DATA Map can be overridden: '%1'.
5384	SQL Map keywords are final, only new DATA items are valid: '%1'.

Error Code	Description
5385	SQL Map DATA piece %3 in node %2 is already used: '%1'.
5386	Method '%1' does not exist in any superclass to class '%2'.
5387	Method '%1' is abstract in the superclass to class '%2' so you can not call it.
5388	You do not have write permission on the database class '%1' is in, so class lock can not be obtained.
5389	Method '%1' is an instance method that uses ##super to call class '%2', but this class is not a primary superclass of '%3' so can not be called.
5390	Class dependency for class '%1' is unresolved because its predecessor, class '%2', is unresolved.
5391	Class dependency for class '%1' is unresolved because of the following error: %2.
5392	No such method '%1' defined in this class.
5393	You can not reference a property '%1' in a class method.
5394	Class '%1' depends on class '%2' which has a different System level that prevents it being compiled first or together.
5395	Invalid routine to call from class '%1' to method '%2' via label '%3'.
5396	Class descriptor for class '%1' is too large to be supported by system code.
5397	You do not have write permission on the database item '%1' is in so unable to compile this item.
5398	Lock table full: Class '%1' can not be locked for exclusive use
5399	Can not compile class '%1' because class '%2' is not up-to-date

**Table 1–13: General Error Codes - 5400 to 5599**

Error Code	Description
5400	Property cannot be stored in multiple data locations: '%1.%2'
5401	Invalid action type: %1
5402	Invalid CacheDirect map
5403	Invalid CLIENTDATATYPE: %1
5404	Invalid code mode returned by generator: %1
5405	Invalid collection type: %1
5406	Invalid default storage environment
5407	Invalid ID Cardinality: %1
5408	Invalid ID Counter: %1
5409	Invalid ID Dependency: %1
5410	Invalid ID Key: %1
5411	Invalid ID Key column: %1
5412	Invalid ID Key property: %1

Error Code	Description
5413	Invalid identity type: %1
5414	Invalid index attribute: %1
5415	Invalid key
5416	Invalid key property: %1
5417	Invalid method code mode: %1
5418	Invalid property type: %1
5419	Invalid reference type: %1
5420	Invalid storage alias
5421	Invalid storage definition
5422	Invalid usage of no context: %1
5423	No data maps defined
5424	No storage name specified
5425	Property parameter not declared: %1
5426	Property type can not be changed: %1
5427	Error compiling routine: %1
5428	Storage class not specified
5429	Storage '%1' not defined
5430	Trigger '%1' not defined
5431	Query parameter not declared: %1
5432	Type specified in ROWSPEC is invalid: %1
5433	Invalid ODBCTYPE: %1
5434	Invalid SQLCATEGORY: %1
5435	Invalid storage structure
5436	Invalid storage dependency
5437	Invalid storage literal expression: %1
5438	Invalid storage symbol expression: %1
5439	Storage undefined symbol: %1
5440	Invalid serial dependency
5441	Undefined storage symbol: %1
5442	Data subscript already in use: %1
5443	Multiple Id Keys defined: %1
5444	Multiple Primary Keys defined: %1
5445	Multiple Extent indices defined: %1
5446	Id Key cannot be conditional: %1

Error Code	Description
5447	Primary Key cannot be conditional: %1
5448	Extent index cannot be conditional: %1
5449	Cannot cluster data with Id Key: %1
5450	Cannot cluster data with Extent index: %1
5451	Properties cannot be defined for Extent index: %1
5452	Extent index cannot also be a key: %1
5453	Datatype classes can not have properties: %1
5454	Attribute specified in EXTENTQUERYSPEC is invalid: %1
5455	Trigger '%1' event invalid
5456	Trigger '%1' event required
5457	Trigger '%1' time invalid
5458	Trigger '%1' time required
5459	Trigger '%1' order required
5460	Trigger '%1' code required
5461	Stream type for attribute '%1' is invalid
5462	Stream storage value for '%1' is invalid
5463	Invalid foreign key attribute: '%1'
5464	Foreign key '%1' target class '%2' is invalid
5465	Foreign key '%1' target key '%2' is invalid
5466	Error code '%1' is out of range
5467	Error name '%1' is invalid
5468	Index '%1' TYPE is invalid
5469	View classes can not have properties: %1
5470	Id, Primary Key and Unique indices cannot override collation: %1
5471	Bitmap index cannot be unique: %1
5472	Cannot cluster data with a bitmap index: %1
5473	Constraint parameter not declared: %1
5474	ID Counter is not valid for external table: %1
5475	Error compiling routine: %1. Errors: %2
5476	Compilation signature in routine '%1' is incorrect
5477	Keyword signature error in %1, keyword '%2' must be '%3'
5478	Keyword signature error in %1, keyword '%2' must be '%3' or its subclass
5479	An IDKEY Index is required for persistent classes: %1
5480	%1 parameter not declared: %2

Error Code	Description
5481	Class %1 storage definition is invalid
5482	Class %1 storage is invalid
5483	Invalid collection type for subnode: %1
5484	Bitmap indices not supported in dependent class
5485	Bitmap indices are only supported when the IDKEY is based on a single positive integer attribute
5486	Invalid method language: %1
5487	Invalid ROWSPEC format %2: %1
5488	Invalid %1 formalspec format %2, expected %3
5489	Error \$ZE='%1' reported while running generator for property method '%2:%3'
5490	Error \$ZE='%1' reported while running generator for method '%2'
5491	Cannot form a relationship with a serial or literal class, '%1'
5492	Relationship cardinality is invalid, '%1'
5493	Relationship cardinality is required, '%1'
5494	Inverse cardinality, '%2' is not valid, '%1'
5495	Relationship inverse is required, '%1'
5496	Inverse property, '%2', is not defined, '%1'
5497	Inverse of inverse property, '%2' does not reference relationship, '%1'
5498	Related class, '%2', has not been compiled, '%1'
5499	Internal relationship error

Error Code	Description
5500	%1 formal argument type in %2 is invalid: %3
5501	Cache SQL not installed
5502	Error compiling SQL Table '%1'
5503	Field name is invalid: %1
5504	Parent column '%1' is invalid
5505	SQL Table, '%1', parent is invalid
5506	SQL Counter '%1' is invalid
5507	SQL Identity table '%1' is invalid
5508	SQL Map data field '%1' in Map '%2' is invalid
5509	SQL Map row IDField '%1' is invalid
5510	SQL Map Subscript '%1' in Map '%2' is invalid
5511	SQL Map type '%1' is invalid
5512	SQL Reference target '%1' is invalid



Error Code	Description
5513	Map Data Field '%1' is not a valid field
5514	Map expression - unknown or invalid field: %1
5515	Table '%1' already exists
5516	Table '%1' does not exist
5517	Table not found
5518	Table ID '%1' does not exist
5519	Invalid SQL Parent table
5520	Invalid table reference
5521	SQLException: SQLCODE=%1 %msg=%2
5522	Cannot export SQL Table '%1', parent not exported
5523	Table name is invalid: %1
5524	Invalid {Field} reference in %2: '%1'
5525	Class with View named '%1' not found
5526	Table '%1', specified as reference by '%2', does not exist
5527	SQL Privilege Violation
5528	Illegal Regular SQL identifier: '%1', SQL Delimited Identifier option is off
5529	Illegal Regular SQL identifier: '%1' is an SQL Reserved word please specify a different SQL name for this %2
5530	Invalid username/password
5531	SQLMGR Missing class name.
5532	Connection Error
5533	Allocation Error
5534	Columns error
5535	Tables error
5536	PrimaryKeys error
5537	Unable to move to offset %1 in stream
5538	Map Data Variable '%1' expression in Map '%2' is missing
5539	Map Data Variable name missing in Map '%1', subscript level '%2'
5540	SQLCODE: %1 Message: %2
5541	Map: %2 - Map Expression - unknown or invalid field: %1
5542	Map: %2 - Data Access Expression - invalid expression '%1'. Must be a {Li}, {Di}, or {iDj} reference from a previous subscript level.
5543	Map: %2 - Invalid Condition, NEXT Subroutine, Row Reference, or Subscript Stop Expression - invalid expression '%1'. Must be an {Li} or {Di} reference from this or a previous subscript level, or an {iDj} reference from a previous subscript level.

Error Code	Description
5544	Map: %2 - Data Access Variable Expression - invalid expression '%1'. Must be a {Li}, {Di}, or {iDj} reference from this or a previous subscript level.
5545	Map: %2 - Map Data Retrieval Code - invalid expression '%1'. Must be a {Li}, {Di}, {iDj}, {%row}, {%rowraw}, or {*} (This field) reference.
5546	Map: %2 - RowID Specifications - invalid expression '%1'. Must be a {Li} or any field from Map Data.
5547	Map: %2 - Subscript Expression - invalid expression '%1'. Must be a valid field reference. If this is the Master Map, it must be an IDKEY field.
5548	Map: %2 - Map Data Field Name - invalid expression '%1'. Must be a valid field reference.
5549	Map: %2 - Map Data Node - invalid expression '%1'. Must be a {Di} or {iDj} reference.
5550	SQL does not support data type methods in languages other than COS in class %1 method %2.
5551	DEFAULTDATA must be a listnode: %1
5552	PARENT token used in storage but there is no parent relationship: %1
5553	ID Property collation must be EXACT: %1
5554	%2 parameter value must be a positive integer: %1.%2=%3
5555	Incorrect numeric format in class %1 property %2 method %3
5556	Foreign key '%1' cardinality does not match referenced key
5557	BITSLICE index can only have one property: %1
5558	A SUBVALUE index is defined but BuildValueArray method is not implemented: %1
5559	Studio was not able to parse the class definition for class '%1' correctly, possibly due to non-matching {} or () characters, so we can not compile this class. Edit this in Studio and correct the problem.
5560	Can not save a read only method. This is because implementation is too large to put into property
5561	An index must have at least one property: %1
5562	A SUBVALUE index cannot be unique: %1
5563	%2 parameter value must be an integer between 0 and 15: %1.%2=%3
5564	Storage reference: '%1' used in '%2' is already registered for use by '%3'
5565	Error registering reference '%1' for use by '%2': %3
5566	Unable to recompile all classes in %SYS if cachelib database is read only
5567	Class '%1' is in a database you do not have write permissions on so it can not be compiled
5568	%Currency SCALE parameter value is final and cannot be overridden: %1.%2
5569	SCALE parameter value cannot be negative: %1.%2
5570	Class '%1' is in a database you do not have write permissions on so %2 cannot be defined as a subextent.
5571	Property '%1' in class '%2' is defined as 'not inheritable' but this is not supported.

Error Code	Description
5572	Can not inherit relationship property '%1' in class '%2' as a secondary superclass.
5573	Required constraint not supported on N-Cardinality relationship property '%1' in class '%2'.
5574	Error reported while running generator for parameter '%1'
5575	Index cannot reference a private property of a serial class: %1
5576	No metadata created by '%1'.
5577	Error calling metadata generator '%1'.
5578	No method found for metadata generator '%1'.
5579	Invalid codemode '%1' for metadata generator '%2'.
5580	SQL Privilege Violation: '%1'
5581	Error during Build or Purge Indices: \$ZError = '%1'
5582	Unable to grant all privileges on tables, views, and procedures to _PUBLIC for SAMPLES namespace: \$ZError = '%1'
5583	SQL Map '%1', Data Field '%2', Node Value '%3' is invalid. Node Value is not allowed for index maps, only data maps.
5584	Unable to grant SELECT privilege on tables Docbook.block to _PUBLIC for DOCBOOK namespace: \$ZError = '%1'
5585	Unable to define default RowID Specifications for class %1, map %2, field %3. RowID Specifications must be defined manually for this map definition.
5586	Invalid argument passed to %1. %2 parameter must be one or more of: %3.
5587	Invalid argument passed to %1. %2 parameter must be begin with one of: %3.
5588	Invalid argument passed to %1. %2 parameter must be '%3'.
5589	Invalid argument passed to %1. %2 parameter must be '9,ProcedureName'.
5590	Failed to acquire lock on extent %1 in order to determine Map Block Counts for the extent
5591	Invalid argument passed to %1. %2 parameter must be %3.
5592	Unable to split global '%1' into segments for parallel work because '%2'.
5593	Unable to split global '%1' into segments for parallel work.
5594	Error during %SQLBuildPurgeIndexForRow: \$ZError = '%1'

**Table 1–14: General Error Codes - 5600 to 5799 (Macro Compiler Errors)**

Error Code	Description
5601	No class context: %1
5602	Cannot resolve super class '%1'
5603	Instance variable '%1' does not exist
5604	Instance variable '%1' does not support array
5605	Invalid class context for instance variable '%1'
5606	Invalid usage of super - %1

Error Code	Description
5607	Reference variable '%1' does not exist
5608	Reference variable '%1' does not support array
5610	Referenced macro not defined: '%1'
5611	Function macro missing arguments: '%1'
5612	Referenced macro missing right paren: '%1'
5613	Too many arguments to macro: '%1'
5614	Not enough arguments to macro: '%1'
5615	No closing %1 character inside '%2'
5616	No open parenthesis after ##keyword
5617	Invalid preprocessor ##keyword: ##%1
5618	No closing parenthesis after ##%1
5619	Invalid ##%1 argument '%1'
5620	Need Table.Field for ##%1
5621	No table '%1' for ##%1
5622	No field '%1' in table '%1' for ##%1
5623	Invalid argument '%1' to ##%1
5624	No previous ##%1 (NEW%1) for ##%1(%1%1)
5625	No macro name for #define
5626	No closing paren for arglist
5627	More than one macro parameter with #def1arg
5628	Macro argument does not begin with %
5629	Bad character in argument
5630	##continue on last line
5631	'%1' ignored; not preceded by #if or #ifdef
5632	Null argument to '%1'
5633	Error evaluating #if or #elseif argument (%1): %2
5634	No macro name for #%1
5635	No include file '%1'
5636	No library file '%1'
5637	No version ##%1 for library file %1
5638	Incorrect mode for #sqlcompile
5639	##function on '%1' failed with an error: %2
5640	#routine already specified for this macro source file
5641	#routine cannot be specified after an sql statement

Error Code	Description
5642	invalid routine name specified in #routine
5643	cannot nest ##rtnref calls
5644	invalid reference specified in ##rtnref
5645	another element of the same name already exist
5646	##expression on '%1' failed with an error: %2
5647	Invalid macro name in #define or #def1arg: %1
5648	##function use is restricted to embedded SQL
5649	Too many (%1) macros referenced on this line. This might indicate recursion in the macro definitions.
5650	SPACE, TAB, "+", "-", "*", "/", "\", " " characters not allowed in <marker> when using &SQL<marker>(...)<reverse-marker> syntax
5651	Cannot do property
5652	Cannot set method
5653	Compiled class '%1' does not exist
5654	Method '%1' does not exist
5655	Parameter '%1' does not exist
5656	Property '%1' does not exist
5657	Method '%1' has no return value
5658	Object instance required
5659	Property '%1' required
5660	Query '%1' does not exist
5661	Collection property '%1' is required so must have at least one member
5662	Relationship child/many property '%1' is required so must have at least one member
5663	Statement type (%1) is not supported in #sqlcompile mode=deferred.

Error Code	Description
5701	Missing required name (macro compiler error)
5702	Missing left paren (macro compiler error)
5703	Missing right paren (macro compiler error)
5704	No equal sign after set left (macro compiler error)
5705	Unbalanced quotes (macro compiler error)
5706	Unbalanced parentheses (macro compiler error)
5707	Unbalanced #beginlit .. #endlit (macro compiler error)
5710	Unexpected #else (macro compiler error)
5711	Unexpected #elseif (macro compiler error)

Error Code	Description
5712	Unexpected #endif (macro compiler error)
5720	Unexpected end of line (macro compiler error)
5721	Unexpected end of file (macro compiler error)
5730	Incorrect delimiter (macro compiler error)
5731	External package named %1 not supported (macro compiler error)
5732	Macro nesting limit exceeded, check for circular macro reference (macro compiler error)
5733	No previous new for variable %1 (macro compiler error)
5734	Embedded file '%1' not found (macro compiler error)
5740	Compiling (macro compiler error)
5741	Compile Complete! (macro compiler error)
5742	Failed to file INT code (macro compiler error)
5743	Failed to file MAC code (macro compiler error)
5744	Module exceeded maximum PCODE size (macro compiler error)
5745	Compile Failed! (macro compiler error)
5746	Unable to split the code block, pcode is larger than %2 for routine '%1' (macro compiler error)
5747	Unable to split the code for routine '%1' as it is not INT code (macro compiler error)
5748	No current class context for #classcontext statement (macro compiler error)
5750	Security violation opening object '%1'
5751	Cannot access method '%1'
5752	Class '%1' is abstract
5753	Cannot instantiate abstract class '%1'
5754	Cannot instantiate datatype class '%1'
5755	Object '%1' is not registered
5756	Procedure name: '%1' is not valid
5757	Procedure: '%1' not found
5758	Method not implemented: %1
5759	Property is read only
5760	Fail to instantiate object instance: %1
5761	Fail to create new object instance: %1
5762	Class '%1' is read only
5763	Failed to create embedded object for '%1'
5764	%DeleteExtent could not delete all instances of '%1'
5765	Export was done on a system with a different locale: '%1'

Error Code	Description
5766	Invalid table name: '%1'
5767	Table already exists: '%1'
5768	Class already exists: '%1'
5769	Linking error: '%1'
5770	Object open failed because '%1' key value of '%2' was not found
5771	Object delete failed because '%1' key value of '%2' was not found
5772	Collection is read only
5773	Cannot set Identity property unless IDENTITY_INSERT option is on: %1
5774	Cannot update a previously assigned counter property value: %1:%2
5775	Unable to get a lock on class inheritance structure '%1' within timeout.
5795	Cannot acquire lock on referenced object for foreign key '%1' for '%2'
5796	Cannot acquire lock on referenced object for referenced key '%1'
5797	Instance of '%1' with '%2' key value = '%3' not found
5798	Failed to lock extent for exclusive access: '%1'
5799	Failed to lock extent for shared access: '%1'

**Table 1–15: General Error Codes - 5800 to 5999**

Error Code	Description
5800	Concurrency failure on update: object versions not the same for '%1'
5801	Cannot set serial
5802	Datatype validation failed on property '%1', with value equal to "%2"
5803	Failed to acquire exclusive lock on instance of '%1'
5804	Failed to acquire read lock on instance of '%1'
5805	ID key not unique for extent '%1' : '%2' exists. Id counter location = '%3'
5806	Lock type '%1' is invalid
5807	Oref '%1' is invalid
5808	Key not unique: %1
5809	Object to Load not found, class '%1', ID '%2'
5810	Object to Delete not found, class '%1', ID '%2'
5811	Nothing to load, class '%1', ID '%2'
5812	Null id, class '%1'
5813	Null oid, class '%1'
5814	Oid previously assigned, class '%1', ID '%2'
5815	Too many calls to close

Error Code	Description
5816	Transaction roll back failed
5817	No properties selected in query: %1
5818	Query is not closed
5819	Too many arguments
5820	Collection key '%1' is invalid
5821	Cannot instantiate query: '%1'
5822	Formal argument invalid: '%1'
5823	Cannot delete object, referenced by '%1'
5824	Object referenced by '%1' does not exist
5825	Not an instance of %1
5826	Class '%1' does not support '%2' interface
5827	Invalid cyclical dependency in save, class '%1'
5828	Concurrency must be an integer from 0 to 4
5829	Foreign Key constraint (%1) failed referential integrity check upon %2 in referencing extent
5830	Foreign Key constraint (%1) failed upon %3 of object in %2 (referential action of %4)
5831	Foreign Key constraint (%1) failed upon %3 of object in %2: At least 1 object exists which references key %4
5832	At least one component of the ID value for class %1 is Null: '%2'
5833	Value not an instance of property's type class: '%1::%2'
5834	ID counter value is invalid, check the console log: '%1'
5835	You can not disconnect a collection that is already disconnected
5836	Property type class '%3' is abstract: '%1::%2'
5837	Null GUID: '%1'
5838	You need %Development:use privilege to run this application.
5839	Unable to add CSP item '%1' to project because it already includes '%2' which is same name but different case.
5840	Unable to import file '%1' as this is not a supported type.
5841	Unable to goto offset %1 in line %2 in file '%3' as line is not long enough.
5842	Unable to goto line %1 in file '%2' as file too short.
5843	Unable to instantiate user defined document '%1'.
5844	User defined document '%1' not supported. No user defined document class in this namespace.
5845	Item '%1' is not editable%2
5846	To use Studio you must have %Developer:Use privilege.
5847	You can not import the default project '%1'.



Error Code	Description
5848	You can not export the default project '%1', rename project then export it.
5849	Routine '%1' is of language type '%2' which is different to the language specified.
5850	You can not add/remove '%1' to this project as it already contains the package '%2'.
5851	Cannot modify library class
5852	Cannot save library class
5853	Invalid element type
5854	Invalid global reference %1
5855	Invalid oid prefix
5856	SQLBinding does not exist
5857	Storage sql map data name required
5858	Storage sql map name required
5859	Storage sql map row IDSpec name required
5860	Storage sql map subscript name required
5861	Package routine prefix is too long
5862	Package global prefix is too long
5863	Another user has '%1' open for editing.
5864	User '%2' in process '%3' has '%1' open for editing.
5865	Item '%1' is not checked out of source control%2
5876	Project does not have a Name
5877	Invalid type for project item: '%1'
5878	Name for project item is blank
5879	No stream data to import
5880	Unable to create source control class: %1
5881	Project '%1' does not exist
5882	Unable to create a new routine with name '%1'
5883	Item '%1' is mapped from a database that you do not have write permission on.
5885	The CSP/CSR page '%1' will be opened as Read Only because its source file is marked as Read Only.
5886	Can not save compiled dictionary classes.
5887	Can not delete compiled dictionary classes.
5888	Can not create new compiled dictionary classes.
5889	Not logged into source control system so this action is unavailable
5890	Routine name '%1' is too long
5891	Unable to copy this project to a new name

Error Code	Description
5892	Routine '%1' already exists and is of a different type to the current routine. Either rename your routine or delete the routine that already exists.
5893	The file '%1' is invalid and terminates before a valid %RO file should, the routine '%2' may be truncated.
5894	There are too many items in this file to return a list of the items correctly, the list of items is truncated.
5895	Item '%1' is mapped from another namespace, so you can not save it here.
5896	Bad template mode '%1' can be one of TEMPLATE,ADDIN,NEW.
5897	The source control class can not be changed from Studio, it is locked as '%1'.
5898	Unable to decode this global format due to it being too long.
5899	Unable to decode this global format is bad '%1'.

Error Code	Description
5900	Package name supplied was '%1' but the real package name was '%2', case in inconsistent.
5901	Rule family '%1' does not exist
5902	Rule '%1' does not exist
5903	Rule name is required
5904	Attribute '%2' is required for tag '<%1>' on line number %3
5905	The value of attribute %1, '%2', is invalid, on line number %3
5906	Session ID is missing
5907	Session ID '%1' does not exist
5908	Failed to create class '%1': %2
5909	There is no closing tag for the tag <%1> on line number %2
5910	Must relogin with two factor protocol.
5911	Character Set '%1' not installed, unable to perform character set translation
5912	Page '%1' does not exist
5913	HTTP response has an invalid Content-Type '%1'
5914	CSP Application '%1' does not exist
5915	Cannot allocate a license
5916	Illegal CSP Request
5917	HTTP method '%1' not supported by CSP
5918	You are logged out, and can no longer perform that action
5919	The action you are requesting is not valid
5920	Must use CSP page '%1' from namespace '%2' and not current namespace '%3'
5921	The CSP application '%1' must specify a namespace to run in

Error Code	Description
5922	Timed out waiting for response
5923	Redirected %1 times, appears to be a redirection loop
5924	An error occurred and the specified error page could not be displayed - please inform the web master
5925	<SCRIPT LANGUAGE=CACHE> tag is missing either RUNAT or METHOD attribute, on line number %1
5926	Unable to redirect as HTTP headers have already been written and flushed
5927	Unable to load page '%1' because its class name conflicts with the class '%2' that is already loaded
5928	Syntax error while parsing tag <%1> on line number %2
5929	Syntax error while parsing CSP directive on line number %1
5930	Include path type does not match filename specification on line number %1
5931	Can only call this method/set this value in OnPreHTTP() before page has started to be displayed
5932	Action not valid with this version of the CSP Gateway on the web server
5933	The CSP Server had an internal error: %1
5934	The class '%1' referred to by the CSP:OBJECT tag '%2' on line %3 is not defined.
5935	The name of the HTML form, '%1', is longer than 25 characters on line %2.
5936	The HTML form '%1' is not bound to a valid csp object name on line %2.
5937	The object variable '%1' to which form '%2' is bound on line %3 is not defined.
5938	The tag name, '%1', is not unique in the form '%2' on line %3.
5939	The CSPBIND attribute for SELECT with QUERY must be a persistent object reference on line %1.
5940	CSP:OBJECT NAME attribute must be a valid identifier for tag '%1' on line %2.
5941	Multiple CHECKBOX tags cannot be bound to a single value field on line %1.
5942	%1 tag on line %2 has CSPBIND attribute, but is not in a bound form.
5943	SCRIPT LANGUAGE=SQL tag cannot have both NAME and CURSOR attribute on line %1.
5944	%1 attribute must be a valid identifier for %2 on line %3.
5945	MODE attribute must be DISPLAY, LOGICAL, ODBC or SYSTEM on line %1.
5946	Duplicate definition of SQL CURSOR '%1' on line %2.
5947	SQL CURSOR '%1' is not defined and is used on line %2.
5948	Duplicate definition of object '%1' on line %2.
5949	Duplicate definition of the rule '%1'.
5950	Class '%1' does not exist for rule '%2' on line %3.
5951	The csp:search tag '%1' may have ONSELECT specified only with OPTION=POPUP on line %2.

Error Code	Description
5952	The CSP rule version has changed - user rules need to be reloaded.
5953	Query method did not return a value: %1.
5954	Failed to lock CSP page.
5955	CSPAppList query: invalid data in Fetch().
5956	Directory '%1' for CSP Application '%2' does not exist
5957	CSPPageLookup: Search error.
5958	CSPPageLookup: CLASSNAME Missing.
5959	CSPPageLookup: WHERE Missing.
5960	CSPPageLookup: Unable to create result set.
5961	Unable to convert character set '%1'.
5962	Unable to allocate new session.
5963	Invalid SysLog level: %1.
5964	Cache language changed by page directive on line number %1
5965	Invalid Cache language, '%1', specified on line number %2
5966	Unknown charset, '%1', specified on line number %2
5967	The CSP hyperevent request did not include a mandatory parameter so it can not be processed.
5968	CSR:RULE LANGUAGE attribute value, %1, is invalid in rule %2.
5969	Script tag language, '%1', does not match page language on line number %2
5970	Static SQL tags are not supported on Basic pages on line number %1
5971	An error occurred attempting to trade a CSP license for a named user license '%1'
5972	Invalid format for SaveCallback for form %1
5973	The CSP page '%1' is too large to load, we support pages up to 1.5Mb in size.
5974	The persistent session is no longer available because the server process does not exist
5975	Unable to lock session object as another process has this lock
5976	Direction attribute is not 'forward' or 'backward' on line %1.
5977	Direction part of WHERE, SELECT or ORDER attribute of csp:search must be ASC or DESC.
5978	Value of cspSaveMsgEscape attribute must be None, HTML or JS on line number %1.
5979	Session Id invalid.
5980	Preserve=1 mode only supported with a real web server.
5981	csp:include tag must include a PAGE attribute to specify the page to include.
5982	Only the SELECT SQL command is allowed in SCRIPT LANGUAGE=SQL tag on line %1.
5983	Page not found.
5984	In order to run pages in this application we need an authenticated user.

Error Code	Description
5985	Attempt to use a CSP session for service '%1' when session was started as service '%2'.
5986	Current user is not authenticated to run service '%1'.
5987	Methods that are defined in a CSP page must be classmethods on line %1.
5988	The session is only using cookies for session management, but the browser provided a CSPCHD argument to this session.
5989	System rules (name begins with %) and namespace local rules may not both be defined in the same file.
5990	Session id '%1' not found.
5991	Unable to create SOAP method %1
5992	You are not allowed to alter the SecurityContext property
5993	CSP error trap called with no error information available.
5994	The CSP application '%1' specifies a namespace '%2' that does not exist.
5995	Unexpected attribute, %1, on line %2.
5996	Unable to find CSP.ini CSP gateway file.
5997	Unable to find CSP gateway username in CSP.ini file.
5998	Unable to update the CSP.ini CSP gateway file.
5999	Expecting second portion of two factor authentication to finish login process.

## 1.5 Error Codes 6000 to 6999

**Table 1–16: General Error Codes - 6000 to 6199**

Error Code	Description
6000	Entered Security Token '%1' did not match sent token.
6001	Can not restore file '%1' because it contains OBJ routines
6002	File '%1' is not a %RO output file
6003	Unable to convert class format
6004	Unable to export class as XML
6005	Unable to import class from XML, details follow '%1'
6006	The XML file does not contain a recognized import format
6007	Unable to set 'Content-Length' header, since it's readonly.
6008	Unable to set 'Connection' header.
6009	Method not supported.
6010	Already connected.
6011	Need to be connected.

Error Code	Description
6012	No response from POP server: %1.
6013	Unable to make TCP/IP connection to mail server. An earlier connection may not have been closed.
6014	TCP/IP session already terminated.
6015	POP3 Server reported error: %1.
6016	Invalid response to %1 command: %2.
6017	Line read from mailbox should not be blank
6018	TCP/IP session unexpected error: %1.
6019	Attempt to find location failed
6020	Handler POP failed
6021	Handler PUSH failed
6022	Gateway failed: %1.
6023	Query not Prepared.
6024	Invalid %qacn.
6025	Gateway: Invalid connection handle.
6026	Gateway: Cannot allocate statement.
6027	NamespaceList query: invalid data in Fetch().
6028	Error in Macro Preprocessor: %1.
6029	Timed out waiting for response.
6030	'%1' property must be specified for SMTP.
6031	Unable to open TCP/IP connection.
6032	Unexpected initial message, server may not be SMTP server: %1.
6033	Error response to SMTP %1: %2.
6034	SMTP server connection failed during %1 command: %2.
6035	Output charset must be specified on Unicode system.
6036	Character > 255 not valid for quoted printable message
6037	Nothing imported.
6038	Failed to Initialize
6039	RetType not VOID or HRESULT
6040	RetType name not NULL
6041	No class to compile: %1
6042	Routine %1 object code not found
6043	Database contains class definitions: %1
6044	Cannot mount database: %1

Error Code	Description
6045	Illegal Export Directory Name
6046	Database doesn't exist: %1
6047	Invalid identifier format
6048	Invalid Statement Type: %1
6049	Invalid Dynamic Query formal parameter %1
6050	Invalid number of parameter values
6051	Error Generating INTO clause:
6052	Invalid conversion direction value
6053	Malformed serialized data
6054	A valid %MessageDictionary is not specified by '%1'
6055	No language specified.
6056	Unable to find translate table for output charset: %1.
6057	POP3 error: %1.
6058	MessageNumber must be specified.
6059	Unable to open TCP/IP socket to server %1
6060	Somebody else is using the Monitor.
6061	The Monitor is not running
6062	The Monitor is already running
6063	Memory allocation for the Monitor failed
6064	Could not enable statistics collection for Monitor
6065	Unable to open collection '%1'
6066	Invalid extension type on compile '%1'
6067	Problem rebuilding the class index
6068	Unable to find default XML catalog file '%1'
6069	Error loading global file '%1' : %2
6070	SMTP Send failed for all specified email addresses.
6071	Required argument missing
6072	Invalid License Key Data
6073	Could not open license key file '%1' for write.
6074	Invalid value for ContentTransferEncoding: %1
6075	%1 is not a block number.
6076	Block %1 is not a bitmap block.
6077	Can not compare routines '%1' and '%2' as they are different types
6078	No implementation in source control class for action %1 with document %2

Error Code	Description
6079	The class '%1' is not a valid Studio extension class.
6080	Can not export '%1' type in %RO format for item '%2'.
6081	XML exported abstract document data not formatted as CDATA.
6082	License upgrade error: '%1'.
6083	The operation is not licensed.
6084	Unknown errors detected, but no error code reported
6085	Unable to write to socket with SSL/TLS configuration '%1', error reported '%2'
6086	If Content-Type is message/rfc822, the only part must be a %Net.MailMessage.
6087	Content-Transfer-Encoding for attached email must be '7bit' or '8bit'.
6088	Invalid response from proxy '%1' on CONNECT command '%2'.
6089	CONNECT command to proxy '%1' failed with response '%2'.
6090	No boundary attribute specified for multipart Content-Type.
6091	Unexpected boundary line found at beginning of MIME body.
6092	Invalid MIME header format.
6093	Unexpected end of message found. Invalid MIME format.
6094	MIME message source must be defined using OpenFile or OpenStream.
6095	HTTP header name too long to store '%1'.
6096	Global name '%1' is not valid.
6097	Cache error '%1' while using TCP/IP device \$zu(189,1)='%2'
6098	Unable to create temporary file for HTTP request
6099	SSLConfiguration must be specified if UseSTARTTLS is true.
Error Code	Description
6100	STARTTLS not supported for SMTP: %1.
6101	Com Exception: '%1'
6102	Com CoClass has no default Interface defined
6103	Com CoClass default interface does not support automation
6150	Unable to set new source control class as you do not have WRITE privileges needed update ^%SYS global
6151	Item '%1' is marked as read only by source control hooks.
6152	Unable to remove item '%1' from the project as is not present in the project.
6153	Email must be retrieved with Fetch before GetAttachedEmail is called.
6154	Connection to web server can not reuse existing socket as socket was closed to server '%1'.
6155	Unable to verify SSL/TLS connected to correct system as no SSL certificate present for this socket.



Error Code	Description
6156	No match between server name '%1' and SSL certificate values '%2'.
6157	Unable to save CSP file '%1' because temp file '%2' was not created, check directory permissions.
6158	Unable to use fulldeploy on class '%1' because it is a subclass of %SwizzleObject or %XML.Adaptor.

**Table 1–17: General Error Codes - 6200 to 6399**

Error Code	Description
6201	Cannot Create Object: %1
6202	Cannot Create Message Handler: %1
6203	Unexpected Element
6204	SOAP message contains prohibited processing instruction
6205	Element must be namespace qualified
6206	Version Error, namespace must be %1.
6207	Unexpected SOAPACTION value: %1
6208	Unexpected Attribute
6209	Wrong number of Attributes
6210	Invalid Attribute value
6211	Missing Attribute
6212	Incorrect Attribute namespace
6213	Attribute namespace not in scope
6214	Attribute NOT qualified
6215	Attribute value NOT qualified
6216	Unsupported Transport
6217	Add Operation Failed
6218	Duplicate Element
6219	Unknown Error
6220	Internal Server Error
6221	Mandatory Header NOT supported: %1
6222	Invalid SoapBindingStyle keyword '%1' for WebMethod %2.
6223	Invalid SoapBodyUse keyword '%1' for WebMethod %2.
6224	Arguments to a Web Service may not be of type: %1.
6225	A DTD cannot be generated for class: %1.
6226	Argument, %1, of WebMethod, %2, must be a simple type or SOAP enabled.
6227	Server Application Error

Error Code	Description
6228	Badly formed SOAP Message
6229	XMLPROJECTION value is inconsistent with type of property: %1.
6230	Invalid value for XMLPROJECTION of property: %1.
6231	Invalid format for %XML.Adaptor: %1.
6232	Datatype validation failed for tag, %1, with value: %2
6233	XML input is not in proper format for tag: %1.
6234	Required tag not present: %1
6235	Unexpected namespace for tag: %1.
6236	Referenced id not found, %1, for tag: %2.
6237	Unexpected tag in XML input: %1.
6238	Key attribute not specified for an array tag: %1.
6239	Only one property may have XMLPROJECTION = content
6240	SERVICENAME must be specified by overriding the SERVICENAME parameter.
6241	The SOAP WebClient LOCATION parameter must specify http or https transport.
6242	HTTP request to SOAP WebService returned unexpected status: %1.
6243	HTTP request to SOAP WebService returned response with unexpected CONTENT-TYPE: %1.
6244	The location of the web service must be specified.
6245	Client Web Method may not have an argument beginning with %: %1.
6246	No response to SOAP request.
6247	Unexpected encoding of SOAP response.
6248	SOAP response is a SOAP fault: %1
6249	A class referenced by an XMLENABLED class must be a subclass of %XML.Adaptor: %1
6250	Collection property requires ELEMENTTYPE parameter in referenced class: %1
6251	Cannot find message element '%1' in XML namespace '%2'
6252	Datatype validation failed because no value found for tag, %1.
6253	Datatype validation failed for tag %1. Unexpected tag <%2> found.
6254	Tag expected, XML input, %1, is not in proper format as child of %2.
6255	XML is not in proper format for DataSet record in field '%1', %2.
6256	SubstitutionGroup for property '%1' is inconsistent with previous substitutionGroup.
6257	XMLCHOICELIST for property '%1' may not contain literal type '%2'.
6258	Invalid ENCODING parameter '%1' for property '%2'.
6259	XMLPROJECTION for property '%1' may not be ID unless this property is a persistent object.
6260	Datatype validation failed for attribute, %1, with value %2 for element %3.

Error Code	Description
6261	Unexpected value for XMLIGNORENULL class parameter: %1
6262	Invalid value for XMLIO of property: %1.
6263	Invalid value for XMLREFERENCE of property: %1.
6264	Invalid value for XMLTYPECONSTRAINT of property: %1.
6265	XMLREFERENCE and XMLTYPECONSTRAINT may be specified only for class references for property: %1.
6266	XMLTYPECONSTRAINT may not be specified with XMLREFERENCE = ID for property: %1.
6267	XMLSUMMARY must a comma separated list of class properties.
6268	Invalid value for XMLDEFAULTREFERENCE.
6269	CLASS and QUERY must be specified for a typed dataset.
6270	Duplicate WebMethod name not allowed: %1.
6272	The QUERYNAME parameter and the classname (or XMLNAME override) may not be the same.
6273	An %XML.DataSet cannot have the QueryName and DataSetName properties.
6275	Cannot output a new XML document or change %XML.Writer properties until the current document is completed.
6276	A root element must be written to contain child elements.
6277	Type attribute, %1, does not specify valid type for XML input tag: %2.
6278	XML output string is not available.
6279	XML output string length is greater than the maximum string length.
6280	An %XML.DataSet cannot be directly executed to get the query result.
6281	%1 of class %2 must be able to differentiate child classes of %3.
6282	Malformed SOAP Body in response.
6283	Unexpected session cookie in session header.
6284	Security header error: %1.
6285	Cannot call EndDocument unless StartDocument called.
6286	Root element, processing instruction or DOCTYPE may not be in root element.
6287	Attribute may only be called immediately after Element or RootElement.
6288	Invalid schema for %XML.Dataset at element '%1', %2.
6289	Dataset schema does not match the specified typed %XML.Dataset: %1, %2 : %3 '=' %4.
6290	Dataset schema must be in XML input if %XML.Dataset is not typed.
6291	Dataset name, row name and XML namespace must match XML schema for %XML.Dataset.
6292	%XML.Dataset may not have duplicated column name: %1.
6293	Unable to load translate table '%1' for charset '%2'.

Error Code	Description
6294	Cannot find message part in schema: %1
6295	Internal error in XML Schema Wizard: %1
6296	XML export cycle found in class: %1
6297	Invalid value for XMLSTREAMMODE of property: %1.
6298	XMLSTREAMMODE is not permitted for property %1, since it is not a character stream.
6299	XMLNAME does not specify a valid XML name for property %1.

Error Code	Description
6300	Invalid value for XMLFORMAT.
6301	SAX XML Parser Error: %1
6302	XML message file format invalid at Line %1 Offset %2.
6303	Content Handler is NOT a subclass of %XML.SAX.ContentHandler
6304	Unable to export item '%1' because XML export does not support items of this type. Will skip this item.
6305	Unable to export item '%1' because can not instantiate user defined document type '%2'. Will skip this item.
6306	CSP page '%1' does not have an associated application, skipping this item.
6307	CSP file '%1' associated with page '%2' does not exist, skipping this item.
6308	Item '%1' is invalid or does not have any data to export, skipping this item.
6309	Class '%1' is in deployed mode and so can not be exported, skipping this item.
6310	URL '%1' is malformed and cannot be processed
6311	Schema definition for namespace '%1' does not exist.
6312	Unable to find default namespace for class '%1'.
6313	Schema moniker type '%2' (from schema '%1') is invalid.
6314	SAX XML Parser Warning: %1
6315	Errors reporting importing XML subelement in file '%1' at line '%2' offset '%3', skipping this item.
6316	No subdocument to import, skipping this item.
6317	Invalid value for XMLINHERITANCE: %1.
6318	Property required in XML document: %1
6320	Unexpected value for fixed attribute, %1, with value %2 for element %3.
6321	Only CreateSequenceResponse response to WS-ReliableMessaging CreateSequence request is supported: %1.
6322	Unsupported value of IncompleteSequenceBehavior in CreateSequenceResponse message: %1.
6323	Unexpected WS-ReliableMessaging header: %1

Error Code	Description
6324	WS-ReliableMessaging Sequence header expected but not present
6325	WS-ReliableMessaging response Sequence header LastMessageNumber does not match request Sequence header
6326	Only CloseSequenceResponse response to WS-ReliableMessaging CloseSequence request is supported: %1.
6327	Only TerminateSequenceResponse response to WS-ReliableMessaging TerminateSequence request is supported: %1.
6328	A %SOAP.RM.CreateSequence object may only be used once to call %StartRMSession in order to start an RM session.
6350	SoapMessageName keyword may only be specified for a web service method: %1.
6351	SoapAction keyword may only be specified for a web service method: %1.
6352	Invalid value for HttpRequester: %1.
6353	Unexpected attributes for element %1: %2
6354	If a property is not of type string and has XMLPROJECTION = content, then all other properties must have XMLPROJECTION = attribute.
6355	SOAP message has no body.
6356	Invalid node type: %1.
6357	Parent node may not be set directly.
6358	Error scanning tree: element expected.
6359	Binary SOAP protocol may not be used with %SOAP.WebRequest.
6360	Unexpected class, %1, received for binary SOAP protocol. %2 expected.
6361	Class must be XML enabled: %1.
6362	Duplicate definition of XML schema %1 %2 for class %3.
6363	Inconsistent use of encoded format for XML namespace %1.
6364	Inconsistent definition of ELEMENTQUALIFIED or ATTRIBUTEQUALIFIED for classes in namespace %1.
6365	Invalid format of SOAP binary %1.
6366	Unexpected top logical block: %1.
6367	Unexpected SOAP binary version number: %1.
6368	Duplicate definition of class, %1, in SOAP binary message.
6369	Object instance refers to unknown class with index %1 in SOAP binary message.
6370	Duplicate specification of SOAPCLASSNAME for class %1.
6371	ServiceName must be specified in SOAPCLASSNAME for class %1.
6372	Multipart MIME SOAP message received with unexpected Content-Type header field: %1. Only SOAP with Attachments and MTOM are supported.
6373	The SOAPVERSION parameter specifies an unsupported SOAP version: %1.

Error Code	Description
6374	SOAP version %1 is not supported for this web client.
6375	SOAP encodingStyle %1 is not supported.
6376	Mandatory Header NOT supported
6378	Invalid value for SECURITYIN parameter: %1
6379	WS-Security header is required.
6380	Format of certificate file is invalid: %1.
6381	Unsupported Encryption algorithm for WS-Security: %1.
6382	Key encryption failed: %1.
6383	Encryption failed: %1.
6384	Invalid value for XMLMAPPING.
6385	XMLPROJECTION as attribute or content not allowed for XMLMAPPING="sequence".
6386	XMLPROJECTION must be "group" when referencing class with XMLMAPPING="sequence": %1.
6387	ARGUMENTSTYLE must be either "wrapped" or "message": %1.
6388	Unexpected element in SOAP message: %1.
6389	Unable to create security element: %1.
6390	Signature validation failed: %1.
6391	Invalid WS-SecureConversation DerivedKeyToken: %1.
6392	Only RequestSecurityTokenResponseCollection response to WS-SecureConversation RequestSecurityToken request is supported: %1.
6393	RequestSecurityTokenResponseCollection response to WS-SecureConversation RequestSecurityToken request with no elements is not supported.
6394	Unexpected %1 in SecurityTokenRequestResponse: %2.
6395	%1 element is not supported in SecurityTokenRequestResponse.
6396	SecurityContextToken not returned in SecurityTokenRequestResponse.
6397	Invalid SecurityContextToken in SecurityTokenRequestResponse: %1."
6398	SecurityContextToken has no associated key.
6399	Unexpected SecurityTokenRequestResponse to cancel request.

**Table 1–18: General Error Codes - 6400 to 6599**

Error Code	Description
6401	Element '%1', invalid attribute '%2'
6402	Element '%1', attribute '%2' has invalid value %3
6403	Element '%1' contains invalid attributes
6404	Element '%1', invalid

Error Code	Description
6405	Element '%1' has invalid value '%2'
6406	Specified namespace '%1' is invalid, MUST be '%2'
6407	Cannot deduce Schema Type - No valid correspondence found
6408	Cannot deduce Message Type - No valid correspondence found
6409	Unsupported encoding '%1'
6410	Element '%1', required attribute '%2' is missing
6411	Element '%1' is missing
6412	Element '%1' - cannot determine %2 for operation %3
6413	Element '%1' - corresponding %2 %3
6414	Element '%1' - duplicate name '%2'
6415	Element '%1' - unsupported transport '%2'
6416	Element '%1' - unrecognized %2 element '%3'
6417	Element '%1' - message '%2' type or element attribute must be specified for a part.
6418	Element '%1' - message '%2' parameters not found for literal encoding
6419	Element '%1' - inconsistent %2 for operation %3
6420	Element '%1' - parts list contains an undefined or multiply defined part name.
6421	Element '%1' - %2 ParameterOrder parameter count mismatch
6422	WSDL namespace is not defined for targetNamespace = %1.
6423	SOAP namespace is not defined for targetNamespace = %1.
6424	Element '%1' - message '%2' both type and element attribute may not be specified for a part.
6425	Element '%1' - message '%2' Message Style must be used for document style message with 2 or more parts.
6426	Both the Client and the Service class cannot be in the same package: %1.
6427	Client class not defined: %1.
6428	Cannot define configuration for client class, %1, since it is already configured by %2 which configures multiple classes.
6429	The specified WSDL must have exactly one port which will supply the policy for %1.
6440	Unexpected root element, %1, in %SOAP.Configuration XData block,%2.
6441	Unexpected element, %1, in %3 XData block, %2.
6442	Duplicate name of %SOAP.Configuration XData block: %1.
6443	Duplicate configuration name, %1, for SOAP class, %2.
6444	SOAP class name not specified for service in configuration: %1.
6445	Method name not specified for method element in configuration: %1.
6446	Duplicate method name, %1, in configuration, %2.

Error Code	Description
6447	Unexpected element, %1, from WS-Policy namespace in %SOAP.Configuration XData block, %2.
6448	Name attribute of configuration, %1, does not match name of %SOAP.Configuration XData block, %2.
6449	Invalid SOAP configuration class name %1.
6450	Configuration not found, %1, in %SOAP.Configuration class, %2.
6451	A policy assertion, %1, may not have text children in %SOAP.Configuration class, %2.
6452	Internal error while analyzing policy in configuration %1: %2.
6453	Unsupported assertion namespace "%1", assertion=%2, configuration=%3.
6454	No supported policy alternative in configuration %1.
6455	Policy assertion %1 is not supported in configuration %2.
6456	Policy assertion %1 is not recognized in configuration %2.
6457	Policy assertion %1 may not have wsp:Policy child element in configuration %2.
6458	Policy assertion %1 has unsupported parameter %2 in configuration %3.
6459	Policy assertion %1 Header parameter requires Namespace attribute in configuration %2.
6460	Policy assertion %1 Header parameter requires Name attribute in configuration %2.
6461	Policy assertion %1 does not support nested policy assertion %2 in configuration %3.
6462	Policy assertion %1 requires a nested policy in configuration %2.
6463	Policy assertion %1 is not in expected namespace in configuration %2.
6464	Only one %1 may be specified in configuration %2.
6465	No assertion parameters are supported for token %1 in configuration %2.
6466	Unsupported token %1 in %2 assertion in configuration %3.
6467	%1 requires AlgorithmSuite assertion in configuration %2.
6468	Token %1 format error in configuration %2.
6469	Unexpected value for sp:IncludeToken %1 in configuration %2.
6470	%1 requires one %2 token in configuration %3.
6471	%1 requires at least one token in configuration %2.
6472	%1 element is not in expected namespace, in %3 XData block, %2.
6473	Unexpected attribute %1 in %2 element in configuration %3.
6474	Both cfg:FindField and cfg:FindValue must be specified if either is specified for sp:X509Token in configuration %1.
6475	Unexpected value of cfg:FindField, %1, for sp:X509Token in configuration %2.
6476	No local URI attribute for wsp:PolicyReference element in configuration %1.
6477	URI attribute, %1, for wsp:PolicyReference element does not reference a policy in configuration %2.



Error Code	Description
6478	sp:Username token is not valid for a supporting token with sp:SignedParts or sp:EncryptedParts assertion.
6479	cfg:wSDLElement="%1" does not specify a valid value for wSDLElement in configuration %2.
6480	Method name not specified for method element in parameters XData in class: %1.
6481	Method named %1 in method element of parameters does not exist in class %2.
6482	Header element requires %1 attribute in class %2.
6483	Conflicting DerivedKey assertions for %1 in configuration %2.
6484	Action element requires non-empty value in class %1.
6485	Only one SecurityContextToken may be specified for %1 in any alternative in configuration %2.
6486	Value of cfg:Lifetime, %1, for sp:SecureConversationToken must be in hours as a floating point number in configuration %2.
6487	Value of %1 parameter, %2, is not of expected type, %3, in configuration %4.

Error Code	Description
6501	Unrecognized XSD type '%1'
6502	Cannot determine corresponding Cache type for specified XSD type '%1'
6503	Lock timeout. XML projection failed for class '%1' trying to lock '%2' with timeout '%3'
6504	XML projection of an array of streams is not supported in property: %1.
6505	SOAP session failure: new session created since session specified in session header was not found.
6506	No schema definition was found in specified file.
6507	Invalid value for XMLNILNOOBJECT, %1.
6550	Cannot open QR Code %1 file %2.
6551	Cannot open QR Code exception file %1.
6552	QR Code file %1 not created.
6553	Invalid correction level %1, must be one of 'L', 'M', 'Q', or 'H'.
6554	QR Code not supported on this platform.
6555	QR Code invalid Dimension parameter %1.
6556	QR Code Correction Level %1 supports string length of %2, size of string is %3.
6557	The QRCode string %1 may not have been correctly escaped. The partial QR Code is in the file %2.

**Table 1–19: General Error Codes - 6600 to 6799**

Error Code	Description
6601	BeanName is required.
6602	RootDir is required.

Error Code	Description
6603	ClassPath is required.
6604	App Server Home is required. (APPSERVERHOME is "").)
6605	Java Home is required.
6606	Path is required.
6607	ServerType is required.
6608	We only support QuickStatement interface.
6609	%1 is neither Persistent nor a Session Bean. ClassList is %2. ClassList must contain only Persistent or Session Bean classes.
6610	ClassList must be specified in projection or in calling this routine. ClassList must not be empty.
6611	This server whose name is %1 is not defined in the EJB Wizard. Please pick one of WEBLOGIC, WEBLOGIC7, WEBLOGIC8, JBOSS, JBOSS3 or PRAMATI. JBOSS generates code for JBOSS 2.4.3 and 2.4.4 and JBOSS3 generates code for JBoss 3.X. For WebLogic 6.1 use WEBLOGIC, for WebLogic 7.0 use WEBLOGIC7, and for WEBLOGIC 8.1 use WEBLOGIC8. Please read your release notes for the list of supported servers.
6612	CMP generator for Class=%1 failed: CMP generation is only supported on classes with primary keys.
6613	Common CPP output not set
6614	getClassMethodsError: %1 className=%2
6615	getClassPropertiesError: %1 className=%2
6616	getClassQueriesError: %1 className=%2
6617	getEJBClassNameError: %1 className=%2
6618	getEJBClassNameError: %1
6619	Common output not set
6620	Common language generator object not set
6621	EJB Easy projection is only supported on Windows. On UNIX® use EJB.
6622	PersistenceType must be BMP or CMP.
6623	CMP generation for Class=%1 failed. CMP generation can only be done if all required properties are CMP compatible. Property=%2 is not CMP compatible.
6624	EJB generation for ClassList=%1 failed. ClassList must include at least one persistent class that is not a session bean.
6625	WebLogic requires a testable to be defined to test connection existence in connection pooling.
6626	Class %1 is not projectible. Projection is aborting. If the super of a class is not a %RegisteredObject and all the methods of the super are server-only and the class has some methods that are not class methods then it is not projectible. If the super of a class is null then the class must contain only class methods.
6627	%1 is not a valid value for TRANSACTIONISOLATION valid values are TRANSACTION_READ_UNCOMMITTED, and TRANSACTION_READ_COMMITTED.

Error Code	Description
6628	Class %1 is not projectible. Projection is aborting. For a class to be projectible all methods in the class must have the same signature in the left-most super. There is a conflict on Method %2.
6629	Class %1 is not projectible. Projection is aborting. For a class to be projectible all properties in the class must have the same declaration in the left-most super. There is a conflict on Property %2.
6630	Class %1 is not projectible. Projection is aborting. For a class to be projectible its left-most super %2 must be a %Library.RegisteredObject or class %1 must be a "static" class: a class that has only class methods and no properties or instance methods.
6631	Persistent Class %1 is not projectible. Projection is aborting. For a persistent class to be projectible its left-most super %2 must be a %Library.Persistent.
6632	Class %1 is not up-to-date. Please recompile the class and try again.
6633	Class %1 is not projectible to EJB. Projection is aborting. For a class to be projectible all its child tables must be valid. Child table %2 is not valid.
6634	getClientClassDefError: %1 className=%2
6635	QueryGetInfoError: %1, className=%2, query=%3
6636	Class %1 is a datatype and cannot be projected
6637	It is not valid for a format flag to contain / (back-slash). The invalid format flag is %1.
6638	The List that %1 is attempting to return on Class %2 is too big
6639	getCountMethodsError: %1 className=%2
6640	getCountPropertiesError: %1 className=%2
6641	getCountQueriesError: %1 className=%2
6642	Aborting EJB Projection of %1 because property %2 is required and yet is not supported by the EJB Wizard.
6643	Class %1 is not exportable. It should extend %Compiler.LG.Exportable to be exportable.
6645	%1: %2 className=%3
6646	JAVAPACKAGE parameter conflicts with clientname parameter. JAVAPACKAGE is %1 and clientname parameter is %2
6647	Server side code generation is not available. Please use cpp_generator for client side code generation.
6648	Cannot generate code for class %1 because depends on class %2 which has a problem in its generation.
6649	Cannot generate code for class %1 because depends on class %2 which cannot be generated for reason: %3.
6650	Cannot generate code for class %1 because depends on class %2 which is serveronly class.
6651	Skipping generation of class %1 because it depends on something that is not projectable and is not serveronly. Here is more information. %2
6653	Class %1 has an empty JavaBlock

Error Code	Description
6654	Class %1 has more than one JavaBlock
6655	Cannot project %1 because super %2 is collection.
6656	Cannot project %1 as POJO because method %2 has ByRef argument.
6657	Cannot project %1 because method %2 has abstract stream in return type or argument type.
6658	Cannot project %1 because left-most super %2 is a stream.
6659	Timed out waiting for lock on cache for class %1
6660	QueryGetParamInfoError: %1, className=%2, query=%3

Error Code	Description
6701	Already Attached
6702	Missing PID value
6703	Invalid PID value
6704	Target has exited debugger
6705	Could not issue break to target
6706	Error attaching to CSP server: %1
6707	Not Attached
6708	Error unattaching from target
6709	Target not stopped
6710	Could not attach to target
6711	Invalid debugger target: %1
6712	Unable to find mapping for breakpoint '%1'
6713	Start target failed
6714	Cache Debugger Error: %1
6715	Invalid PID value '%1'
6716	Target already in debug mode
6717	Target in signon mode

**Table 1–20: General Error Codes - 6800 to 6999**

Error Code	Description
6901	XSLT XML Transformer Error: %1
6902	Error Handler is NOT a subclass of %XML.XSLT.ErrorHandler
6903	Output Stream is NOT a subclass of %BinaryStream
6904	Result Handler is NOT a subclass of %XML.XPATH.ResultHandler
6905	Input Stream is NOT a subclass of %BinaryStream
6906	%New() should NOT be called directly, use 'Create...' factory methods

## 1.6 Error Codes 7000 to 7999

**Table 1–21: General Error Codes - 7000 to 7199**

Error Code	Description
7001	TSQL compiler error: %1
7002	TSQL: %1
7003	ISQL compiler error: %1
7004	ISQL: %1
7005	TSQL querybuilder expected "%1" (got "%2")
7006	You can't assign the result of a query to a variable
7011	TSQL language mode requires procedureblock: '%1::%2'
7050	Error opening class definition for "%1": "%2"
7051	Unrecognized input: "%1"
7052	Read: Missing "]"
7053	Read: Missing quote at end of string
7054	Read: Syntax error at or around "%1"
7055	RunQuery: Procedure "%1" is not a query
7056	RunQuery: Argument "%1" has already been passed (as "%2")

Error Code	Description
7101	Specified Seek position (%1) is past end of file (%2)
7102	FileStream Mode %1 does not include Read mode setting
7103	FileStream Mode %1 does not include Write mode setting
7104	No delegated input stream is bound to this MetaStream
7105	No Translation Table mapping found for CharEncoding '%1'
7106	IO Stream class %1 is not closeable
7107	Delegated IO Stream class %1 is not Seekable
7108	Object of type %1 is not a Stream object
7109	Timed out after %2 seconds trying to open stream '%1'
7110	Timed out after %2 seconds listening for an incoming connection on socket '%1'
7150	Telnet Option %1 is not set
7151	Error in telnet handshake; state=%1,current byte=%2
7152	Timeout attempting telnet initialization handshake

**Table 1–22: General Error Codes - 7200 to 7399**

Error Code	Description
7200	Datatype value '%1' failed IsValidDT validation
7201	Datatype value '%1' length longer than MAXLEN allowed of %2
7202	Datatype value '%1' length less than MINLEN allowed of %2
7203	Datatype value '%1' greater than MAXVAL allowed of %2
7204	Datatype value '%1' less than MINVAL allowed of %2
7205	Datatype value '%1' not in VALUelist '%2'
7206	Datatype value '%1' is not a valid boolean
7207	Datatype value '%1' is not a valid number
7208	Datatype value '%1' is not a valid timestamp format
7209	Datatype value '%1' does not match PATTERN '%2'
7210	Datatype value '%1' contains invalid character/s '%2'
7211	Datatype value '%1' is not a valid duration
7212	Datatype value '%1' is not a valid uniqueidentifier/GUID format
Error Code	Description
7300	Failed to open logfile %1 for output
7301	Backup.General.ExternalFreeze cannot run with switch 10 or 13 already set
7302	Failed to locate TCP information for all cluster members
7303	Failed to switch journal files on other cluster members
7304	Failed to switch journal file. Status = %1
7305	Failed to switch local journal file. Status = %1
7306	System failed to quiesce
7307	Failed to place journal marker
7308	Task %1 does not exist
7309	Backup is currently running
7310	Failed to open task %1
7311	No backup recorded for task %1
7312	Unknown platform in \$zversion(1)
7313	Error building list of log files: %1
7314	Error building list of tasks: %1
7315	Unable to determine base directory from: %1
7316	Unable to create directory for storing the log file: %1
7317	Unable to determine base directory for: %1

Error Code	Description
7318	Unable to create backup output directory: %1
7319	Failed to set up list of databases for backup
7320	Unknown backup type: %1
7321	Database %1 does not exist
7322	CACHETEMP cannot be included in a backup
7323	Error building list of databases: %1
7324	%1 is not part of the current backup list
7325	Failed to start backup job
7326	Failed to initialize IJC Device: %1
7327	BACKUP^DBACK returned failure
7328	Cannot modify a built-in system task
7329	Invalid backup type: %1
7330	Taskname not specified as argument to %New
7331	Taskname must contain only alphanumeric characters
7332	Task already exists
7333	No backup volume specified
7334	Unable to read file, Backup or Restore is in progress
7335	Cannot open backup volume '%1'
7336	This is not a %1 Backup File
7337	Request to suspend Write Daemon cleared

**Table 1–23: General Error Codes - 7400 to 7599**

Error Code	Description
7400	TASKMGR is already running
7401	Unable to open task (%1)
7402	Selected User (%1) is not enabled
7403	Task (%1) is not scheduled to run
7404	Multiple times per day but DailyIncrement is 0
7405	Operation requires %1 to change the task username
7406	User does not exist (RunAsUser %1)
7408	DailyEndTime must be after DailyStartTime
7409	EndDate must be after StartDate
7410	TimePeriodDay must be null or contain values 1 through 7 (%1) is not valid
7411	Output Directory does not exist

Error Code	Description
7412	Filename is not valid
7413	Task Class is required but is null
7414	Task Class (%1) does not exist in %2
7415	Could not find task to delete
7416	Unknown Scheduling problem, New Time = Last Time
7418	Failed to mark task as suspended (SQLCODE=%1)
7419	Failed to mark task as resumed (SQLCODE=%1)
7420	Invalid Suspend Flag (FLAG=%1)
7421	Unable to send mail. The Mail Server is not defined.
7422	Unable to send mail. No email addresses are defined.
7423	Failed to update configuration for (%1) with error %2
7424	Failed to send email (%1)
7425	Unable to delete task, clear all run after references first
7426	At least 1 Run day Monday - Sunday must be selected
7427	Task repeating offset must be a positive integer
7428	Invalid day of the month (%1)
7429	Invalid weekly offset use 1 - 5
7430	Invalid frequency time (DailyFrequencyTime) use 0 or 1
7431	Run After Task value is required
7432	Start Date and Time must be after the current date and time
7450	Task job running
7451	Task job untrapped error (%1)
7452	Task job setup error (%1)
7453	Task job timeout error
7454	Task job post process error (%1)
7460	Must enter a tape device.
7461	Enter a valid number of days
Error Code	Description
7500	SSH %3 Error '%1': %2



**Table 1–24: General Error Codes - 7600 to 7799**

Error Code	Description
7600	Invalid global format to import from
7601	Unknown package format type: %1
7602	Exported on version '%1' but this machine on version '%2' so unable to import
7603	Delimited id's setting on exported version %1 on current system %2 so unable to import
7604	Global node collision with class '%1'
7605	Unable to deploy routine '%1' with no source (as specified by removesource parameter) as there is no OBJ code
7606	Global node already in use '%1'
7607	Original data value at %1=%2 new value %3
7608	New data has %1=%2 but in original global this does not exist
7609	File '%1' does not contain an exported deployment
7610	Signature on code '%1' incorrect so this item is not original released version

Error Code	Description
7700	Invalid manifest specification '%1'
7701	Invalid expression '%1': %2
7702	Invalid special variable '%1'
7703	Parser error parsing '%1' at offset %2: '%3'

**Table 1–25: General Error Codes - 7800 to 7999**

Error Code	Description
7800	Unable to start any worker jobs
7801	Another job is modifying worker numbers
7802	Worker job/s unexpectedly shut down
7803	Job complete queue unexpectedly closed
7804	Lock table full, aborting
7805	Unable to create workers when we already have work being processed
7806	Unable to signal all workers
7807	Not all worker jobs started, was attempting to start '%1'
7808	Can not count worker jobs because unable to get a lock
7809	Unable to create workers in a worker process
7810	Work queue API being called using an invalid queue name '%1' for \$job='%2'
7811	Unable to find classname for '%1' call

Error Code	Description
7812	Work queue unexpectedly removed, shutting down.
7813	Work queue received bad response from worker, shutting down.
7814	Worker jobs not processing any work, so process appears to be stalled, shutting down.
7815	Work queue not initialized, either due to a previous error causing a shutdown, or no call to Initialize before queuing work.
7850	Class '%1' is classtype=system but this does not support any '%2' members
7851	Classtype=system classes can only inherit from other classtype=system classes. Super class path '%1'.
7852	Classtype='%1' is not a valid classtype. Valid values are '%2'.
7853	Classtype=system classes do not support generator methods '%1'.
7854	C++ method '%1' in class '%2' can not support alias methods associated with property '%3'.
7855	C++ method '%1' in class '%2' returntype not supported '%3'.
7856	C++ method '%1' in class '%2' argument type not supported '%3'.

Error Code	Description
7900	Service '%1' not enabled for application '%2'
7901	Second Factor Login Failed for application '%1'
7902	OnApplication callback aborted the application change and the login process
7903	Second Factor cancelled by user
7904	Can not call on class that is not subclass of %ZEN.Mobile.basePage and not mobile enabled '%1'
7905	Invalid method to call on mobile page '%1'
7906	Session event callback prevented session from being created.
7950	The WebSocket Read operation has timed out
7951	The Client has closed the WebSocket

## 1.7 Error Codes 8000 to 8999

**Table 1–26: General Error Codes - 8000 to 8199**

Error Code	Description
8000	Domain %1 already exists
8001	Invalid SortField %1
8002	Global name '%1' is reserved
8003	Failed to process source
8004	Failed to acquire lock on domain %1

Error Code	Description
8005	External Id not found for internal id %1
8006	Configuration %1 does not exist
8007	Failed to initialize DirectInput
8008	Failed to initialize Indexer
8009	Failed to load KB %1
8010	Failed to load LB %1
8011	KB %1 Not Found
8012	%1: Caught Error %2
8013	Lister alias '%1' already in use by class %2 in this namespace
8014	Failed to reset %1 from location %2
8015	Nothing to process
8016	Configuration with id %1 does not exist
8017	Domain name and id do not match
8018	Domain %1 does not exist
8019	Domain %1 is corrupt
8020	Domain %1 must be opened in namespace %2
8021	Domain with id %1 does not exist
8022	Internal datasource error
8023	Failed to delete source %1
8024	Invalid Type: %1
8025	Missing Source Id
8026	Missing Source Field %1 in source %2
8027	Missing Continuation Key in source %1
8028	Missing Crc Field %1 in source %2
8029	Missing Sentence Field %1 in source %2
8030	Missing Relation Frequency in source %2
8031	Missing %1 Attribute in source %2
8032	Search string must be at least %1 characters long
8033	Source not specified
8034	Source does not exist (srcId: %1)
8035	Source does not exist (extId: %1)
8036	No metadata field specified
8037	Metadata field does not exist (field ID: %1)
8038	Metadata field does not exist (field name: %1)

Error Code	Description
8039	Supplied metadata value '%1' not allowed for MD Domain %2
8040	Metadata field '%1' already exists in this domain
8041	Dictionary %1 does not exist
8042	Dictionary item %1 does not exist
8043	Dictionary term %1 does not exist
8044	Dictionary element %1 does not exist
8045	Dictionary item with URI '%1' already exists
8046	Dictionary format class %1 does not exist
8047	Internal error indexing dictionary terms
8048	Metadata operator '%1' not supported for field %2
8049	Metadata LOV %1 does not exist
8050	Failed to convert buffer text to lower case
8051	Failed to create encoding object for %1
8052	Failed to transcode string
8053	Invalid indexer id specified
8054	Unknown language id specified
8055	Invalid object id specified
8056	Failed to open file %1
8057	Cannot index with no KB loaded
8058	Indexer returned a data item larger than the maximum supported
8059	Indexer failed while attempting to return output data
8060	An invalid data processing object was passed to the indexer
8061	Configuration %1 exists
8062	Languages must be in \$list format
8063	Language %1 does not exist
8064	Failed to load library: %1
8065	Unable to instantiate iKnow Engine
8066	Failed to lock iKnow Indexer
8067	Can't open Lister id: %1
8068	Ngram search is not enabled for this domain
8069	Cannot overwrite an existing MD value in batch mode
8070	Supplied metadata value count (%1) does not correspond to key count (%2)
8071	Unable to open Converter id: %1
8072	Unable to open Processor id: %1

Error Code	Description
8073	There are still lists scheduled for a Batch load. Process them first or call Loader.Reset()
8074	Indexer process failed
8075	Failed to create Loader instance
8076	Failed to split External ID: %1
8077	Unknown Lister class or alias: %1
8078	BuildExtIdFromName() should be called for an implementing Lister class, not the abstract one
8079	Match ID does not exist: %1
8080	Configuration ID (%1) and name (%2) do not match
8081	Missing bitstring
8082	Bad \$List in %1
8083	Failed to build: %1
8084	Failed to start any worker processes
8085	Only a single Virtual Source ID is supported for this query
8086	Virtual Source %1 not found in this domain
8087	Dictionary element value is too long: %1
8088	Group with id %1 does not exist
8089	Source with external ID already exists: %1
8090	String too long: %1
8091	BlackList with name '%1' already exists
8092	Dictionary with name '%1' already exists
8093	BlackList with id %1 does not exist
8094	Failed to load the requested iKnow language data. This may be due to an insufficiently large gmheap setting.
8095	Cannot set domain parameter '%1' (either unknown or not user-configurable)
8096	Domain must be empty (no sources or entities) before parameter '%1' can be changed.
8097	iKnow is not available for this license
8098	Illegal result parameter value: %1 (should be either empty for output var or start with ^ for global output)
8099	STORE error while compiling query result. Either decrease page size or use global output.
8100	Gateway Request Failed: %1
8101	Gateway Request Exception: %1
8102	Gateway Request No Data: %1
8103	Gateway Request Timeout: %1

**Table 1–27: General Error Codes - 8200 to 8299**

Error Code	Description
8200	Maximum concept length must be positive.
8201	User has no permissions to write to the database
8202	Missing Lister Parameter at index %1 (%2)
8203	Invalid Lister Parameter at index %1 (%2): "%3"
8204	No Lister registered in this Loader instance. Use Loader.SetLister() first
8205	There is no User Dictionary with name "%1"
8206	There is no User Dictionary with id %1
8207	User Dictionary with name "%1" already exists
8208	Invalid filter spec: "%1"
8209	Missing Relation Dominance in source %1
8210	Missing Proximity Field %1 in source %2
8211	%1 is not a valid Converter class
8212	%1 is not a valid Processor class
8213	Missing Concept Dominance in source %1
8214	Missing %1 Field %2 in source %3
8215	The supplied Matching Profile has not been saved since it was last modified
8216	A Matching Profile named "%1" does not exist in domain %2
8217	No sources can be added to a DeepSee-managed domain other than through DeepSee
8218	A Matching Profile named "%1" already exists
8219	"%1" is not a valid Matching Profile name (no colons allowed)
8220	This feature is only supported for domains in versions %1 or above
8221	This parameter has already been set to '%1' at the system level. Use UnsetSystemParameter() to clear it first
8222	Failed to acquire lock
8223	%1 object is modified, please save first.
8224	Domain parameter '%1' can only be changed at the namespace level if no non-empty domains exist in this namespace.
8225	Cannot change domain parameter '%1' to '%2'. Illegal value.
8226	Metric with ID %1 does not exist
8227	Metric '%1' does not exist
8228	Metric target '%1' with ID %2 does not exist
8229	Metric '%1' does not support target '%2'
8230	Domain %1 is managed by %2 and cannot be updated directly.

Error Code	Description
8231	%1 %2 is managed by %3 and cannot be updated directly.
8232	Internal error in iKnow Engine: %1
8233	At least one of the data structures required to resolve this query is not build or up-to-date. Please review your domain's build flags (%1).
8234	Failed to load iKnow language model. File: %1, Line: %2, '%3'
8235	The "system" domain only supports Virtual Sources
8236	This operation is not supported in the "system" domain
8237	The iKnow engine could not allocate enough memory to process the current document.
8238	Stemming is not enabled for this domain.
8239	iFind search string syntax error: brackets mismatch

**Table 1–28: General Error Codes - 8300 to 8499**

Error Code	Description
8300	No Pattern Argument
8301	ICU Regular Expression Error Number %1 (0x%2)
8310	Internal error in ICU regular expression library
8311	Syntax error in regexp pattern
8312	RegexMatcher in invalid state for requested operation
8313	Unrecognized backslash escape sequence in pattern
8314	Incorrect Unicode property
8315	Use of regexp feature that is not yet implemented
8316	Incorrectly nested parentheses in regexp pattern
8317	Decimal number is too large for ICU library
8318	Error in {min,max} interval
8319	In {min,max}, max is less than min
8320	Back-reference to a non-existent capture group
8321	Invalid value for match mode flags
8322	Look-Behind pattern matches must have a bounded maximum length
8323	Regexps cannot have UnicodeSets containing strings
8324	Octal character constant cannot be greater than 0377
8325	Missing closing bracket on a bracket expression
8326	In a character range [x-y], x is greater than y
8327	Regular expression backtrack stack overflow
8328	Maximum allowed match time exceeded
8329	Matching operation aborted by user callback fn

Error Code	Description
8351	Index, such as group number, is out of bounds
8352	Illegal argument, such as empty string for Pattern

Error Code	Description
8400	No file with GUID '%1'
8401	No file with name '%1'
8402	No file with name '%1' in '%2'
8403	Multiple files with name '%1'
8404	Multiple files with name '%1' in '%2'
8405	No file prior to '%1'
8406	No file prior to '%1' with prefix '%2'

**Table 1–29: General Error Codes - 8500 to 8599**

Error Code	Description
8500	Error: '%1' in Line %2 at offset %3 (%4)
8501	Error: '%1' in Line %2 at offset %3 (%4)

**Table 1–30: General Error Codes - 8600 to 8699**

Error Code	Description
8600	Cannot return application license, session out of scope
8601	Invalid licensed application name
8602	Cannot open license key file '%1'.
8603	Not a valid license key file.
8604	License key has expired.
8605	License key is invalid.
8606	License key invalid for product version.
8607	This system (%1 Cores) exceeds permitted CPU core limit (%2) for Ensemble.
8608	This system (%1 Cores) exceeds permitted CPU core limit (%2) for Cache.
8609	License key platform (%1) invalid for this platform (%2).
8610	License keys are not accepted on a Single User (SU) platform.
8611	Licensed Application (%1), Keyword (%2) value (%3) is not a number.
8612	No license for Application (%1).
8613	Application connection count overflowed for user.



**Table 1–31: General Error Codes - 8700 to 8799**

Error Code	Description
8700	XData Missing - class: %1 name: %2
8701	Dispatch Map Schema Validation Failed

**Table 1–32: General Error Codes - 8800 to 8899**

Error Code	Description
8800	The notification is invalid
8801	The notification protocol '%1' is not supported
8802	The device token is invalid
8803	The APNS connection to %1 timed out after %2s
8804	The push notification attempt failed
8805	The push notification attempt failed: %1
8806	Invalid response from the APNS: %1
8807	Connection to %1:%2 failed
8808	The APNS terminated the connection
8809	Connection to %1 failed
8810	Unexpected HTTP status %1: '%2'
8812	The push notification attempt failed
8813	The push notification attempt failed: %1

## 1.8 Error Codes 9000 to 9999

**Table 1–33: General Error Codes - 9000 to 9099**

Error Code	Description
9000	Class (%1) is not up to date.
9001	Name: (%1) already exists.
9002	Class (%1) is generated.
9003	Class (%1) cannot be opened.
9004	Class (%1), method (%2) cannot be parsed.
9005	Class (%1) is deployed.

**Table 1–34: General Error Codes - 9100 to 9199**

Error Code	Description
9100	Extent size must be a positive number '%1'.

**Table 1–35: General Error Codes - 9200 to 9299**

Error Code	Description
9200	%1
9201	"%1" is not a valid option.
9202	"%1" is not a valid value for ImportTableExists option.
9203	Datatype "%1" is not supported for import columns.
9204	Table %1 already exists.
9205	Cannot acquire lock on table name "%1" in namespace %2.
9206	Syntax error in import table column specification.
9207	Syntax error: do not use keyword "AS" with SQL datatype name "%1".
9208	Datatype parameter "%1" is not supported.
9209	Datatype parameter "%1" is not supported for datatype %2.
9210	Cardinality "%1" is not supported.
9211	Time format %1 is not supported.
9212	Specified inverse relationship name "%1" conflicts with an existing property of class %2.
9213	Must specify inverse relationship name for relationship property %1.
9214	Option "%1" cannot be set at the connection level.
9215	Must connect before creating MapReduceResult.
9216	Must connect before executing command.
9217	Must connect before executing command.
9218	Cannot acquire lock needed to synchronize class %1.
9219	Cannot acquire lock needed to rollback checkpoint for class %1.
9220	No information available about synchronization job with ID %1.

## 1.9 Error Codes 15000 and Higher

**Table 1–36: General Error Codes - 15000 to 16000**

Error Code	Description
15414	The type of the index key property, '%3' in class '%1', index '%2', is not a serial type.
15511	SQL Map '%1' is conditional but condition is null.
15555	Incorrect string format in class %1, '%2' = %3.

**Table 1–37: General Error Codes - 16000 to 17000**

Error Code	Description
16000	Line: '%1' Offset: '%2'.
16001	Couldn't open document '%1'.
16002	Invalid JSON Content.
16003	HTTP POST has not content.
16004	Unknown request type '%1'.
16005	Document '%1' does NOT exist.
16006	Document '%1' name is invalid.
16007	Couldn't parse debugger command '%1'.

## 1.10 Non-Numeric Error Codes

**Table 1–38: Miscellaneous Error Codes**

Error Code	Description
DisplayStringLoaderError	DisplayStringLoader error '%1'
DisplayStringLoaderException	DisplayStringLoader exception '%1'
DomainOrFilesEmpty	The Domain or Files parameter(s) must not be empty
ERROR	ERROR
ErrDisplayStringNotFound	DisplayString undefined for Id='%1', domain='%2', language='%3'
ErrNoSaveMasterStrings	Failed to save XData MasterStrings for MasterLanguage '%1' to file %2
MasterStringsNewer	%1 XData MasterStrings are newer than strings in %2 - first difference = %3
MasterStringsOlder	%1 Strings in %2 are newer than XData MasterStrings - first difference = %3

Error Code	Description
MessageDomainNotFound	The domain specified in the domain parameter was not found in any message file
NoStatusCode	(no error description)
OK	OK
STATUS	STATUS
UnknownStatusCode	Unknown status code:
WARNING	WARNING
XMLImportLocation	(ending at line %1 character %2)

# 2

## SQL Error Messages

The table below lists the SQL numeric error codes and their error messages. These codes are returned as the [SQLCODE variable](#) value.

**Note:** While this document lists error codes as negative values, JDBC and ODBC clients always receive positive values. For example, if an ODBC or JDBC application returns error code 30, look up error code -30 in this table.

### 2.1 SQLCODE 0 and 100

There are two SQLCODE values that do not represent an SQL error:

**Table 2–1: SQL Error Codes 0 and 100**

Error Code	Description
0	Successful Completion
100	No (more) data

- SQLCODE=0 indicates successful completion of an SQL operation. For a **SELECT** statement, this usually means the successful retrieval of data from a table. However, if the **SELECT** performs an [aggregate operation](#), (for example: `SELECT SUM(myfield)`) the aggregate operation is successful and an SQLCODE=0 is issued even when there is no data in *myfield*; in this case **SUM** returns NULL and %ROWCOUNT=1.
- SQLCODE=100 indicates that the SQL operation was successful, but found no data to act upon. This can occur for a number of reasons. For a **SELECT** these include: the specified table contains no data; the table contains no data that satisfies the query criteria; or row retrieval has reached the final row of the table. For an **UPDATE** or **DELETE** these include: the specified table contains no data; or the table contains no row of data that satisfies the **WHERE** clause criteria. In these cases %ROWCOUNT=0.

### 2.2 SQLCODE -400

The SQLCODE -400 error “Fatal error occurred” is a general error. It is generated when a more specific SQLCODE error code is not available.

## 2.3 Retrieving SQL Message Texts

To determine the meaning of an SQLCODE numeric code, use the following ObjectScript statement:

### ObjectScript

```
WRITE "SQLCODE=" , $SYSTEM.SQL.SQLCODE( -nnn)
```

This **SQLCODE()** method can also be called as a stored procedure from ODBC or JDBC: %SYSTEM.SQL\_SQLCODE(-nnn).

When possible (usually at SQL compile time), error messages include the name of the field, table, view, or other element that caused the error. Placeholders for these names are shown using the <name> syntax convention.

The **%msg** variable may contain an additional message error text for certain errors. For further details, refer to [System Variables](#) in the “Using Embedded SQL” chapter of *Using Caché SQL*.

The message texts returned are shown below in their English versions. The actual message text returned depends upon your locale setting.

For information on generating [ObjectScript general errors](#) from SQLCODE errors, refer to the %SYSTEM.Error class in the *InterSystems Class Reference*.

## 2.4 Table of SQL Error Codes and Messages

For ease of use, the SQL Error Codes Table has been divided into the following sub-tables:

- [Error Codes 0 and 100](#)
- [Error Codes -1 to -99](#)
- [Error Codes -101 to -399](#)
- [Error Codes -400 to -500](#)
- [WinSock Error Codes -10050 to -11002](#)

**Table 2–2: SQL Error Codes -1 to -99**

Error Code	Description
-1	Invalid SQL statement
-2	Exponent digits missing after 'E'
-3	Closing quote (") missing
-4	A term expected, beginning with one of the following: identifier, constant, aggregate, %ALPHAUP, %EXACT, %MVR, %SQLSTRING, %SQLUPPER, %STRING, %UPPER, \$\$, :, +, -, (, NOT, EXISTS, or FOR
-5	Column number specified in ORDER does not match SELECT list
-6	ORDER BY column after UNION not found as SELECT column
-7	Exponent out of range
-8	Invalid DATEPART code for DATEPART(), DATENAME(), DATEADD(), or DATEDIFF()

Error Code	Description
-9	Incompatible SELECT lists used in UNION
-10	The SELECT list of the subquery must have exactly one item
-11	A scalar expression expected, not a condition
-12	A term expected, beginning with one of the following: identifier, constant, aggregate, \$\$, :, (, +, -, %ALPHAUP, %EXACT, %MVR, %SQLSTRING, %SQLUPPER, %STRING, or %UPPER
-13	An expression other than a subquery expected here
-14	A comparison operator is required here
-15	A condition expected after NOT
-16	Quantifier SOME expected after the FOR in the for-expression
-17	A for-condition expected after the ( in the for-expression
-18	IS (or IS NOT) NULL predicate can be applied only to a field
-19	An aggregate function cannot be used in a WHERE or GROUP BY clause
-20	Name conflict in the FROM list over label
-21	Pointer->Field reference may not be modified by an INSERT or UPDATE statement
-22	ORDER must specify column names, not numbers, when after 'SELECT *'
-23	Label is not listed among the applicable tables
-24	Ambiguous sort column
-25	Input encountered after end of query
-26	Missing FROM clause
-27	Field is ambiguous among the applicable tables
-28	Host variable name must begin with either % or a letter
-29	Field not found in the applicable tables
-30	Table or view not found
-31	Field not (found/unique) in table(s)
-32	Outer-join symbol ( =* or *= ) must be between two fields
-33	No field(s) found for table
-34	Optimizer failed to find a usable join order
-35	INSERT/UPDATE/DELETE not allowed for non-updateable view
-36	WITH CHECK OPTION (CHECKOPTION class parameter) not allowed for non-updateable views
-37	SQL Scalar/Aggregate/Unary function not supported for Stream fields
-38	No master map for table
-39	No RowID field for table
-40	ODBC escape extension not supported

Error Code	Description
-41	An extrinsic function call must have the form '\$\$tag^routine(...)'
-42	Closing quotes (") missing following pattern match
-43	Table is ambiguous within #IMPORT schema name list
-44	Duplicate method or query characteristic
-45	Duplicate method in ObjectScript query body
-46	Required method missing in ObjectScript query body
-47	Invalid method or query characteristic
-48	Invalid trigger REFERENCING clause for the trigger's event
-49	Trigger REFERENCING clause cannot be specified when trigger language not SQL
-50	Trigger specifies UPDATE OF <fieldlist> clause when trigger language not SQL
-51	SQL statement expected
-52	Cursor (Already/Was Not) DECLARED
-53	Constant or variable expected as new value
-54	Array designator (last subscript omitted) expected after VALUES
-55	Invalid GRANT <role> TO or REVOKE <role> FROM
-56	GRANT/REVOKE Action not applicable to an object of this type
-57	Trigger specifies WHEN clause when trigger language not SQL
-58	Duplicate field found in trigger UPDATE OF <fieldlist> clause
-59	Cannot have more than one field
-60	An action (%ALTER, SELECT, UPDATE, etc.) expected
-61	Cursor not updateable
-62	Additional new values expected for INSERT/UPDATE
-63	Data exception - invalid escape character
-64	Incompatible SELECT list is used in INSERT
-65	Positive integer constant or variable expected
-66	Redundant fields found in SELECT list
-67	Implicit join (arrow syntax) not supported in ON clause
-68	Legacy outer join (=*, *=) not supported in ON clause
-69	SET <field> = <value expression> not allowed with WHERE CURRENT OF <cursor>
-70	Multi-Line field only valid for LIKE, Contains (I), or NULL Comparison.
-71	Multi-Line field must be the left operand of the Comparison.
-72	Multi-Line field not valid in ORDER BY clause
-73	Aggregates not supported in ORDER BY clause
-74	Duplicate <select-list> alias names found



Error Code	Description
-75	<trim_spec> and/or <trim_char> required before FROM in TRIM function.
-76	Cardinality mismatch between the SELECT-list and INTO-list.
-77	Qualified column reference not allowed in this JOIN context.
-78	Invalid transaction state.
-79	Referencing key and referenced key must be the same size
-80	Integer expected
-81	Column Constraint expected
-82	Multiple table %DESCRIPTION definitions found
-83	Multiple table %FILE definitions found
-84	Multiple table %NUMROWS definitions found
-85	Multiple table %ROUTINE definitions found
-86	Invalid field definition, no datatype defined
-87	Invalid table name
-88	Invalid field name
-89	Invalid index name
-90	Invalid view name
-91	Transaction mode cannot be specified more than once
-92	Level of isolation cannot be READ UNCOMMITTED or READ VERIFIED if READ WRITE specified
-93	number of conditions for the DIAGNOSTICS SIZE must be exact numeric
-94	Unsupported usage of OUTER JOIN
-95	Operation disallowed by operation table
-96	Specified level of isolation is not supported
-97	Duplicate select-list names found.
-98	License violation
-99	Privilege violation

**Table 2–3: SQL Error Codes -101 to -399**

Error Code	Description
-101	Attempt to open a cursor that is already open
-102	Operation (FETCH/CLOSE/UPDATE/DELETE/...) attempted on an unopened cursor
-103	Positioned UPDATE or DELETE attempted, but the cursor is not positioned on any row
-104	Field validation failed in INSERT, or value failed to convert in DisplayToLogical or OdbcToLogical
-105	Field validation failed in UPDATE

Error Code	Description
-106	Row to DELETE not found
-107	Cannot UPDATE RowID or RowID based on fields
-108	Required field missing; INSERT or UPDATE not allowed
-109	Cannot find the row designated for UPDATE
-110	Locking conflict in filing
-111	Cannot INSERT into a 'Default Only' RowID or RowID based on field
-112	Access violation
-113	%THRESHOLD violation
-114	One or more matching rows is locked by another user
-115	Cannot INSERT/UPDATE/DELETE on a read only table
-116	Cardinality mismatch on INSERT/UPDATE between values list and number of table columns.
-117	Aggregates not supported in views
-118	Unknown or non-unique User or Role
-119	UNIQUE or PRIMARY KEY constraint failed uniqueness check upon INSERT
-120	UNIQUE or PRIMARY KEY constraint failed uniqueness check upon UPDATE
-121	FOREIGN KEY constraint failed referential check upon INSERT of row in referencing table
-122	FOREIGN KEY constraint failed referential check upon UPDATE of row in referencing table
-123	FOREIGN KEY constraint failed referential check upon UPDATE of row in referenced table
-124	FOREIGN KEY constraint failed referential check upon DELETE of row in referenced table
-125	UNIQUE or PRIMARY KEY Constraint failed uniqueness check upon creation of the constraint
-126	REVOKE with RESTRICT failed.
-127	FOREIGN KEY Constraint failed referential check upon creation of the constraint
-128	Argument to scalar function %OBJECT() must be a stream field
-129	Illegal value for SET OPTION locale property
-130	Before Insert trigger failed
-131	After Insert trigger failed
-132	Before Update trigger failed
-133	After Update trigger failed
-134	Before Delete trigger failed
-135	After Delete trigger failed

Error Code	Description
-136	View's WITH CHECK OPTION validation failed in INSERT
-137	View's WITH CHECK OPTION validation failed in UPDATE
-138	Cannot INSERT/UPDATE a value for a read only field
-139	Concurrency failure on update: row versions not the same
-140	Invalid length parameter passed to the SUBSTRING function
-141	Invalid input value passed to the CONVERT function
-142	Cardinality mismatch between the view-column-list and view query's SELECT clause
-143	ORDER BY not valid in a view's query
-144	A subquery is not allowed in an insert statement's set/values clause
-145	SQLPREVENTFULLSCAN class parameter is 1 for this table. Query that performs full scan of data map is not allowed
-146	Unable to convert date input to a valid logical date value
-147	Unable to convert time input to a valid logical time value
-148	CREATE VIEW, ALTER VIEW, or a view's query may not contain host variable references
-149	SQL Function encountered an error
-150	Optimistic concurrency locking for a class definition failed
-151	Index is not found within tables used by this statement
-152	Index is ambiguous within tables used by this statement
-161	References to an SQL connection must constitute a whole subquery
-162	SQL Connection is not defined
-201	Table or view name not unique
-220	Gateway query error
-221	Gateway query GetConnection() failed
-222	Gateway query AllocStatement() failed
-223	Gateway query Prepare() failed
-225	Gateway query BindParameters() failed
-226	Gateway query Execute() failed
-227	Gateway query Fetch() failed
-228	Gateway query GetData() failed
-241	Parallel query queue error
-242	Parallel query run-time error
-300	DDL not allowed on this table definition
-301	No Savepoint name

Error Code	Description
-302	Savepoint names starting with "SYS" are reserved
-303	No implicit conversion of Stream value to non-Stream field in UPDATE assignment is supported
-304	Attempt to add a NOT NULL field with no default value to a table which contains data
-305	Attempt to make field required when the table has one or more rows where the column value is NULL
-306	Column with this name already exists
-307	Primary key already defined for this table
-308	Identity column already defined for this table
-309	The left operand of %CONTAINS is not a property that supports the %Text interface
-310	Foreign key references non-existent table
-311	Foreign key with same name already defined for this table
-312	Invalid schema name. Must use delimited identifiers to reference this schema name
-313	Condition expression not supported for Stream fields
-314	Foreign key references non-unique key/column collection
-315	Constraint or Key not found
-316	Foreign key references non-existent key/column collection
-317	Cannot DROP Constraint - One or more Foreign Key constraints reference this Unique constraint
-319	Referenced table has no primary key defined
-320	Cannot DROP table - One or more Foreign Key constraints reference this table
-321	Cannot DROP view - One or more views reference this view
-322	Cannot DROP column — column is defined on one or more indexes or constraints
-324	Index with this name already defined for this table
-325	Index cannot be dropped because it is the IDKEY index and the table has data
-333	No such index defined
-334	Index name is ambiguous. Index found in multiple tables.
-340	No such database (namespace) defined
-341	Database file already exists
-342	Cannot delete system namespace
-343	Invalid database name
-344	Cannot drop database that you are currently using or connected to
-350	An unexpected error occurred executing SqlComputeCode
-356	SQL Function (function stored procedure) is not defined to return a value
-357	SQL Function (function stored procedure) is not defined as a function procedure

Error Code	Description
-358	SQL Function (function stored procedure) name not unique
-359	SQL Function (function stored procedure) not found
-360	Class not found
-361	Method or Query name not unique
-362	Method or Query not found
-363	Trigger not found
-364	Trigger with same EVENT, TIME, and ORDER already defined
-365	Trigger name not unique
-366	Schema name mismatch between trigger name and table name
-370	SQL CALL, more arguments specified than defined in the stored procedure
-371	:HVar = CALL ... Specified for a procedure which does not return a value
-372	Support for extrinsic function calls are disabled
-373	An extrinsic function call may not call a % routine
-374	Cannot alter the datatype of a field to/from a stream type when the table contains data
-375	Cannot ROLLBACK to unestablished savepoint
-376	Unsupported CAST target specified
-377	Field appears more than once in assignment list of insert or update statement
-378	Datatype mismatch, explicit CAST is required
-380	Invalid or Missing argument to scalar function
-381	Too many arguments to scalar function

**Table 2–4: SQL Error Codes -400 to -500**

Error Code	Description
-400	Fatal error occurred
-401	Fatal Connection error
-402	Invalid Username/Password
-405	Unable to read from communication device
-406	Unable to Write to Server
-407	Unable to Write to Server Master
-408	Unable to start server
-409	Invalid server function
-410	Invalid Directory
-411	No stream object defined for field
-412	General stream error

Error Code	Description
-413	Incompatible client/server protocol
-415	Fatal error occurred within the SQL filer
-416	CacheInfo Error
-417	Security Error
-422	SELECT request processed via ODBC, JDBC, or Dynamic SQL cannot contain an INTO clause
-425	Error processing stored procedure request
-426	Error preparing stored procedure
-427	Invalid stored procedure name
-428	Stored procedure not found
-429	Invalid number of input/output parameters for stored procedure
-430	Cannot initialize procedure context
-431	Stored procedure parameter type mismatch
-432	Function returned multiple rows when only a single value is expected
-450	Request timed out due to user timeout
-451	Unable to receive server message
-452	Message sequencing error
-453	Error in user initialization code
-454	Error sending external interrupt request
-459	Kerberos authentication failure
-460	General error
-461	Communication link failure
-462	Memory allocation failure
-463	Invalid column number
-464	Function sequence error
-465	Invalid string or buffer length
-466	Invalid parameter number
-467	Column type out of range
-468	Fetch type out of range
-469	Driver not capable
-470	Option value changed
-471	Duplicate cursor name
-472	A collection-valued property was expected
-478	Query recompiled: Result Set mismatch

Error Code	Description
-500	Fetch row count limit reached

**Table 2–5: WinSock Error Codes -10050 to -11002**

Error Code	Description
-10050	WinSock: Network is down
-10051	WinSock: Network is unreachable
-10052	WinSock: Net dropped connection or reset
-10054	WinSock: Connection reset by peer (due to timeout or reboot)
-10055	WinSock: No buffer space available
-10056	WinSock: Socket is already connected
-10057	WinSock: Socket is not connected
-10058	WinSock: Cannot send after socket shutdown
-10060	WinSock: Connection timed out
-10061	WinSock: Connection refused
-10064	WinSock: Host is down
-10065	WinSock: No route to host
-10070	WinSock: Stale NFS file handle
-10091	WinSock: Network subsystem is unavailable
-10092	WinSock: WINSOCK DLL version out of range
-10093	WinSock: Successful WSASTARTUP not yet performed
-11001	WinSock: Host not found
-11002	WinSock: Nonauthoritative host not found





# 3

## TSQL Error Messages

This section contains the TSQL error messages.

**Table 3–1: TSQL Error Codes - 0 to 99**

Error Code	Description
1	Version date of last upgrade: 10/11/90
21	Warning: Fatal error %d occurred at %S_DATE. Note the error and time, and contact your system administrator.

**Table 3–2: TSQL Error Codes - 100 to 199**

Error Code	Description
102	Incorrect syntax near '%.*ls'.
103	The %S_MSG that starts with '%.*ls' is too long. Maximum length is %d.
104	ORDER BY items must appear in the select list if the statement contains a UNION operator.
105	Unclosed quotation mark before the character string '%.*ls'.
106	Too many table names in the query. The maximum allowable is %d.
107	The column prefix '%.*ls' does not match with a table name or alias name used in the query.
108	The ORDER BY position number %ld is out of range of the number of items in the select list.
109	There are more columns in the INSERT statement than values specified in the VALUES clause. The number of values in the VALUES clause must match the number of columns specified in the INSERT statement.
110	There are fewer columns in the INSERT statement than values specified in the VALUES clause. The number of values in the VALUES clause must match the number of columns specified in the INSERT statement.
111	'%ls' must be the first statement in a query batch.
112	Variables are not allowed in the %ls statement.
113	Missing end comment mark '*/'.

Error Code	Description
114	Browse mode is invalid for a statement that assigns values to a variable.
116	Only one expression can be specified in the select list when the subquery is not introduced with EXISTS.
117	The %S_MSG name '%.*Is' contains more than the maximum number of prefixes. The maximum is %d.
118	Only members of the sysadmin role can specify the %Is option for the %Is statement.
119	Must pass parameter number %d and subsequent parameters as '@name = value'. After the form '@name = value' has been used, all subsequent parameters must be passed in the form '@name = value'.
120	The select list for the INSERT statement contains fewer items than the insert list. The number of SELECT values must match the number of INSERT columns.
121	The select list for the INSERT statement contains more items than the insert list. The number of SELECT values must match the number of INSERT columns.
122	The %Is option is allowed only with %Is syntax.
123	Batch/procedure exceeds maximum length of %d characters.
124	CREATE PROCEDURE contains no statements.
125	Case expressions may only be nested to level %d.
128	The name '%.*Is' is not permitted in this context. Only constants, expressions, or variables allowed here. Column names are not permitted.
129	Fillfactor %d is not a valid percentage; fillfactor must be between 1 and 100.
130	Cannot perform an aggregate function on an expression containing an aggregate or a subquery.
131	The size (%d) given to the %S_MSG '%.*Is' exceeds the maximum allowed for any data type (%d).
132	The label '%.*Is' has already been declared. Label names must be unique within a query batch or stored procedure.
133	A GOTO statement references the label '%.*Is' but the label has not been declared.
134	The variable name '%.*Is' has already been declared. Variable names must be unique within a query batch or stored procedure.
135	Cannot use a BREAK statement outside the scope of a WHILE statement.
136	Cannot use a CONTINUE statement outside the scope of a WHILE statement.
137	Must declare the variable '%.*Is'.
138	Correlation clause in a subquery not permitted.
139	Cannot assign a default value to a local variable.
140	Can only use IF UPDATE within a CREATE TRIGGER statement.
141	A SELECT statement that assigns a value to a variable must not be combined with data-retrieval operations.

Error Code	Description
142	Incorrect syntax for definition of the '%ls' constraint.
143	A COMPUTE BY item was not found in the order by list. All expressions in the compute by list must also be present in the order by list.
144	Cannot use an aggregate or a subquery in an expression used for the group by list of a GROUP BY clause.
145	ORDER BY items must appear in the select list if SELECT DISTINCT is specified.
146	Could not allocate ancillary table for a subquery. Maximum number of tables in a query (%d) exceeded.
147	An aggregate may not appear in the WHERE clause unless it is in a subquery contained in a HAVING clause or a select list, and the column being aggregated is an outer reference.
148	Incorrect time syntax in time string '%.*ls' used with WAITFOR.
149	Time value '%.*ls' used with WAITFOR is not a valid value. Check date/time syntax.
150	Both terms of an outer join must contain columns.
151	'%.*ls' is an invalid money value.
153	Invalid usage of the option '%.*ls' in the %ls statement.
154	%S_MSG is not allowed in %S_MSG.
155	'%.*ls' is not a recognized %ls option.
156	Incorrect syntax near the keyword '%.*ls'.
157	An aggregate may not appear in the set list of an UPDATE statement.
159	For DROP INDEX, you must give both the table and the index name, in the form tablename.indexname.
160	Rule does not contain a variable.
161	Rule contains more than one variable.
163	The compute by list does not match the order by list.
164	GROUP BY expressions must refer to column names that appear in the select list.
165	Privilege %ls may not be granted or revoked.
166	'%ls' does not allow specifying the database name as a prefix to the object name.
167	Cannot create a trigger on a temporary object.
168	The %S_MSG '%.*ls' is out of the range of computer representation (%d bytes).
169	A column has been specified more than once in the order by list. Columns in the order by list must be unique.
170	Line %d: Incorrect syntax near '%.*ls'.
171	Cannot use SELECT INTO in browse mode.
172	Cannot use HOLDLOCK in browse mode.

Error Code	Description
173	The definition for column '%.*Is' must include a data type.
174	The %Is function requires %d arguments.
177	The IDENTITY function can only be used when the SELECT statement has an INTO clause.
178	A RETURN statement with a return value cannot be used in this context.
179	Cannot use the OUTPUT option when passing a constant to a stored procedure.
180	There are too many parameters in this %Is statement. The maximum number is %d.
181	Cannot use the OUTPUT option in a DECLARE statement.
182	Table and column names must be supplied for the READTEXT or WRITETEXT utility.
183	The scale (%d) for column '%.*Is' must be within the range %d to %d.
185	Data stream is invalid for WRITETEXT statement in bulk form.
186	Data stream missing from WRITETEXT statement.
188	Cannot specify a log device in a CREATE DATABASE statement without also specifying at least one non-log device.
189	The %Is function requires %d to %d arguments.
191	Some part of your SQL statement is nested too deeply. Rewrite the query or break it up into smaller queries.
192	The scale must be less than or equal to the precision.
193	The object or column name starting with '%.*Is' is too long. The maximum length is %d characters.
194	A SELECT INTO statement cannot contain a SELECT statement that assigns values to a variable.
195	'%.*Is' is not a recognized %S_MSG.
196	SELECT INTO must be the first query in an SQL statement containing a UNION operator.
197	EXECUTE cannot be used as a source when inserting into a table variable.
198	Browse mode is invalid for statements containing a UNION operator.
199	An INSERT statement cannot contain a SELECT statement that assigns values to a variable.

**Table 3–3: TSQL Error Codes - 200 to 299**

Error Code	Description
201	Procedure '%.*Is' expects parameter '%.*Is', which was not supplied.
202	Invalid type '%s' for WAITFOR. Supported data types are CHAR/VARCHAR, NCHAR/NVARCHAR, and DATETIME. WAITFOR DELAY supports the INT and SMALLINT data types.

Error Code	Description
203	The name '%.*ls' is not a valid identifier.
204	Normalization error in node %ls.
205	All queries in an SQL statement containing a UNION operator must have an equal number of expressions in their target lists.
206	Operand type clash: %ls is incompatible with %ls
207	Invalid column name '%.*ls'.
208	Invalid object name '%.*ls'.
209	Ambiguous column name '%.*ls'.
210	Syntax error converting datetime from binary/varbinary string.
212	Expression result length exceeds the maximum. %d max, %d found.
213	Insert Error: Column name or number of supplied values does not match table definition.
214	Procedure expects parameter '%ls' of type '%ls'.
217	Maximum stored procedure, function, trigger, or view nesting level exceeded (limit %d).
220	Arithmetic overflow error for data type %ls, value = %ld.
221	FIPS Warning: Implicit conversion from %ls to %ls.
223	Object ID %ld specified as a default for table ID %ld, column ID %d is missing or not of type default.
224	Object ID %ld specified as a rule for table ID %ld, column ID %d is missing or not of type default.
226	%ls statement not allowed within multi-statement transaction.
229	%ls permission denied on object '%.*ls', database '%.*ls', owner '%.*ls'.
230	%ls permission denied on column '%.*ls' of object '%.*ls', database '%.*ls', owner '%.*ls'.
231	No such default. ID = %ld, database ID = %d.
232	Arithmetic overflow error for type %ls, value = %f.
233	The column '%.*ls' in table '%.*ls' cannot be null.
234	There is insufficient result space to convert a money value to %ls.
235	Cannot convert a char value to money. The char value has incorrect syntax.
236	The conversion from char data type to money resulted in a money overflow error.
237	There is insufficient result space to convert a money value to %ls.
238	There is insufficient result space to convert the %ls value (= %d) to the money data type.
241	Syntax error converting datetime from character string.

Error Code	Description
242	The conversion of a char data type to a datetime data type resulted in an out-of-range datetime value.
243	Type '%. *Is' is not a defined system type.
244	The conversion of the %Is value '%. *Is' overflowed an %hs column. Use a larger integer column.
245	Syntax error converting the %Is value '%. *Is' to a column of data type %Is.
248	The conversion of the %Is value '%. *Is' overflowed an int column. Maximum integer value exceeded.
251	Could not allocate ancillary table for query optimization. Maximum number of tables in a query (%d) exceeded.
256	The data type %Is is invalid for the %Is function. Allowed types are: char/varchar, nchar/nvarchar, and binary/varbinary.
257	Implicit conversion from data type %Is to %Is is not allowed. Use the CONVERT function to run this query.
259	Ad hoc updates to system catalogs are not enabled. The system administrator must reconfigure SQL Server to allow this.
260	Disallowed implicit conversion from data type %Is to data type %Is, table '%. *Is', column '%. *Is'. Use the CONVERT function to run this query.
261	'%. *Is' is not a recognized function.
262	%Is permission denied in database '%. *Is'.
263	Must specify table to select from.
264	Column name '%. *Is' appears more than once in the result column list.
266	Transaction count after EXECUTE indicates that a COMMIT or ROLLBACK TRANSACTION statement is missing. Previous count = %ld, current count = %ld.
267	Object '%. *Is' cannot be found.
268	Cannot run SELECT INTO in this database. The database owner must run sp_dboption to enable this option.
270	Object '%. *Is' cannot be modified.
271	Column '%. *Is' cannot be modified because it is a computed column.
272	Cannot update a timestamp column.
273	Cannot insert a non-null value into a timestamp column. Use INSERT with a column list or with a default of NULL for the timestamp column.
278	The text, ntext, and image data types cannot be used in a GROUP BY clause.
279	The text, ntext, and image data types are invalid in this subquery or aggregate expression.
280	Only text, ntext, and image columns are valid with the TEXTPTR function.
281	%d is not a valid style number when converting from %Is to a character string.

Error Code	Description
282	The '%. *Is' procedure attempted to return a status of NULL, which is not allowed. A status of 0 will be returned instead.
283	READTEXT cannot be used on inserted or deleted tables within an INSTEAD OF trigger.
284	Rules cannot be bound to text, ntext, or image data types.
285	The READTEXT, WRITETEXT, and UPDATETEXT statements cannot be used with views or functions.
286	The logical tables INSERTED and DELETED cannot be updated.
287	The %Is statement is not allowed within a trigger.
288	The PATINDEX function operates on char, nchar, varchar, nvarchar, text, and ntext data types only.
291	CAST or CONVERT: invalid attributes specified for type '%. *Is'
292	There is insufficient result space to convert a smallmoney value to %Is.
293	Cannot convert char value to smallmoney. The char value has incorrect syntax.
294	The conversion from char data type to smallmoney data type resulted in a smallmoney overflow error.
295	Syntax error converting character string to smalldatetime data type.
296	The conversion of char data type to smalldatetime data type resulted in an out-of-range smalldatetime value.
298	The conversion from datetime data type to smalldatetime data type resulted in a smalldatetime overflow error.
299	The DATEADD function was called with bad type %Is.

**Table 3–4: TSQL Error Codes - 300 to 399**

Error Code	Description
301	Query contains an outer-join request that is not permitted.
303	The table '%. *Is' is an inner member of an outer-join clause. This is not allowed if the table also participates in a regular join clause.
306	The text, ntext, and image data types cannot be compared or sorted, except when using IS NULL or LIKE operator.
307	Index ID %d on table '%. *Is' (specified in the FROM clause) does not exist.
308	Index '%. *Is' on table '%. *Is' (specified in the FROM clause) does not exist.
311	Cannot use text, ntext, or image columns in the 'inserted' and 'deleted' tables.
312	Cannot reference text, ntext, or image columns in a filter stored procedure.
313	An insufficient number of arguments were supplied for the procedure or function '%. *Is'.
314	Cannot use GROUP BY ALL with the special tables INSERTED or DELETED.

**Table 3–5: TSQL Error Codes - 400 to 499**

Error Code	Description
401	Unimplemented statement or expression %ls.
403	Invalid operator for data type. Operator equals %ls, type equals %ls.
409	The %ls operation cannot take a %ls data type as an argument.
410	COMPUTE clause #%d 'BY' expression #%d is not in the order by list.
411	COMPUTE clause #%d, aggregate expression #%d is not in the select list.
420	The text, ntext, and image data types cannot be used in an ORDER BY clause.
425	Data type %ls of receiving variable is not equal to the data type %ls of column '%.*ls'.
426	The length %d of the receiving variable is less than the length %d of the column '%.*ls'.
427	Could not load sysprocedures entries for constraint ID %d in database ID %d.
428	Could not find row in sysconstraints for constraint ID %d in database ID %d.
429	Could not find new constraint ID %d in sysconstraints, database ID %d, at compile time.
430	Could not resolve table name for object ID %d, database ID %d, when compiling foreign key.
431	Could not bind foreign key constraint. Too many tables involved in the query.
433	Could not find CHECK constraint for '%.*ls', although the table is flagged as having one.
436	Could not open referenced table ID %d in database ID %d.
437	Could not resolve the referenced column name in table ID %d.
438	Could not resolve the referencing column name in table ID %d.
439	Could not find FOREIGN KEY constraints for table '%.*ls' in database ID %d although the table is flagged as having them.
441	Cannot use the '%ls' function on a remote data source.
443	Invalid use of '%s' within a function.
444	Select statements included within a function cannot return data to a client.
445	COLLATE clause cannot be used on expressions containing a COLLATE clause.
446	Cannot resolve collation conflict for %ls operation.
447	Expression type %ls is invalid for COLLATE clause.
448	Invalid collation '%.*ls'.
449	Collation conflict caused by collate clauses with different collation '%.*ls' and '%.*ls'.
450	Code page translations are not supported for the text data type. From: %d To: %d.



Error Code	Description
451	Cannot resolve collation conflict for column %d in %ls statement.
452	COLLATE clause cannot be used on user-defined data types.
453	Collation '%.*ls' is supported on Unicode data types only and cannot be set at the database or server level.
455	The last statement included within a function must be a return statement.
456	Implicit conversion of %ls value to %ls cannot be performed because the resulting collation is unresolved due to collation conflict.
457	Implicit conversion of %ls value to %ls cannot be performed because the collation of the value is unresolved due to a collation conflict.

**Table 3–6: TSQL Error Codes - 500 to 599**

Error Code	Description
502	The SQL Debugging Interface (SDI) requires that SQL Server, when started as a service, must not log on as System Account. Reset to log on as user account using Control Panel.
503	Unable to send symbol information to debugger on %ls for connection %d. Debugging disabled.
504	Unable to connect to debugger on %ls (Error = 0x%08x). Ensure that client-side components, such as SQLDBREG.EXE, are installed and registered on %.*ls. Debugging disabled for connection %d.
505	Current user account was invoked with SETUSER. Changing databases is not allowed.
506	Invalid escape character '%.*ls' was specified in a LIKE predicate.
507	Invalid argument for SET ROWCOUNT. Must be a non-null non-negative integer.
508	Unable to connect to debugger on %ls (Error = 0x%08x). Ensure that client-side components, such as SQLLE.DLL, are installed and registered on %.*ls. Debugging disabled for connection %d.
509	User name '%.*ls' not found.
510	Cannot create a worktable row larger than allowable maximum. Resubmit your query with the ROBUST PLAN hint.
511	Cannot create a row of size %d which is greater than the allowable maximum of %d.
512	Subquery returned more than 1 value. This is not permitted when the subquery follows =, !=, <, <=, >, >= or when the subquery is used as an expression.
513	A column insert or update conflicts with a rule imposed by a previous CREATE RULE statement. The statement was terminated. The conflict occurred in database '%.*ls', table '%.*ls', column '%.*ls'.
514	Unable to communicate with debugger on %ls (Error = 0x%08x). Debugging disabled for connection %d.

Error Code	Description
515	Cannot insert the value NULL into column '%.*ls', table '%.*ls'; column does not allow nulls. %ls fails.
516	Attempt to initialize OLE library failed. Check for correct versions of OLE DLLs on this machine.
517	Adding a value to a '%ls' column caused overflow.
518	Cannot convert data type %ls to %ls.
520	SQL Server no longer supports version %d of the SQL Debugging Interface (SDI).
528	System error detected during attempt to use the 'upsleep' system function.
529	Explicit conversion from data type %ls to %ls is not allowed.
532	The timestamp (changed to %S_TS) shows that the row has been updated by another user.
535	Difference of two datetime columns caused overflow at runtime.
536	Invalid length parameter passed to the substring function.
538	Cannot find '%.*ls'. This language may have been dropped. Contact your system administrator.
542	An invalid datetime value was encountered. Value exceeds the year 9999.
544	Cannot insert explicit value for identity column in table '%.*ls' when IDENTITY_INSERT is set to OFF.
545	Explicit value must be specified for identity column in table '%.*ls' when IDENTITY_INSERT is set to ON.
547	%ls statement conflicted with %ls %ls constraint '%.*ls'. The conflict occurred in database '%.*ls', table '%.*ls'%ls%.*ls%ls.
548	The identity range managed by replication is full and must be updated by a replication agent. The %ls conflict occurred in database '%.*ls', table '%.*ls'%ls%.*ls%ls. Sp_adjustpublisheridentityrange can be called to get a new identity range.
550	The attempted insert or update failed because the target view either specifies WITH CHECK OPTION or spans a view that specifies WITH CHECK OPTION and one or more rows resulting from the operation did not qualify under the CHECK OPTION constraint.
551	The checksum has changed to %d. This shows that the row has been updated by another user.
552	CryptoAPI function '%ls' failed. Error 0x%x: %ls
555	User-defined functions are not yet enabled.
556	INSERT EXEC failed because the stored procedure altered the schema of the target table.
557	Only functions and extended stored procedures can be executed from within a function.
558	Remote function calls are not allowed within a function.

Error Code	Description
561	Failed to access file '%.*Is'
562	Failed to access file '%.*Is'. Files can be accessed only through shares
563	The transaction for the INSERT EXEC statement has been rolled back. The INSERT EXEC operation will be terminated.
564	Attempted to create a record with a fixed length of '%d'. Maximum allowable fixed length is '%d'.
565	The server encountered a stack overflow during compile time.
566	Error writing audit trace. SQL Server is shutting down.
567	File '%.*Is' either does not exist or is not a recognizable trace file. Or there was an error opening the file.
568	Server encountered an error '%.*Is'.

**Table 3–7: TSQL Error Codes - 600 to 699**

Error Code	Description
601	Could not continue scan with NOLOCK due to data movement.
602	Could not find row in sysindexes for database ID %d, object ID %ld, index ID %d. Run DBCC CHECKTABLE on sysindexes.
604	Could not find row in sysobjects for object ID %ld in database '%.*Is'. Run DBCC CHECKTABLE on sysobjects.
605	Attempt to fetch logical page %S_PGID in database '%.*Is' belongs to object '%.*Is', not to object '%.*Is'.
607	Insufficient room was allocated for search arguments in the session descriptor for object '%.*Is'. Only %d search arguments were anticipated.
615	Could not find database table ID %d, name '%.*Is'.
617	Descriptor for object ID %ld in database ID %d not found in the hash table during attempt to unhash it.
618	A varno of %d was passed to the opentable system function. The largest valid value is %d.
622	Filegroup '%.*Is' has no files assigned to it. Tables, indexes, and text, ntext, and image columns cannot be populated on this filegroup until a file is added.
623	Could not retrieve row from page by RID because logical page %S_PGID is not a data page. %S_RID. %S_PAGE.
624	Could not retrieve row from page by RID because the requested RID has a higher number than the last RID on the page. %S_RID.%S_PAGE, DBID %d.
625	Cannot retrieve row from page %S_PGID by RID because the slotid (%d) is not valid.
626	Cannot use ROLLBACK with a savepoint within a distributed transaction.
627	Cannot use SAVE TRANSACTION within a distributed transaction.
628	Cannot issue SAVE TRANSACTION when there is no active transaction.

Error Code	Description
635	Process %d tried to remove DES resource lock %S_DES, which it does not hold.
637	Index shrink program returned invalid status of 0.
639	Could not fetch logical page %S_PGID, database ID %d. The page is not currently allocated.
644	Could not find the index entry for RID '%.*hs' in index page %S_PGID, index ID %d, database '%.*Is'.
649	Could not find the clustered index entry for page %S_PGID, object ID %ld, status 0x%x. Index page %S_PGID, in database '%.*Is', was searched for this entry.
650	You can only specify the READPAST lock in the READ COMMITTED or REPEATABLE READ isolation levels.
651	Cannot use %hs granularity hint on table '%.*Is' because locking at the specified granularity is inhibited.
652	Index ID %d for table '%.*Is' resides on a read-only filegroup which cannot be modified.
653	Two buffers are conflicting for the same keep slot in table '%.*Is'.
654	No slots are free to keep buffers for table '%.*Is'.
655	Expected to find buffer in keep slot for table '%.*Is'.
666	Maximum system-generated unique value for a duplicate group exceeded for table ID %d, index ID %d. Dropping and re-creating the index may fix the problem; otherwise use another clustering key.
667	Index %d for table '%.*Is' resides on offline filegroup that cannot be accessed.

**Table 3–8: TSQL Error Codes - 700 to 799**

Error Code	Description
701	There is insufficient system memory to run this query.
708	Warning: Due to low virtual memory, special reserved memory used %d times since startup. Increase virtual memory on server.

**Table 3–9: TSQL Error Codes - 800 to 899**

Error Code	Description
802	No more buffers can be stolen.
804	Could not find buffer 0x%lx holding logical page %S_PGID in the SDES 0x%lx kept buffer pool for object '%.*Is'.
809	Buffer 0x%lx, allocation page %S_PGID, in database '%.*Is' is not in allocation buffer pool in PSS (process status structure). Contact Technical Support.
813	Logical page %S_PGID in database ID %d is already hashed.
816	Process ID %d tried to remove a buffer resource lock %S_BUF that it does not hold in SDES %S_SDES. Contact Technical Support.

Error Code	Description
818	There is no room to hold the buffer resource lock %S_BUF in SDES %S_SDES. Contact Technical Support.
821	Could not unhash buffer at 0x%lx with a buffer page number of %S_PGID and database ID %d with HASHED status set. The buffer was not found. %S_PAGE.
822	Could not start I/O for request %S_BLKIOPTR.
823	I/O error %ls detected during %S_MSG at offset %#016l64x in file '%ls'.
834	The bufclean system function was called on dirty buffer (page %S_PGID, stat %#x/%#x, objid %#x, sstat%#x).
840	Device '%.*ls' (physical name '%.*ls', virtual device number %d) is not available. Contact the system administrator for assistance.
844	Time out occurred while waiting for buffer latch type %d, bp %#x, page %S_PGID, stat %#x, object ID %d:%d:%d, waittime %d. Continuing to wait.
845	Time-out occurred while waiting for buffer latch type %d for page %S_PGID, database ID %d.

**Table 3–10: TSQL Error Codes - 900 to 999**

Error Code	Description
901	Could not find descriptor for database ID %d, object ID %ld in hash table after hashing it.
902	To change the %ls, the database must be in state in which a checkpoint can be executed.
903	Could not find row in sysindexes for clustered index on system catalog %ld in database ID %d. This index should exist in all databases. Run DBCC CHECKTABLE on sysindexes in the database.
906	Could not locate row in sysobjects for system catalog '%.*ls' in database '%.*ls'. This system catalog should exist in all databases. Run DBCC CHECKTABLE on sysobjects in this database.
911	Could not locate entry in sysdatabases for database '%.*ls'. No entry found with that name. Make sure that the name is entered correctly.
913	Could not find database ID %d. Database may not be activated yet or may be in transition.
916	Server user '%.*ls' is not a valid user in database '%.*ls'.
921	Database '%.*ls' has not been recovered yet. Wait and try again.
922	Database '%.*ls' is being recovered. Waiting until recovery is finished.
923	Database '%.*ls' is in restricted mode. Only the database owner and members of the dbcreator and sysadmin roles can access it.
924	Database '%.*ls' is already open and can only have one user at a time.
925	Maximum number of databases used for each query has been exceeded. The maximum allowed is %d.

Error Code	Description
926	Database '%.*Is' cannot be opened. It has been marked SUSPECT by recovery. See the SQL Server errorlog for more information.
927	Database '%.*Is' cannot be opened. It is in the middle of a restore.
929	Attempting to close a database that is not already open. Contact Technical Support.
941	Cannot open database '%.*Is'. It has not been upgraded to the latest format.
942	Database '%.*Is' cannot be opened because it is offline.
943	Database '%.*Is' cannot be opened because its version (%d) is later than the current server version (%d).
944	Converting database '%.*Is' from version %d to the current version %d.
945	Database '%.*Is' cannot be opened due to inaccessible files or insufficient memory or disk space. See the SQL Server errorlog for details.
946	Cannot open database '%.*Is' version %d. Upgrade the database to the latest version.
947	Error while closing database '%.*Is' cleanly.
948	Database '%.*Is' cannot be upgraded. Database is version %d and this server supports version %d.
949	tempdb is skipped. You cannot run a query that requires tempdb
950	Database '%.*Is' cannot be upgraded - database has a version (%d) earlier than SQL Server 7.0(%d).
951	Database '%.*Is' running the upgrade step from version %d to version %d.
952	Database '%.*Is' is in transition. Try the statement later.
953	Warning: Index '%Is' on '%Is' in database '%Is' may be corrupt because of expression evaluation changes in this release. Drop and re-create the index.

**Table 3–11: TSQL Error Codes - 1000 to 1099**

Error Code	Description
1001	Line %d: Length or precision specification %d is invalid.
1002	Line %d: Specified scale %d is invalid.
1003	Line %d: %Is clause allowed only for %Is.
1004	Invalid column prefix '%.*Is': No table name specified
1005	Line %d: Invalid procedure number (%d). Must be between 1 and 32767.
1006	CREATE TRIGGER contains no statements.
1007	The %S_MSG '%.*Is' is out of the range for numeric representation (maximum precision 38).
1008	The SELECT item identified by the ORDER BY number %d contains a variable as part of the expression identifying a column position. Variables are only allowed when ordering by an expression referencing a column name.

Error Code	Description
1010	Invalid escape character '%.*Is'.
1011	The correlation name '%.*Is' is specified multiple times in a FROM clause.
1012	The correlation name '%.*Is' has the same exposed name as table '%.*Is'.
1013	Tables or functions '%.*Is' and '%.*Is' have the same exposed names. Use correlation names to distinguish them.
1014	TOP clause contains an invalid value.
1015	An aggregate cannot appear in an ON clause unless it is in a subquery contained in a HAVING clause or select list, and the column being aggregated is an outer reference.
1016	Outer join operators cannot be specified in a query containing joined tables.
1019	Invalid column list after object name in GRANT/REVOKE statement.
1020	Column list cannot be specified for object-level permissions.
1021	FIPS Warning: Line %d has the non-ANSI statement '%.*Is'.
1022	FIPS Warning: Line %d has the non-ANSI clause '%.*Is'.
1023	Invalid parameter %d specified for %.*Is.
1024	FIPS Warning: Line %d has the non-ANSI function '%.*Is'.
1025	FIPS Warning: The length of identifier '%.*Is' exceeds 18.
1027	Too many expressions are specified in the GROUP BY clause. The maximum number is %d when either CUBE or ROLLUP is specified.
1028	The CUBE and ROLLUP options are not allowed in a GROUP BY ALL clause.
1029	Browse mode is invalid for subqueries and derived tables.
1031	Percent values must be between 0 and 100.
1032	Cannot use the column prefix '%.*Is'. This must match the object in the UPDATE clause '%.*Is'.
1033	The ORDER BY clause is invalid in views, inline functions, derived tables, and subqueries, unless TOP is also specified.
1035	Incorrect syntax near '%.*Is', expected '%.*Is'.
1036	File option %hs is required in this CREATE/ALTER DATABASE statement.
1037	The CASCADE, WITH GRANT or AS options cannot be specified with statement permissions.
1038	Cannot use empty object or column names. Use a single space if necessary.
1039	Option '%.*Is' is specified more than once.
1040	Mixing old and new syntax in CREATE/ALTER DATABASE statement is not allowed.
1041	Option %.*Is is not allowed for a LOG file.
1042	Conflicting %.*Is optimizer hints specified.

Error Code	Description
1043	'%hs' is not yet implemented.
1044	Cannot use an existing function name to specify a stored procedure name.
1045	Aggregates are not allowed in this context. Only scalar expressions are allowed.
1046	Subqueries are not allowed in this context. Only scalar expressions are allowed.
1047	Conflicting locking hints specified.
1048	Conflicting cursor options %ls and %ls.
1049	Mixing old and new syntax to specify cursor options is not allowed.
1050	This syntax is only allowed within the stored procedure sp_executesql.
1051	Cursor parameters in a stored procedure must be declared with OUTPUT and VARYING options, and they must be specified in the order CURSOR VARYING OUTPUT.
1052	Conflicting %ls options %ls and %ls.
1053	For DROP STATISTICS, you must give both the table and the column name in the form 'tablename.column'.
1054	Syntax '%ls' is not allowed in schema-bound objects.
1055	'%.*ls' is an invalid name because it contains a NULL character.
1056	The maximum number of elements in the select list is %d and you have supplied %d.
1057	The IDENTITY function cannot be used with a SELECT INTO statement containing a UNION operator.
1058	Cannot specify both READ_ONLY and FOR READ ONLY on a cursor declaration.
1059	Cannot set or reset the %ls option within a procedure.
1060	The number of rows in the TOP clause must be an integer.
1061	The text/ntext/image constants are not yet implemented.
1062	The TOP N WITH TIES clause is not allowed without a corresponding ORDER BY clause.
1063	A filegroup cannot be added using ALTER DATABASE ADD FILE. Use ALTER DATABASE ADD FILEGROUP.
1064	A filegroup cannot be used with log files.
1065	The NOLOCK, READUNCOMMITTED, and READPAST lock hints are only allowed in a SELECT statement.
1066	Warning. Line %d: The option '%ls' is obsolete and has no effect.
1067	The SET SHOWPLAN statements must be the only statements in the batch.
1068	Only one list of index hints per table is allowed.
1069	Index hints are only allowed in a FROM clause.
1070	CREATE INDEX option '%.*ls' is no longer supported.



Error Code	Description
1071	Cannot specify a JOIN algorithm with a remote JOIN.
1072	A REMOTE hint can only be specified with an INNER JOIN clause.
1073	'%.*Is' is not a recognized cursor option for cursor %.*Is.
1074	Creation of temporary functions is not allowed.
1075	RETURN statements in scalar valued functions must include an argument.
1076	Function '%s' requires at least %d argument(s).
1077	INSERT into an identity column not allowed on table variables.
1078	'%.*Is %.*Is' is not a recognized option.
1079	A variable cannot be used to specify a search condition in a fulltext predicate when accessed through a cursor.

**Table 3–12: TSQL Error Codes - 1100 to 1199**

Error Code	Description
1101	Could not allocate new page for database '%.*Is'. There are no more pages available in filegroup %.*Is. Space can be created by dropping objects, adding additional files, or allowing file growth.
1102	IAM page %S_PGID for object ID %ld is incorrect. The %S_MSG ID on page is %ld; should be %ld. The entry in sysindexes may be incorrect or the IAM page may contain an error.
1103	Allocation page %S_PGID in database '%.*Is' has different segment ID than that of the object which is being allocated to. Run DBCC CHECKALLOC.
1105	Could not allocate space for object '%.*Is' in database '%.*Is' because the '%.*Is' filegroup is full.
1109	Could not read allocation page %S_PGID because either the object ID (%ld) is not correct, or the page ID (%S_PGID) is not correct.

**Table 3–13: TSQL Error Codes - 1200 to 1299**

Error Code	Description
1201	The page_lock system function was called with a mode %d that is not permitted.
1203	Process ID %d attempting to unlock unowned resource '.*Is'.
1204	The SQL Server cannot obtain a LOCK resource at this time. Rerun your statement when there are fewer active users or ask the system administrator to check the SQL Server lock and memory configuration.
1205	Transaction (Process ID %d) was deadlocked on {%Z} resources with another process and has been chosen as the deadlock victim. Rerun the transaction.
1206	Transaction manager has canceled the distributed transaction.
1211	Process ID %d was chosen as the deadlock victim with P_BACKOUT bit set.
1220	No more lock classes available from transaction.
1221	Invalid lock class for release call.
1222	Lock request time out period exceeded.
1223	Attempting to release application lock '.*Is' that is not currently held.

**Table 3–14: TSQL Error Codes - 1500 to 1599**

Error Code	Description
1501	Sort failure.
1505	CREATE UNIQUE INDEX terminated because a duplicate key was found for index ID %d. Most significant primary key is '%S_KEY'.
1507	Warning: Deleted duplicate row. Primary key is '%S_KEY'.
1508	CREATE INDEX terminated because a duplicate row was found. Primary key is '%S_KEY'.
1509	Row compare failure.
1510	Sort failed. Out of space or locks in database '.*Is'.
1511	Sort cannot be reconciled with transaction log.
1522	Sort failure. Prevented overwriting of allocation page in database '.*Is' by terminating sort.
1523	Sort failure. Prevented incorrect extent deallocation by aborting sort.
1528	Character data comparison failure. An unrecognized Sort-Map-Element type (%d) was found in the server-wide default sort table at SMEL entry [%d].
1529	Character data comparison failure. A list of Sort-Map-Elements from the server-wide default sort table does not end properly. This list begins at SMEL entry [%d].
1530	CREATE INDEX with DROP_EXISTING was aborted because a row was out of order. Most significant offending primary key is '%S_KEY'. Explicitly drop and create the index instead.

Error Code	Description
1531	The SORTED_DATA_REORG option cannot be used for a nonclustered index if the keys are not unique within the table. CREATE INDEX was aborted because of duplicate keys. Primary key is '%S_KEY'.
1532	New sort run starting on page %S_PGID found extent not marked as shared.
1533	Cannot share extent %S_PGID among more than eight sort runs.
1534	Extent %S_PGID not found in shared extent directory.
1535	Cannot share extent %S_PGID with shared extent directory full.
1536	Cannot build a nonclustered index on a memory-only work table.
1537	Cannot suspend a sort not in row input phase.
1538	Cannot insert into a sort not in row input phase.
1540	Cannot sort a row of size %d, which is greater than the allowable maximum of %d.

**Table 3–15: TSQL Error Codes - 1600 to 1699**

Error Code	Description
1619	Could not open tempdb. Cannot continue.
1620	Cannot start C2 audit trace. SQL Server is shutting down.
1621	Server started with '-f'. Auditing will not be started.

**Table 3–16: TSQL Error Codes - 1700 to 1799**

Error Code	Description
1701	Creation of table '%.*Is' failed because the row size would be %d, including internal overhead. This exceeds the maximum allowable table row size, %d.
1702	CREATE TABLE failed because column '%.*Is' in table '%.*Is' exceeds the maximum of %d columns.
1703	Could not allocate disk space for a work table in database '%.*Is'. You may be able to free up space by using BACKUP LOG, or you may want to extend the size of the database by using ALTER DATABASE.
1704	Only members of the sysadmin role can create the system table '%.*Is'.
1705	You must create system table '%.*Is' in the master database.
1706	System table '%.*Is' was not created, because ad hoc updates to system catalogs are not enabled.
1708	Warning: The table '%.*Is' has been created but its maximum row size (%d) exceeds the maximum number of bytes per row (%d). INSERT or UPDATE of a row in this table will fail if the resulting row length exceeds %d bytes.
1709	Cannot use TEXTIMAGE_ON when a table has no text, ntext, or image columns.
1750	Could not create constraint. See previous errors.

Error Code	Description
1752	Could not create DEFAULT for column '%.*Is' as it is not a valid column in the table '%.*Is'.
1753	Column '%.*Is.%.*Is' is not the same length as referencing column '%.*Is.%.*Is' in foreign key '%.*Is'.
1754	Defaults cannot be created on columns with an IDENTITY attribute. Table '%.*Is', column '%.*Is'.
1755	Defaults cannot be created on columns of data type timestamp. Table '%.*Is', column '%.*Is'.
1756	Skipping FOREIGN KEY constraint '%.*Is' definition for temporary table.
1757	Column '%.*Is.%.*Is' is not of same collation as referencing column '%.*Is.%.*Is' in foreign key '%.*Is'.
1759	Invalid column '%.*Is' is specified in a constraint or computed-column definition.
1760	Constraints of type %Is cannot be created on columns of type %Is.
1763	Cross-database foreign key references are not supported. Foreign key '%.*Is'.
1766	Foreign key references to temporary tables are not supported. Foreign key '%.*Is'.
1767	Foreign key '%.*Is' references invalid table '%.*Is'.
1768	Foreign key '%.*Is' references object '%.*Is' which is not a user table.
1769	Foreign key '%.*Is' references invalid column '%.*Is' in referencing table '%.*Is'.
1770	Foreign key '%.*Is' references invalid column '%.*Is' in referenced table '%.*Is'.
1772	Foreign key '%.*Is' defines an invalid relationship between a user table and system table.
1773	Foreign key '%.*Is' has implicit reference to object '%.*Is' which does not have a primary key defined on it.
1774	The number of columns in the referencing column list for foreign key '%.*Is' does not match those of the primary key in the referenced table '%.*Is'.
1776	There are no primary or candidate keys in the referenced table '%.*Is' that match the referencing column list in the foreign key '%.*Is'.
1777	User does not have correct permissions on referenced table '%.*Is' to create foreign key '%.*Is'.
1778	Column '%.*Is.%.*Is' is not the same data type as referencing column '%.*Is.%.*Is' in foreign key '%.*Is'.
1779	Table '%.*Is' already has a primary key defined on it.
1780	Could not find column ID %d in syscolumns for object ID %d in database ID %d.
1781	Column already has a DEFAULT bound to it.
1784	Cannot create the foreign key '%.*Is' because the referenced column '%.*Is.%.*Is' is a computed column.

Error Code	Description
1785	Introducing FOREIGN KEY constraint '%.*s' on table '%.*s' may cause cycles or multiple cascade paths. Specify ON DELETE NO ACTION or ON UPDATE NO ACTION, or modify other FOREIGN KEY constraints.
1786	Either column '%.*s.%.*s' or referencing column '%.*s.%.*s' in foreign key '%.*s' is a timestamp column. This data type cannot be used with cascading referential integrity constraints.
1787	Cannot define foreign key constraint '%.*s' with cascaded DELETE or UPDATE on table '%.*s' because the table has an INSTEAD OF DELETE or UPDATE TRIGGER defined on it.
1788	Cascading foreign key '%.*s' cannot be created where the referencing column '%.*s.%.*s' is an identity column.
1789	Cannot use CHECKSUM(*) in a computed column definition.

**Table 3–17: TSQL Error Codes - 1800 to 1899**

Error Code	Description
1801	Database '%.*s' already exists.
1802	CREATE DATABASE failed. Some file names listed could not be created. Check previous errors.
1803	CREATE DATABASE failed. Could not allocate enough disk space for a new database on the named disks. Total space allocated must be at least %d MB to accommodate a copy of the model database.
1804	There is no disk named '%.*s'. Checking other disk names.
1805	The CREATE DATABASE process is allocating %.2f MB on disk '%.*s'.
1806	CREATE DATABASE failed. The default collation of database '%.*s' cannot be set to '%.*s'.
1807	Could not obtain exclusive lock on database '%.*s'. Retry the operation later.
1808	Default devices are not supported.
1809	To achieve optimal performance, update all statistics on the '%.*s' database by running sp_updatestats.
1811	'%.*s' is the wrong type of device for CREATE DATABASE or ALTER DATABASE. Check sysdevices. The statement is aborted.
1812	CREATE DATABASE failed. COLLATE clause cannot be used with the FOR ATTACH option.
1813	Could not open new database '%.*s'. CREATE DATABASE is aborted.
1814	Could not create tempdb. If space is low, extend the amount of space and restart.
1818	Primary log file '%.*s' is missing and the database was not cleanly shut down so it cannot be rebuilt.
1819	Could not create default log file because the name was too long.
1820	Disk '%.*s' is already completely used by other databases. It can be expanded with DISK RESIZE.

Error Code	Description
1826	User-defined filegroups are not allowed on '%hs'.
1827	CREATE/ALTER DATABASE failed because the resulting cumulative database size would exceed your licensed limit of %d MB per %S_MSG.
1828	The file named '%.*Is' is already in use. Choose another name.
1829	The FOR ATTACH option requires that at least the primary file be specified.
1830	The files '%.*Is' and '%.*Is' are both primary files. A database can only have one primary file.
1832	Could not attach database '%.*Is' to file '%.*Is'.
1833	File '%Is' cannot be reused until after the next BACKUP LOG operation.
1834	The file '%Is' cannot be overwritten. It is being used by database '%.*Is'.
1835	Unable to create/attach any new database because the number of existing databases has reached the maximum number allowed: %d.

**Table 3–18: TSQL Error Codes - 1900 to 1999**

Error Code	Description
1901	Column '%.*Is'. Cannot create index on a column of bit data type.
1902	Cannot create more than one clustered index on table '%.*Is'. Drop the existing clustered index '%.*Is' before creating another.
1903	Index keys are too large. The %d bytes needed to represent the keys for index %d exceeds the size limit of %d bytes.
1904	Cannot specify more than %d column names for statistics or index key list. %d specified.
1905	Could not find 'zero' row for index '%.*Is' the table in sysindexes.
1906	Cannot create an index on '%.*Is', because this table does not exist in database '%.*Is'.
1907	Cannot re-create index '%.*Is'. The new index definition does not match the constraint being enforced by the existing index.
1909	Cannot use duplicate column names in index key list. Column name '%.*Is' listed more than once.
1910	Cannot create more than %d nonclustered indices or column statistics on one table.
1911	Column name '%.*Is' does not exist in the target table.
1913	There is already an index on table '%.*Is' named '%.*Is'.
1914	Index cannot be created on object '%.*Is' because the object is not a user table or view.
1916	CREATE INDEX options %Is and %Is are mutually exclusive.
1918	Index (ID = %d) is being rebuilt.

Error Code	Description
1919	Column '%.*Is'. Cannot create index on a column of text, ntext, or image data type.
1920	Skipping rebuild of index ID %d, which is on a read-only filegroup.
1921	Invalid filegroup '%.*Is' specified.
1922	Filegroup '%.*Is' has no files assigned to it. Tables, indexes, and text, ntext, and image columns cannot be created on this filegroup.
1923	The clustered index has been dropped.
1924	Filegroup '%.*Is' is read-only.
1925	Cannot convert a clustered index to a nonclustered index using the DROP_EXISTING option.
1926	Cannot create a clustered index because nonclustered index ID %d is on a read-only filegroup.
1927	There are already statistics on table '%.*Is' named '%.*Is'.
1928	Cannot create statistics on table '%.*Is' because this table does not exist in database '%.*Is'.
1929	Statistics cannot be created on object '%.*Is' because the object is not a user table or view.
1931	Filegroup '%.*Is' is offline.
1932	Cannot create a clustered index because nonclustered index ID %d is on an offline filegroup.
1933	Cannot create index because the key column '%.*Is' is non-deterministic or imprecise.
1934	%Is failed because the following SET options have incorrect settings: '%.*Is'.
1935	Cannot create index. Object '%.*Is' was created with the following SET options off: '%.*Is'.
1936	Cannot %Is the %S_MSG '%.*Is'. It contains one or more disallowed constructs.
1937	Cannot index the view '%.*Is'. It references another view or function '%.*Is'.
1938	Index cannot be created on %S_MSG '%.*Is' because the underlying object '%.*Is' has a different owner.
1939	Cannot create %S_MSG on view '%.*Is' because the view is not schema bound.
1940	Cannot create %S_MSG on view '%.*Is'. It does not have a unique clustered index.
1941	Nonunique clustered index cannot be created on view '%.*Is' because only unique clustered indexes are allowed.
1942	Index cannot be created on view '%.*Is' because the view contains text, ntext or image columns.
1943	Index cannot be created on view '%.*Is' because the view has one or more nondeterministic expressions.

Error Code	Description
1944	Index '%.*Is' was not created. This index has a key length of at least %d bytes. The maximum permissible key length is %d bytes.
1945	Warning! The maximum key length is %d bytes. The index '%.*Is' has maximum length of %d bytes. For some combination of large values, the insert/update operation will fail.
1946	Operation failed. The index entry of length %d bytes for the index '%.*Is' exceeds the maximum length of %d bytes.
1947	Index cannot be created on view '%.*Is' because the view contains a self-join on '%.*Is'.
1948	Duplicate index names '%.*Is' and '%.*Is' detected on table '%.*Is'.
1949	Index on view '%.*Is' cannot be created because function '%s' yields nondeterministic results.
1950	Index on view '%.*Is' cannot be created because the view contains an imprecise expression in a GROUP BY clause
1951	Index on view '%.*Is' cannot be created because the view contains an imprecise expression in the WHERE clause.
1952	Index on view '%.*Is' cannot be created because the view contains an imprecise expression in a join.
1953	Index on view '%.*Is' cannot be created because some arguments are missing in a built-in function.
1954	Index on view '%.*Is' cannot be created because the view uses a column bound to a rule.
1955	Index on view '%.*Is' cannot be created because the view contains a nondeterministic computed column.
1956	Index on view '%.*Is' cannot be created because the view uses a nondeterministic user-defined function.
1957	Index on view '%.*Is' cannot be created because the view requires a conversion involving dates or variants.
1958	This edition of SQL Server does not support indexed views.
1959	Cannot create index on view or computed column because this database is not SQL Server compatible.



**Table 3–19: TSQL Error Codes - 2000 to 2099**

Error Code	Description
2001	Cannot use duplicate parameter names. Parameter name '%.*s' listed more than once.
2004	Procedure '%.*s' has already been created with group number %d. Create procedure with an unused group number.
2007	Cannot add rows to sysdepends for the current stored procedure because it depends on the missing object '%.*s'. The stored procedure will still be created.
2008	The object '%.*s' is not a procedure so you cannot create another procedure under that group name.
2009	Procedure '%.*s' was created despite delayed name resolution warnings (if any).
2010	Cannot perform alter on '%.*s' because it is an incompatible object type.
2011	Index hints cannot be specified within a schema-bound object.
2012	User-defined variables cannot be declared within a schema-bound object.

**Table 3–20: TSQL Error Codes - 2100 to 2199**

Error Code	Description
2106	Cannot create a trigger on table '%.*s', because this table does not exist in database '%.*s'.
2108	Cannot create a trigger on table '%.*s' because you can only create a trigger on a table in the current database.
2110	Cannot alter trigger '%.*s' for table '%.*s' because this trigger does not belong to this table.
2111	Cannot %s trigger '%.*s' for %S_MSG '%.*s' because an INSTEAD OF %s trigger already exists.
2112	Cannot %s trigger '%.*s' for view '%.*s' because it is defined with the CHECK OPTION.
2113	Cannot %s INSTEAD OF DELETE or UPDATE TRIGGER '%.*s' on table '%.*s' because the table has a FOREIGN KEY with cascaded DELETE or UPDATE.
2114	Column '%.*s' cannot be used in an IF UPDATE clause because it is a computed column.

**Table 3–21: TSQL Error Codes - 2500 to 2599**

Error Code	Description
2501	Could not find a table or object named '%.*s'. Check sysobjects.
2502	Could not start transaction.
2503	Successfully deleted the physical file '%s'.
2504	Could not delete the physical file '%s'. The DeleteFile system function returned error %s.

Error Code	Description
2505	The device '%.*ls' does not exist. Use sp_helpdevice to show available devices.
2506	Could not find a table or object name '%.*ls' in database '%.*ls'.
2511	Table error: Object ID %d, Index ID %d. Keys out of order on page %S_PGID, slots %d and %d.
2512	Table error: Object ID %d, Index ID %d. Duplicate keys on page %S_PGID slot %d and page %S_PGID slot %d.
2513	Table error: Object ID %ld (object '%.*ls') does not match between '%.*ls' and '%.*ls'.
2514	Table error: Data type %ld (type '%.*ls') does not match between '%.*ls' and '%.*ls'.
2515	Page %S_PGID, object ID %d, index ID %d has been modified but is not marked modified in the differential backup bitmap.
2516	The differential bitmap was invalidated for database '%.*ls'. A full database backup is required before a differential backup can be performed.
2517	The minimally logged operation status has been turned on for database '%.*ls'. Rerun backup log operations to ensure that all data has been secured.
2519	Unable to process table '%.*ls' because filegroup '%.*ls' is invalid.
2520	Could not find database '%.*ls'. Check sysdatabases.
2521	Could not find database ID %d. Check sysdatabases.
2522	Unable to process index '%.*ls' of table '%.*ls' because filegroup '%.*ls' is invalid.
2523	Filegroup '%.*ls' is invalid.
2524	Unable to process table '%.*ls' because filegroup '%.*ls' is offline.
2525	Database file '%.*ls' is offline.
2526	Incorrect DBCC statement. Check the documentation for the correct DBCC syntax and options.
2527	Unable to process index '%.*ls' of table '%.*ls' because filegroup '%.*ls' is offline.
2528	DBCC execution completed. If DBCC printed error messages, contact your system administrator.
2529	Filegroup '%.*ls' is offline.
2530	Secondary index entries were missing or did not match the data in the table. Use the WITH TABLOCK option and run the command again to display the failing records.
2531	Table error: Object ID %d, index ID %d B-tree level mismatch, page %S_PGID. Level %d does not match level %d from previous %S_PGID.
2532	DBCC SHRINKFILE could not shrink file %ls. Log files are not supported.
2533	Table error: Page %S_PGID allocated to object ID %d, index ID %d was not seen. Page may be invalid or have incorrect object ID information in its header.

Error Code	Description
2534	Table error: Page %S_PGID with object ID %d, index ID %d in its header is allocated by another object.
2535	Table error: Page %S_PGID is allocated to object ID %d, index ID %d, not to object ID %d, index ID %d found in page header.
2536	DBCC results for '%.*Is'.
2537	Table error: Object ID %d, index ID %d, page %S_PGID, row %d. Record check (%hs) failed. Values are %ld and %ld.
2538	File %d. Number of extents = %ld, used pages = %ld, reserved pages = %ld.
2539	Total number of extents = %ld, used pages = %ld, reserved pages = %ld in this database.
2540	The system cannot self repair this error.
2541	DBCC UPDATEUSAGE: sysindexes row updated for table '%.*Is' (index ID %ld):
2542	DATA pages: Changed from (%ld) to (%ld) pages.
2543	USED pages: Changed from (%ld) to (%ld) pages.
2544	RSVD pages: Changed from (%ld) to (%ld) pages.
2545	ROWS count: Changed from (%ld) to (%ld) rows.
2546	Index '%.*Is' on table '%.*Is' is marked offline. Rebuild the index to bring it online.
2547	Performing second pass of index checks.
2548	DBCC: Compaction phase of index '%.*Is' is %d%% complete.
2549	DBCC: Defrag phase of index '%.*Is' is %d%% complete.
2557	User '%.*Is' does not have permission to run DBCC %Is for object '%.*Is'.
2559	The '%Is' and '%Is' options are not allowed on the same statement.
2560	Parameter %d is incorrect for this DBCC statement.
2562	'%Is' cannot access object '%.*Is' because it is not a table.
2566	DBCC DBREINDEX cannot be used on system tables.
2567	DBCC INDEXDEFRAG cannot be used on system table indexes
2568	Page %S_PGID is out of range for this database or is in a log file.
2570	Warning: Page %S_PGID, slot %d in Object %d Index %d Column %.*Is value %.*Is is out of range for data type "%.*Is". Update column to a legal value.
2571	User '%.*Is' does not have permission to run DBCC %.*Is.
2572	DBCC cannot free DLL '%.*Is'. The DLL is in use.
2573	Database '%.*Is' is not marked suspect. You cannot drop it with DBCC.
2574	Object ID %d, index ID %d: Page %S_PGID is empty. This is not permitted at level %d of the B-tree.
2575	IAM page %S_PGID is pointed to by the next pointer of IAM page %S_PGID object ID %d index ID %d but was not detected in the scan.

Error Code	Description
2576	IAM page %S_PGID is pointed to by the previous pointer of IAM page %S_PGID object ID %d index ID %d but was not detected in the scan.
2577	Chain sequence numbers are out of order in IAM chain for object ID %d, index ID %d. Page %S_PGID sequence number %d points to page %S_PGID sequence number %d.
2578	Minimally logged extents were found in GAM interval starting at page %S_PGID but the minimally logged flag is not set in the database table.
2579	Table error: Extent %S_PGID object ID %d, index ID %d is beyond the range of this database.
2580	Table '%.*ls' is either a system or temporary table. DBCC CLEANTABLE cannot be applied to a system or temporary table.
2583	An incorrect number of parameters was given to the DBCC statement.
2588	Page %S_PGID was expected to be the first page of a text, ntext, or image value.
2590	User '%.*ls' is modifying bytes %d to %d of page %S_PGID in database '%.*ls'.
2591	Could not find row in sysindexes with index ID %d for table '%.*ls'.
2592	%ls index successfully restored for object '%.*ls' in database '%.*ls'.
2593	There are %l64d rows in %ld pages for object '%.*ls'.
2594	Invalid index ID (%d) specified.
2595	Database '%.*ls' must be set to single user mode before executing this statement.
2597	The database is not open. Execute a 'USE '%.*ls'' statement and rerun the DBCC statement.
2598	Clustered indexes on sysobjects and sysindexes cannot be re-created.

**Table 3–22: TSQL Error Codes - 2600 to 2699**

Error Code	Description
2601	Cannot insert duplicate key row in object '%.*ls' with unique index '%.*ls'.
2603	No space left on logical page %S_PGID of index ID %d for object '%.*ls' when inserting row on an index page. This situation should have been handled while traversing the index.
2617	Buffer holding logical page %S_PGID not found in keep pool in SDES for object '%.*ls'. Contact Technical Support.
2624	Could not insert into table %S_DES because row length %d is less than the minimum length %d.
2627	Violation of %ls constraint '%.*ls'. Cannot insert duplicate key in object '%.*ls'.

**Table 3–23: TSQL Error Codes - 2700 to 2799**

Error Code	Description
2701	Database name '%.*ls' ignored, referencing object in tempdb.

Error Code	Description
2702	Database '%.*s' does not exist.
2705	Column names in each table must be unique. Column name '%.*s' in table '%.*s' is specified more than once.
2706	Table '%.*s' does not exist.
2710	You are not the owner specified for the object '%.*s' in this statement (CREATE, ALTER, TRUNCATE, UPDATE STATISTICS or BULK INSERT).
2714	There is already an object named '%.*s' in the database.
2715	Column or parameter #%d: Cannot find data type '%.*s'.
2716	Column or parameter #%d: Cannot specify a column width on data type '%.*s'.
2717	The size (%d) given to the %S_MSG '%.*s' exceeds the maximum allowed (%d).
2718	Column or parameter #%d: Cannot specify null values on a column of data type bit.
2721	Could not find a default segment to create the table on. Ask your system administrator to specify a default segment in syssegments.
2724	Parameter '%.*s' has an invalid data type.
2727	Cannot find index '%.*s'.
2730	Cannot create procedure '%.*s' with a group number of %d because a procedure with the same name and a group number of 1 does not currently exist in the database. Must execute CREATE PROCEDURE '%.*s';1 first.
2731	Column '%.*s' has invalid width: %d.
2732	Error number %ld is invalid. The number must be from %ld through %ld
2734	The user name '%.*s' does not exist in sysusers.
2736	Owner name specified is a group name. Objects cannot be owned by groups.
2737	Message passed to %hs must be of type char, varchar, nchar, or nvarchar.
2738	A table can only have one timestamp column. Because table '%.*s' already has one, the column '%.*s' cannot be added.
2739	The text, ntext, and image data types are invalid for local variables.
2740	SET LANGUAGE failed because '%.*s' is not an official language name or a language alias on this SQL Server.
2741	SET DATEFORMAT date order '%.*s' is invalid.
2742	SET DATEFIRST %d is out of range.
2743	%s statement requires %S_MSG parameter.
2744	Multiple identity columns specified for table '%.*s'. Only one identity column per table is allowed.
2745	Process ID %d has raised user error %d, severity %d. SQL Server is terminating this process.
2746	Cannot specify user error format string with a length exceeding %d bytes.

Error Code	Description
2747	Too many substitution parameters for RAISERROR. Cannot exceed %d substitution parameters.
2748	Cannot specify %ls data type (RAISERROR parameter %d) as a substitution parameter for RAISERROR.
2749	Identity column '%.*ls' must be of data type int, bigint, smallint, tinyint, or decimal or numeric with a scale of 0, and constrained to be nonnullable.
2750	Column or parameter #%d: Specified column precision %d is greater than the maximum precision of %d.
2751	Column or parameter #%d: Specified column scale %d is greater than the specified precision of %d.
2752	Identity column '%.*ls' contains invalid SEED.
2753	Identity column '%.*ls' contains invalid INCREMENT.
2754	Error severity levels greater than %d can only be specified by members of the sysadmin role, using the WITH LOG option.
2755	SET DEADLOCK_PRIORITY option '%.*ls' is invalid.
2756	Invalid value %d for state. Valid range is from %d to %d.
2757	RAISERROR failed due to invalid parameter substitution(s) for error %d, severity %d, state %d.
2758	%hs could not locate entry for error %d in sysmessages.
2759	CREATE SCHEMA failed due to previous errors.
2760	Specified owner name '%.*ls' either does not exist or you do not have permission to use it.
2761	The ROWGUIDCOL property can only be specified on the uniqueidentifier data type.
2762	sp_setapprole was not invoked correctly. Refer to the documentation for more information.
2763	Could not find application role '%.*ls'.
2764	Incorrect password supplied for application role '%.*ls'.
2765	Could not locate statistics for column '%.*ls' in the system catalogs.
2766	The definition for user-defined data type '%.*ls' has changed.
2767	Could not locate statistics '%.*ls' in the system catalogs.
2768	Statistics for %ls '%.*ls'.
2769	Column '%.*ls'. Cannot create statistics on a column of data type %ls.
2770	The SELECT INTO statement cannot have same source and destination tables.
2771	Cannot create statistics on table '%.*ls'. This table is a virtual system table.
2772	Cannot access temporary tables from within a function.
2773	Sort order ID %d is invalid.

Error Code	Description
2774	Collation ID %d is invalid.
2775	Code page %d is not supported by the operating system.
2777	Database '%.*ls' contains columns or parameters with the following code page(s) not supported by the operating system: %ls.

**Table 3–24: TSQL Error Codes - 2800 to 2899**

Error Code	Description
2801	The definition of object '%.*ls' has changed since it was compiled.
2809	The request for %S_MSG '%.*ls' failed because '%.*ls' is a %S_MSG object.
2812	Could not find stored procedure '%.*ls'.

**Table 3–25: TSQL Error Codes - 3000 to 3099**

Error Code	Description
3009	Could not insert a backup or restore history/detail record in the msdb database. This may indicate a problem with the msdb database. The backup/restore operation was still successful.
3011	All backup devices must be of the same general class (for example, DISK and TAPE).
3013	%hs is terminating abnormally.
3014	%hs successfully processed %d pages in %d.%03d seconds (%d.%03d MB/sec).
3015	%hs is not yet implemented.
3016	File '%ls' of database '%ls' has been removed or shrunk since this backup or restore operation was interrupted. The operation cannot be restarted.
3017	Could not resume interrupted backup or restore operation. See the SQL Server error log for more information.
3018	There is no interrupted backup or restore operation to restart. Reissue the statement without the RESTART clause.
3019	The checkpoint file was for a different backup or restore operation. Reissue the statement without the RESTART clause.
3020	The backup operation cannot be restarted as the log has been truncated. Reissue the statement without the RESTART clause.
3021	Cannot perform a backup or restore operation within a transaction.
3023	Backup and file manipulation operations (such as ALTER DATABASE ADD FILE) on a database must be serialized. Reissue the statement after the current backup or file manipulation operation is completed.
3024	You can only perform a full backup of the master database. Use BACKUP DATABASE to back up the entire master database.
3025	Missing database name. Reissue the statement specifying a valid database name.

Error Code	Description
3026	Could not find filegroup ID %d in sysfilegroups for database '%ls'.
3027	Could not find filegroup '%.*ls' in sysfilegroups for database '%.*ls'.
3028	Operation checkpoint file is invalid. Could not restart operation. Reissue the statement without the RESTART option.
3031	Option '%ls' conflicts with option(s) '%ls'. Remove the conflicting option and reissue the statement.
3032	One or more of the options (%ls) are not supported for this statement. Review the documentation for supported options.
3033	BACKUP DATABASE cannot be used on a database opened in emergency mode.
3034	No files were selected to be processed. You may have selected one or more filegroups that have no members.
3035	Cannot perform a differential backup for database '%ls', because a current database backup does not exist. Perform a full database backup by reissuing BACKUP DATABASE, omitting the WITH DIFFERENTIAL option.
3036	Database '%ls' is in warm-standby state (set by executing RESTORE WITH STANDBY) and cannot be backed up until the entire load sequence is completed.
3037	Minimally logged operations have occurred prior to this WITH RESTART command. Reissue the BACKUP statement without WITH RESTART.
3038	The filename '%ls' is invalid as a backup device name. Reissue the BACKUP statement with a valid filename.
3039	Cannot perform a differential backup for file '%ls' because a current file backup does not exist. Reissue BACKUP DATABASE omitting the WITH DIFFERENTIAL option.
3040	An error occurred while informing replication of the backup. The backup will continue, but the replication environment should be inspected.
3041	BACKUP failed to complete the command %.*ls

**Table 3–26: TSQL Error Codes - 3100 to 3199**

Error Code	Description
3101	Exclusive access could not be obtained because the database is in use.
3108	RESTORE DATABASE must be used in single user mode when trying to restore the master database.
3110	User does not have permission to RESTORE database '%.*ls'.
3112	Cannot restore any database other than master when the server is in single user mode.
3113	The database owner (DBO) does not have an entry in sysusers in database '%.*ls'.
3114	Database '%.*ls' does not have an entry in sysdatabases.
3123	Invalid database name '%.*ls' specified for backup or restore operation.
3127	Temporary Message: The backup set does not contain pages for file '%ls'.



Error Code	Description
3128	File '%ls' has an unsupported page size (%d).
3129	Temporary Message: File '%ls' has changed size from %d to %d bytes.
3132	The media set for database '%ls' has %d family members but only %d are provided. All members must be provided.
3133	The volume on device '%ls' is not a member of the media family.
3135	The backup set in file '%ls' was created by %hs and cannot be used for this restore operation.
3136	Cannot apply the backup on device '%ls' to database '%ls'.
3138	One or more files in the backup set are no longer part of database '%ls'.
3140	Could not adjust the space allocation for file '%ls'.
3141	The database to be restored was named '%ls'. Reissue the statement using the WITH REPLACE option to overwrite the '%ls' database.
3142	File '%ls' cannot be restored over the existing '%ls'. Reissue the RESTORE statement using WITH REPLACE to overwrite pre-existing files.
3143	The data set on device '%ls' is not a SQL Server backup set.
3144	File '%.*ls' was not backed up in file %d on device '%ls'. The file cannot be restored from this backup set.
3145	The STOPAT option is not supported for RESTORE DATABASE. You can use the STOPAT option with RESTORE LOG.
3146	None of the newly-restored files had been modified after the backup was taken, so no further recovery actions are required. The database is now available for use.
3147	Backup and restore operations are not allowed on database tempdb.
3148	Media recovery for ALTER DATABASE is not yet implemented. The database cannot be rolled forward.
3150	The master database has been successfully restored. Shutting down SQL Server.
3151	The master database failed to restore. Use the rebuildm utility to rebuild the master database. Shutting down SQL Server.
3152	Cannot overwrite file '%ls' because it is marked as read-only.
3153	The database is already fully recovered.
3154	The backup set holds a backup of a database other than the existing '%ls' database.
3155	The RESTORE operation cannot proceed because one or more files have been added or dropped from the database since the backup set was created.
3156	File '%ls' cannot be restored to '%ls'. Use WITH MOVE to identify a valid location for the file.
3157	The logical file (%d) is named '%ls'. RESTORE will not overwrite it from '%ls'.

Error Code	Description
3158	Could not create one or more files. Consider using the WITH MOVE option to identify valid locations.
3159	The tail of the log for database '%ls' has not been backed up. Back up the log and rerun the RESTORE statement specifying the FILE clause.
3160	Could not update primary file information in sysdatabases.
3161	The primary file is unavailable. It must be restored or otherwise made available.
3162	The database has on-disk structure version %d. The server supports version %d and can only restore such a database that was inactive when it was backed up. This database was not inactive.
3163	The transaction log was damaged. All data files must be restored before RESTORE LOG can be attempted.
3164	Cannot roll forward the database with on-disk structure version %d. The server supports version %d. Reissue the RESTORE statement WITH RECOVERY.
3165	Could not adjust the replication state of database '%ls'. The database was successfully restored, however its replication state is indeterminate. See the Troubleshooting Replication section in SQL Server Books Online.
3166	RESTORE DATABASE could not drop database '%ls'. Drop the database and then reissue the RESTORE DATABASE statement.
3167	RESTORE could not start database '%ls'.
3168	The backup of the system database on device %ls cannot be restored because it was created by a different version of the server (%u) than this server (%u).
3169	The backed-up database has on-disk structure version %d. The server supports version %d and cannot restore or upgrade this database.
3170	The STANDBY filename is invalid.
3171	Cannot restore file %ls because the file is offline.
3172	Cannot restore filegroup %ls because the filegroup is offline.
3174	The file '%ls' cannot be moved by this RESTORE operation.
3175	The filegroup '%ls' cannot be restored because all of the files are not present in the backup set. File '%ls' is missing.
3176	File '%ls' is claimed by '%ls'(%d) and '%ls'(%d). The WITH MOVE clause can be used to relocate one or more files.
3177	Only members of the dbcreator and sysadmin roles can execute the %ls statement.
3178	File %ls is not in the correct state to have this differential backup applied to it.
3179	The system database cannot be moved by RESTORE.
3180	This backup cannot be restored using WITH STANDBY because a database upgrade is needed. Reissue the RESTORE without WITH STANDBY.

**Table 3–27: TSQL Error Codes - 3200 to 3299**

Error Code	Description
3201	Cannot open backup device '%ls'. Device error or device off-line. See the SQL Server error log for more details.
3202	Write on '%ls' failed, status = %ld. See the SQL Server error log for more details.
3203	Read on '%ls' failed, status = %ld. See the SQL Server error log for more details.
3204	Operator aborted backup or restore. See the error messages returned to the console for more details.
3205	Too many backup devices specified for backup or restore; only %d are allowed.
3206	No entry in sysdevices for backup device '%.*ls'. Update sysdevices and rerun statement.
3207	Backup or restore requires at least one backup device. Rerun your statement specifying a backup device.
3208	Unexpected end of file while reading beginning of backup set. Confirm that the media contains a valid SQL Server backup set, and see the console error log for more details.
3209	'%.*ls' is not a backup device. Check sysdevices.
3211	%d percent %hs.
3217	Invalid value specified for %ls parameter.
3221	The ReadFileEx system function executed on file '%ls' only read %d bytes, expected %d.
3222	The WriteFileEx system function executed on file '%ls' only wrote %d bytes, expected %d.
3224	Cannot create worker thread.
3227	The volume on device '%ls' is a duplicate of stripe set member %d.
3229	Request for device '%ls' timed out.
3230	Operation on device '%ls' exceeded retry count.
3234	Logical file '%.*ls' is not part of database '%ls'. Use RESTORE FILELISTONLY to list the logical file names.
3235	File '%ls' is not part of database '%ls'. You can only list files that are members of this database.
3237	Option not supported for Named Pipe-based backup sets.
3239	The backup set on device '%ls' uses a feature of the Microsoft Tape Format not supported by SQL Server.
3241	The media family on device '%ls' is incorrectly formed. SQL Server cannot process this media family.
3242	The file on device '%ls' is not a valid Microsoft Tape Format backup set.
3243	The media family on device '%ls' was created using Microsoft Tape Format version %d.%d. SQL Server supports version %d.%d.

Error Code	Description
3244	Descriptor block size exceeds %d bytes. Use a shorter name and/or description string and retry the operation.
3245	Could not convert a string to or from Unicode, %ls.
3246	The media family on device '%ls' is marked as nonappendable. Reissue the statement using the INIT option to overwrite the media.
3247	The volume on device '%ls' has the wrong media sequence number (%d). Remove it and insert volume %d.
3248	>>> VOLUME SWITCH <<< (not for output!)
3249	The volume on device '%ls' is a continuation volume for the backup set. Remove it and insert the volume holding the start of the backup set.
3250	The value '%d' is not within range for the %ls parameter.
3251	The media family on device '%ls' is complete. The device is now being reused for one of the remaining families.
3253	The block size parameter must supply a value that is a power of 2.
3254	The volume on device '%ls' is empty.
3255	The data set on device '%ls' is a SQL Server backup set not compatible with this version of SQL Server.
3256	The backup set on device '%ls' was terminated while it was being created and is incomplete. RESTORE sequence is terminated abnormally.
3257	There is insufficient free space on disk volume '%ls' to create the database. The database requires %l64u additional free bytes, while only %l64u bytes are available.
3258	The volume on device '%ls' belongs to a different media set.
3259	The volume on device '%ls' is not part of a multiple family media set. BACKUP WITH FORMAT can be used to form a new media set.
3260	An internal buffer has become full.
3261	SQL Server cannot use the virtual device configuration.
3262	The backup set is valid.
3263	Cannot use the volume on device '%ls' as a continuation volume. It is sequence number %d of family %d for the current media set. Insert a new volume, or sequence number %d of family %d for the current set.
3264	The operation did not proceed far enough to allow RESTART. Reissue the statement without the RESTART qualifier.
3265	The login has insufficient authority. Membership of the sysadmin role is required to use VIRTUAL_DEVICE with BACKUP or RESTORE.
3266	The backup data in '%ls' is incorrectly formatted. Backups cannot be appended, but existing backup sets may still be usable.
3267	Insufficient resources to create UMS scheduler.

Error Code	Description
3268	Cannot use the backup file '%ls' because it was originally formatted with sector size %d and is now on a device with sector size %d.
3269	Cannot restore the file '%ls' because it was originally written with sector size %d; '%ls' is now on a device with sector size %d.
3270	An internal consistency error occurred. Contact Technical Support for assistance.
3271	Nonrecoverable I/O error occurred on file '%ls'.
3272	The '%ls' device has a hardware sector size of %d, but the block size parameter specifies an incompatible override value of %d. Reissue the statement using a compatible block size.
3273	The BUFFERCOUNT parameter must supply a value that allows at least one buffer per backup device.
3274	Incorrect checksum computed for the backup set on device %ls. The backup set cannot be restored.
3275	I/O request 0x%08x failed I/O verification. See the error log for a description.
3276	WITH SNAPSHOT can be used only if the backup set was created WITH SNAPSHOT.
3277	WITH SNAPSHOT must be used with only one virtual device.
3278	Failed to encrypt string %ls
3279	Access is denied due to a password failure
3280	Backups on raw devices are not supported. '%ls' is a raw device.
3281	Released and initiated rewind on '%ls'.

**Table 3–28: TSQL Error Codes - 3300 to 3399**

Error Code	Description
3301	Invalid log record found in the transaction log (logop %d).
3313	Error while redoing logged operation in database '%.*ls'. Error at log record ID %S_LSN.
3314	Error while undoing logged operation in database '%.*ls'. Error at log record ID %S_LSN.
3315	During rollback, process %d was expected to hold mode %d lock at level %d for row %S_RID in database '%.*ls' under transaction %S_XID.

**Table 3–29: TSQL Error Codes - 3400 to 3499**

Error Code	Description
3405	Recovering database '%.*ls'.
3406	%d transactions rolled forward in database '%.*ls' (%d).
3407	%d transactions rolled back in database '%.*ls' (%d).
3408	Recovery complete.

Error Code	Description
3413	Database ID %d. Could not mark database as suspect. Getnext NC scan on sysdatabases.dbid failed.
3414	Database '%.*Is' (database ID %d) could not recover. Contact Technical Support.
3415	Database '%.*Is' is read-only or has read-only files and must be made writable before it can be upgraded.
3417	Cannot recover the master database. Exiting.
3429	Warning: The outcome of transaction %S_XID, named '%.*Is' in database '%.*Is' (database ID %d), could not be determined because the coordinating database (database ID %d) could not be opened. The transaction was assumed to be committed.
3430	Warning: Could not determine the outcome of transaction %S_XID, named '%.*Is' in database '%.*Is' (with ID %d) because the coordinating database (ID %d) did not contain the outcome. The transaction was assumed to be committed.
3431	Could not recover database '%.*Is' (database ID %d) due to unresolved transaction outcomes.
3432	Warning: syslanguages is missing.
3433	Name is truncated to '%.*Is'. The maximum name length is %d.
3434	Cannot change sort order or locale. Server shutting down. Restart SQL Server to continue with sort order unchanged.
3435	Sort order or locale cannot be changed because user objects or user databases exist.
3436	Cannot rebuild index for the '%.*Is' table in the '%.*Is' database.
3437	Error recovering database '%.*Is'. Could not connect to MSDTC to check the completion status of transaction %S_XID.
3438	Database '%.*Is' (database ID %d) failed to recover because transaction first LSN is not equal to LSN in checkpoint. Contact Technical Support.
3439	Database '%.*Is' (database ID %d). The DBCC RECOVERDB statement failed due to previous errors.
3440	Database '%.*Is' (database ID %d). The DBCC RECOVERDB statement can only be run after a RESTORE statement that used the WITH NORECOVERY option.
3441	Database '%.*Is' (database ID %d). The RESTORE statement could not access file '%Is'. Error was '%Is'.
3442	Database '%.*Is' (database ID %d). The size of the undo file is insufficient.
3443	Database '%.*Is' (database ID %d) was marked for standby or read-only use, but has been modified. The RESTORE LOG statement cannot be performed.
3445	File '%Is' is not a valid undo file for database '%.*Is', database ID %d.
3446	Primary log file is not available for database '%.*Is'. The log cannot be backed up.
3447	Could not activate or scan all of the log files for database '%.*Is'.

Error Code	Description
3448	Could not undo log record %S_LSN, for transaction ID %S_XID, on page %S_PGID, database '%. *Is' (database ID %d). Page information: LSN = %S_LSN, type = %ld. Log information: OpCode = %ld, context %ld.
3449	An error has occurred that requires SQL Server to shut down so that recovery can be performed on database ID %d.
3450	Recovery of database '%. *Is' (%d) is %d%% complete (approximately %d more seconds) (Phase %d of 3).
3451	Recovery has failed because reexecution of CREATE INDEX found inconsistencies between target filegroup '%Is' (%d) and source filegroup '%Is' (%d). Restore both filegroups before attempting further RESTORE LOG operations.
3452	Recovery of database '%. *Is' (%d) detected possible identity value inconsistency in table ID %d. Run DBCC CHECKIDENT ('%. *Is').
3453	This version cannot redo any index creation or non-logged operation done by SQL Server 7.0. Further roll forward is not possible.
3454	Recovery is checkpointing database '%. *Is' (%d)
3455	Analysis of database '%. *Is' (%d) is %d%% complete (approximately %d more seconds)
3456	Could not redo log record %S_LSN, for transaction ID %S_XID, on page %S_PGID, database '%. *Is' (%d). Page: LSN = %S_LSN, type = %ld. Log: OpCode = %ld, context %ld, PrevPageLSN: %S_LSN.

**Table 3–30: TSQL Error Codes - 3500 to 3599**

Error Code	Description
3501	Could not find row in sysdatabases for database ID %d at checkpoint time.
3505	Only the owner of database '%. *Is' can run the CHECKPOINT statement.
3508	Could not get an exclusive lock on the database '%. *Is'. Make sure that no other users are currently using this database, and rerun the CHECKPOINT statement.
3509	Could not set database '%. *Is' %Is read-only user mode because you could not exclusively lock the database.
3510	Database '%. *Is' cannot be changed from read-only because the primary and/or log file(s) are not writable.

**Table 3–31: TSQL Error Codes - 3600 to 3699**

Error Code	Description
3604	Duplicate key was ignored.
3605	Duplicate row was ignored.
3606	Arithmetic overflow occurred.
3607	Division by zero occurred.
3608	Cannot allocate a GUID for the token.

Error Code	Description
3612	%hsSQL Server Execution Times:%hs CPU time = %lu ms, elapsed time = %lu ms.
3613	SQL Server parse and compile time: %hs CPU time = %lu ms, elapsed time = %lu ms.
3615	Table '%.*ls'. Scan count %d, logical reads %d, physical reads %d, read-ahead reads %d.
3618	The transaction has been terminated.
3619	Could not write a CHECKPOINT record in database ID %d because the log is out of space.
3620	Automatic checkpointing is disabled in database '%.*ls' because the log is out of space. It will continue when the database owner successfully checkpoints the database. Free up some space or extend the database and then run the CHECKPOINT statement.
3621	The statement has been terminated.
3622	A domain error occurred.
3625	'%hs' is not yet implemented.
3627	Could not create worker thread.
3628	A floating point exception occurred in the user process. Current transaction is canceled.
3629	This SQL Server has been optimized for %d concurrent queries. This limit has been exceeded by %d queries and performance may be adversely affected.
3630	Concurrency violations since %ls% s 1 2 3 4 5 6 7 8 9 10-100 >100% s%6u%6u%6u%6u%6u%6u%6u%6u%8u%6u
3631	Concurrency violations will be written to the SQL Server error log.
3632	Concurrency violations will not be written to the SQL Server error log.

**Table 3–32: TSQL Error Codes - 3700 to 3799**

Error Code	Description
3701	Cannot %S_MSG the %S_MSG '%.*ls', because it does not exist in the system catalog.
3702	Cannot drop the %S_MSG '%.*ls' because it is currently in use.
3703	Cannot detach the %S_MSG '%.*ls' because it is currently in use.
3704	User does not have permission to perform this operation on %S_MSG '%.*ls'.
3705	Cannot use DROP %ls with '%.*ls' because '%.*ls' is a %S_MSG. Use DROP %ls.
3708	Cannot %S_MSG the %S_MSG '%.*ls' because it is a system %S_MSG.
3716	The %S_MSG '%.*ls' cannot be dropped because it is bound to one or more %S_MSG.



Error Code	Description
3718	Could not drop index '%.*Is' because the table or clustered index entry cannot be found in the sysindexes system table.
3723	An explicit DROP INDEX is not allowed on index '%.*Is'. It is being used for %Is constraint enforcement.
3724	Cannot %S_MSG the %S_MSG '%.*Is' because it is being used for replication.
3725	The constraint '%.*Is' is being referenced by table '%.*Is', foreign key constraint '%.*Is'.
3726	Could not drop object '%.*Is' because it is referenced by a FOREIGN KEY constraint.
3727	Could not drop constraint. See previous errors.
3728	'%.*Is' is not a constraint.
3729	Cannot %Is '%.*Is' because it is being referenced by object '%.*Is'.
3733	Constraint '%.*Is' does not belong to table '%.*Is'.
3736	Cannot drop the %S_MSG '%.*Is' because it is being used for distribution.
3737	Could not delete file '%Is'. See the SQL Server error log for more information.
3738	Deleting database file '%Is'.
3739	Cannot %Is the index '%.*Is' because it is not a statistics collection.
3740	Cannot drop the %S_MSG '%.*Is' because at least part of the table resides on a read-only filegroup.
3741	Cannot drop the %S_MSG '%.*Is' because at least part of the table resides on an offline filegroup.

**Table 3–33: TSQL Error Codes - 3900 to 3999**

Error Code	Description
3902	The COMMIT TRANSACTION request has no corresponding BEGIN TRANSACTION.
3903	The ROLLBACK TRANSACTION request has no corresponding BEGIN TRANSACTION.
3904	Cannot unsplit logical page %S_PGID in object '%.*Is', in database '%.*Is'. Both pages together contain more data than will fit on one page.
3906	Could not run BEGIN TRANSACTION in database '%.*Is' because the database is read-only.
3908	Could not run BEGIN TRANSACTION in database '%.*Is' because the database is in bypass recovery mode.
3909	Session binding token is invalid.
3910	Transaction context in use by another session.
3912	Cannot bind using an XP token while the server is not in an XP call.

Error Code	Description
3914	The data type '%s' is invalid for transaction names or savepoint names. Allowed data types are char, varchar, nchar, or nvarchar.
3915	Cannot use the ROLLBACK statement within an INSERT-EXEC statement.
3916	Cannot use the COMMIT statement within an INSERT-EXEC statement unless BEGIN TRANSACTION is used first.
3917	Session is bound to a transaction context that is in use. Other statements in the batch were ignored.
3918	Statement must be executed in the context of a user transaction.
3919	Cannot enlist in the transaction because the transaction has already been committed or rolled back.
3920	The WITH MARK option only applies to the first BEGIN TRAN WITH MARK statement. The option is ignored.
3921	Cannot get a transaction token if there is no transaction active. Reissue the statement after a transaction has been started
3922	Cannot enlist in the transaction because the transaction does not exist.
3923	Cannot use transaction marks on database '%.*Is' with bulk-logged operations that have not been backed up. The mark is ignored.
3924	The session was enlisted in an active user transaction while trying to bind to a new transaction. The session has defected from the previous user transaction.
3925	Invalid transaction mark name. The 'LSN:' prefix is reserved.
3926	The transaction active in this session has been committed or aborted by another session.
3927	The session had an active transaction when it tried to enlist in a Distributed Transaction Coordinator transaction.
3928	The marked transaction '%.*Is' failed. A Deadlock was encountered while attempting to place the mark in the log.

**Table 3–34: TSQL Error Codes - 4000 to 4099**

Error Code	Description
4003	ODS error. Server is terminating this connection.
4004	Unicode data in a Unicode-only collation or ntext data cannot be sent to clients using DB-Library (such as ISQL) or ODBC version 3.7 or earlier.
4015	Language requested in login '%.*Is' is not an official name on this SQL Server. Using server-wide default '%.*Is' instead.
4016	Language requested in 'login '%.*Is' is not an official name on this SQL Server. Using user default '%.*Is' instead.
4017	Neither the language requested in 'login '%.*Is' nor user default language '%.*Is' is an official language name on this SQL Server. Using server-wide default '%.*Is' instead.

Error Code	Description
4018	User default language %.*ls is not an official language name on this SQL Server. Using server-wide default %.*ls instead.
4019	Language requested in login '%.*ls' is not an official language name on this SQL Server. Login fails.
4020	Default date order '%.*ls' for language %.*ls is invalid. Using mdy instead.
4027	Mount tape for %hs of database '%ls'.
4028	End of tape has been reached. Remove tape '%ls' and mount next tape for %hs of database '%ls'.
4030	The medium on device '%ls' expires on %hs and cannot be overwritten.
4035	Processed %d pages for database '%ls', file '%ls' on file %d.
4037	User-specified volume ID '%ls' does not match the volume ID '%ls' of the device '%ls'.
4038	Cannot find file ID %d on device '%ls'.
4060	Cannot open database requested in login '%.*ls'. Login fails.
4061	Cannot open either database requested in login (%.*ls) or user default database. Using master database instead.
4062	Cannot open user default database. Using master database instead.
4063	Cannot open database requested in login (%.*ls). Using user default '%.*ls' instead.
4064	Cannot open user default database. Login failed.

**Table 3–35: TSQL Error Codes - 4200 to 4299**

Error Code	Description
4208	The statement %hs is not allowed while the recovery model is SIMPLE. Use BACKUP DATABASE or change the recovery model using ALTER DATABASE.
4212	Cannot back up the log of the master database. Use BACKUP DATABASE instead.
4214	There is no current database backup. This log backup cannot be used to roll forward a preceding database backup.
4215	The log was not truncated because records at the beginning of the log are pending replication. Ensure the Log Reader Agent is running or use sp_repldone to mark transactions as distributed.
4216	Minimally logged operations cannot be backed up when the database is unavailable.
4217	BACKUP LOG cannot modify the database because database is read-only. The backup will continue, although subsequent backups will duplicate the work of this backup.

**Table 3–36: TSQL Error Codes - 4300 to 4399**

Error Code	Description
4301	Database in use. The system administrator must have exclusive use of the database to restore the log.
4304	A USER ATTENTION signal raised during RESTORE LOG is being ignored until the current restore completes.
4305	The log in this backup set begins at LSN %.*ls, which is too late to apply to the database. An earlier log backup that includes LSN %.*ls can be restored.
4306	The preceding restore operation did not specify WITH NORECOVERY or WITH STANDBY. Restart the restore sequence, specifying WITH NORECOVERY or WITH STANDBY for all but the final step.
4316	Can only RESTORE LOG in the master database if SQL Server is in single user mode.
4318	File '%ls' has been rolled forward to LSN %.*ls. This log terminates at LSN %.*ls, which is too early to apply the WITH RECOVERY option. Reissue the RESTORE LOG statement WITH NORECOVERY.
4320	File '%ls' was only partially restored by a database or file restore. The entire file must be successfully restored before applying the log.
4322	This log file contains records logged before the designated point-in-time. The database is being left in load state so you can apply another log file.
4323	The database is marked suspect. Transaction logs cannot be restored. Use RESTORE DATABASE to recover the database.
4324	Backup history older than %ls has been deleted.
4325	Could not delete entries for backup set ID '%ls'.
4326	The log in this backup set terminates at LSN %.*ls, which is too early to apply to the database. A more recent log backup that includes LSN %.*ls can be restored.
4327	The log in this backup set contains minimally logged changes. Point-in-time recovery is inhibited. RESTORE will roll forward to end of logs without recovering the database.
4328	File '%ls' is missing. Rollforward stops at log sequence number %.*ls. File is created at LSN %.*ls, dropped at LSN %.*ls. Restore transaction log beyond beyond point in time when file was dropped or restore data to be consistent with rest of database.
4329	This log file contains records logged before the designated mark. The database is being left in load state so you can apply another log file.
4330	The log in this backup set cannot be applied because it is on a recovery path inconsistent with the database.
4331	The database cannot be recovered because the files have been restored to inconsistent points in time.
4332	RESTORE LOG has been halted. To use the database in its current state, run RESTORE DATABASE %ls WITH RECOVERY.
4333	The database cannot be recovered because the log was not restored.

Error Code	Description
4334	The named mark does not identify a valid LSN.

**Table 3–37: TSQL Error Codes - 4400 to 4499**

Error Code	Description
4403	View or function '%.*Is' is not updatable because it contains aggregates.
4404	View or function '%.*Is' is not updatable because the definition contains the DISTINCT clause.
4405	View or function '%.*Is' is not updatable because the modification affects multiple base tables.
4406	Update or insert of view or function '%.*Is' failed because it contains a derived or constant field.
4408	The query and the views or functions in it exceed the limit of %d tables.
4413	Could not use view or function '%.*Is' because of binding errors.
4414	Could not allocate ancillary table for view or function resolution. The maximum number of tables in a query (%d) was exceeded.
4415	View '%.*Is' is not updatable because either it was created WITH CHECK OPTION or it spans a view created WITH CHECK OPTION and the target table is referenced multiple times in the resulting query.
4416	UNION ALL view '%.*Is' is not updatable because the definition contains a disallowed construct.
4417	Derived table '%.*Is' is not updatable because the definition contains a UNION operator.
4418	Derived table '%.*Is' is not updatable because it contains aggregates.
4419	Derived table '%.*Is' is not updatable because the definition contains the DISTINCT clause.
4420	Derived table '%.*Is' is not updatable because the modification affects multiple base tables.
4421	Derived table '%.*Is' is not updatable because a column of the derived table is derived or constant.
4422	View '%.*Is' has an INSTEAD OF UPDATE trigger and cannot be a target of an UPDATE FROM statement.
4423	View '%.*Is' has an INSTEAD OF DELETE trigger and cannot be a target of a DELETE FROM statement.
4424	Joined tables cannot be specified in a query containing outer join operators. View or function '%.*Is' contains joined tables.
4425	Cannot specify outer join operators in a query containing joined tables. View or function '%.*Is' contains outer join operators.
4427	The view or function '%.*Is' is not updatable because the definition contains the TOP clause.

Error Code	Description
4428	The derived table '%.*Is' is not updatable because the definition contains the TOP clause.
4429	View or function '%.*Is' contains a self-reference. Views or functions cannot reference themselves directly or indirectly.
4430	Warning: Index hints supplied for view '%.*Is' will be ignored.
4431	Partitioned view '%.*Is' is not updatable because table '%.*Is' has a timestamp column.
4432	Partitioned view '%.*Is' is not updatable because table '%.*Is' has a DEFAULT constraint.
4433	Cannot INSERT into partitioned view '%.*Is' because table '%.*Is' has an IDENTITY constraint.
4434	Partitioned view '%.*Is' is not updatable because table '%.*Is' has an INSTEAD OF trigger.
4435	Partitioned view '%.*Is' is not updatable because a value was not specified for partitioning column '%.*Is'.
4436	UNION ALL view '%.*Is' is not updatable because a partitioning column was not found.
4437	Partitioned view '%.*Is' is not updatable as the target of a bulk operation.
4438	Partitioned view '%.*Is' is not updatable because it does not deliver all columns from its member tables.
4439	Partitioned view '%.*Is' is not updatable because the source query contains references to partition table '%.*Is'.
4440	UNION ALL view '%.*Is' is not updatable because a primary key was not found on table '%.*Is'.
4441	Partitioned view '%.*Is' is not updatable because the table '%.*Is' has an index on a computed column.
4442	UNION ALL view '%.*Is' is not updatable because base table '%.*Is' is used multiple times.
4443	UNION ALL view '%.*Is' is not updatable because column '%.*Is' of base table '%.*Is' is used multiple times.
4444	UNION ALL view '%.*Is' is not updatable because the primary key of table '%.*Is' is not included in the union result.
4445	UNION ALL view '%.*Is' is not updatable because the primary key of table '%.*Is' is not unioned with primary keys of preceding tables.
4446	UNION ALL view '%.*Is' is not updatable because the definition of column '%.*Is' of view '%.*Is' is used by another view column.
4447	View '%.*Is' is not updatable because the definition contains a set operator.
4448	Cannot INSERT into partitioned view '%.*Is' because values were not supplied for all columns.
4449	Using defaults is not allowed in views that contain a set operator.

Error Code	Description
4450	Cannot update partitioned view '%.*s' because the definition of the view column '%.*s' in table '%.*s' has a IDENTITY constraint.
4451	Views referencing tables on multiple servers are not updatable on this SKU of SQL Server.
4452	Cannot UPDATE partitioning column '%.*s' of view '%.*s' because the table '%.*s' has a CASCADE DELETE or CASCADE UPDATE constraint.
4453	Cannot UPDATE partitioning column '%.*s' of view '%.*s' because the table '%.*s' has a INSERT, UPDATE or DELETE trigger.

**Table 3–38: TSQL Error Codes - 4500 to 4599**

Error Code	Description
4501	View or function '%.*s' has more columns defined than column names given.
4502	View or function '%.*s' has more column names specified than columns defined.
4505	CREATE VIEW failed because column '%.*s' in view '%.*s' exceeds the maximum of %d columns.
4506	Column names in each view or function must be unique. Column name '%.*s' in view or function '%.*s' is specified more than once.
4508	Views or functions are not allowed on temporary tables. Table names that begin with '#' denote temporary tables.
4509	Could not perform CREATE VIEW because WITH %ls was specified and the view contains set operators.
4510	Could not perform CREATE VIEW because WITH %ls was specified and the view is not updatable.
4511	Create View or Function failed because no column name was specified for column %d.
4512	Cannot schema bind %S_MSG '%.*s' because name '%.*s' is invalid for schema binding. Names must be in two-part format and an object cannot reference itself.
4513	Cannot schema bind %S_MSG '%.*s'. '%.*s' is not schema bound.
4514	CREATE FUNCTION failed because a column name is not specified for column %d.
4515	CREATE FUNCTION failed because column '%.*s' in function '%.*s' exceeds the maximum of %d columns.
4516	Cannot schema bind function '%.*s' because it contains an EXECUTE statement.

**Table 3–39: TSQL Error Codes - 4600 to 4699**

Error Code	Description
4602	Only members of the sysadmin role can grant or revoke the CREATE DATABASE permission.
4604	There is no such user or group '%.*ls'.
4606	Granted or revoked privilege %ls is not compatible with object.
4610	You can only grant or revoke permissions on objects in the current database.
4611	To revoke grantable privileges, specify the CASCADE option with REVOKE.
4613	Grantor does not have GRANT permission.
4615	Invalid column name '%.*ls'.
4617	Cannot grant, deny or revoke permissions to or from special roles.
4618	You do not have permission to use '%.*ls' in the AS clause.
4619	CREATE DATABASE permission can only be granted in the master database.

**Table 3–40: TSQL Error Codes - 4700 to 4799**

Error Code	Description
4701	Could not truncate table '%.*ls' because this table does not exist in database '%.*ls'.
4706	Could not truncate table '%.*ls' because there is not enough room in the log to record the deallocation of all the index and data pages.
4707	Could not truncate object '%.*ls' because it or one of its indexes resides on a READONLY filegroup.
4708	Could not truncate object '%.*ls' because it is not a table.
4709	You are not allowed to truncate the system table '%.*ls'.
4711	Cannot truncate table '%.*ls' because it is published for replication.
4712	Cannot truncate table '%.*ls' because it is being referenced by a FOREIGN KEY constraint.

**Table 3–41: TSQL Error Codes - 4800 to 4899**

Error Code	Description
4803	Received invalid row length %d from bcp client. Maximum row size is %d.
4804	Premature end-of-message while reading current row from host. Host program may have terminated.
4805	The front-end tool you are using does not support the feature of bulk insert from host. Use the proper tools for this command.
4807	Received invalid row length %d from bcp client. Minimum row size is %d.
4808	Bulk copy operations cannot trigger BULK INSERT statements.



Error Code	Description
4810	Expected the TEXT token in data stream for bulk copy of text or image data.
4811	Expected the column offset in data stream for bulk copy of text or image data.
4812	Expected the row offset in data stream for bulk copy of text or image data.
4813	Expected the text length in data stream for bulk copy of text, ntext, or image data.
4815	Received invalid column length from bcp client.
4817	Could not bulk insert. Invalid sorted column '%.*ls'. Assuming data stream is not sorted.
4818	Could not bulk insert. Sorted column '%.*ls' was specified more than once. Assuming data stream is not sorted.
4819	Could not bulk insert. Bulk data stream was incorrectly specified as sorted.
4820	Could not bulk insert. Unknown version of format file '%s'.
4821	Could not bulk insert. Error reading the number of columns from format file '%s'.
4822	Could not bulk insert. Invalid number of columns in format file '%s'.
4823	Could not bulk insert. Invalid column number in format file '%s'.
4824	Could not bulk insert. Invalid data type for column number %d in format file '%s'.
4825	Could not bulk insert. Invalid prefix for column number %d in format file '%s'.
4826	Could not bulk insert. Invalid column length for column number %d in format file '%s'.
4827	Could not bulk insert. Invalid column terminator for column number %d in format file '%s'.
4828	Could not bulk insert. Invalid destination table column number for source column %d in format file '%s'.
4829	Could not bulk insert. Error reading destination table column name for source column %d in format file '%s'.
4830	Bulk Insert: DataFileType was incorrectly specified as char. DataFileType will be assumed to be widechar because the data file has a Unicode signature.
4831	Bulk Insert: DataFileType was incorrectly specified as widechar. DataFileType will be assumed to be char because the data file does not have a Unicode signature.
4832	Bulk Insert: Unexpected end-of-file (EOF) encountered in data file.
4833	Bulk Insert: Version mismatch between the provider dynamic link library and the server executable.
4834	You do not have permission to use the BULK INSERT statement.
4835	Bulk copying into a table with computed columns is not supported for downlevel clients.
4837	Error: Cannot bulk copy into a table '%s' enabled for immediate-updating subscriptions

Error Code	Description
4838	The bulk data source does not support the SQLNUMERIC or SQLDECIMAL data types.
4839	Cannot perform bulk insert. Invalid collation name for source column %d in format file '%s'.
4840	The bulk data source provider string has an invalid %ls property value %ls.
4841	The data source name is not a simple object name.
4842	The required FormatFile property is missing from the provider string of the server.
4843	The bulk data source provider string has a syntax error ('%lc') near character position %d.
4844	The bulk data source provider string has an unsupported property name (%ls).
4845	The bulk data source provider string has a syntax error near character position %d. Expected '%lc', but found '%lc'.
4846	The bulk data provider failed to allocate memory.
4847	Bulk copying into a table with bigint columns is not supported for versions earlier than SQL Server 2000.
4848	Bulk copying into a table with sql_variant columns is not supported for versions earlier than SQL Server 2000.
4849	Could not import table '%ls'. Error %d.
4850	Data import: Table '%ls' is already locked by another user.
4851	Data import: Table '%ls' already has data. Skipping to next table.
4852	Data import: Table '%ls' does not exist or it is not a user table.
4853	%hs
4854	%hs
4860	Could not bulk insert. File '%ls' does not exist.
4861	Could not bulk insert because file '%ls' could not be opened. Operating system error code %ls.
4862	Could not bulk insert because file '%ls' could not be read. Operating system error code %ls.
4863	Bulk insert data conversion error (truncation) for row %d, column %d (%ls).
4864	Bulk insert data conversion error (type mismatch) for row %d, column %d (%ls).
4865	Could not bulk insert because the maximum number of errors (%d) was exceeded.
4866	Bulk Insert fails. Column is too long in the data file for row %d, column %d. Make sure the field terminator and row terminator are specified correctly.
4867	Bulk insert data conversion error (overflow) for row %d, column %d (%ls).
4868	Bulk Insert fails. Codepage '%d' is not installed. Install the codepage and run the command again.

Error Code	Description
4869	Bulk Insert failed. Unexpected NULL value in data file row %d, column %d. Destination column (%ls) is defined NOT NULL.
4880	Could not bulk insert. When using the FIRSTROW and LASTROW parameters, the value for FIRSTROW cannot be greater than the value for LASTROW.
4881	Note: Bulk Insert through a view may result in base table default values being ignored for NULL columns in the data file.
4882	Could not bulk insert. Prefix length, field length, or terminator required for source column %d in format file '%s'.

**Table 3–42: TSQL Error Codes - 4900 to 4999**

Error Code	Description
4901	ALTER TABLE only allows columns to be added that can contain nulls or have a DEFAULT definition specified. Column '%.*ls' cannot be added to table '%.*ls' because it does not allow nulls and does not specify a DEFAULT definition.
4902	Cannot alter table '%.*ls' because this table does not exist in database '%.*ls'.
4909	Cannot alter '%.*ls' because it is not a table.
4910	Only the owner or members of the sysadmin role can alter table '%.*ls'.
4916	Could not enable or disable the constraint. See previous errors.
4917	Constraint '%.*ls' does not exist.
4920	ALTER TABLE failed because trigger '%.*ls' on table '%.*ls' does not exist.
4921	ALTER TABLE failed because trigger '%.*ls' does not belong to table '%.*ls'.
4922	%ls %.*ls failed because one or more objects access this column.
4923	ALTER TABLE DROP COLUMN failed because '%.*ls' is the only data column in table '%.*ls'. A table must have at least one data column.
4924	%ls failed because column '%.*ls' does not exist in table '%.*ls'.
4925	ALTER TABLE ALTER COLUMN ADD ROWGUIDCOL failed because a column already exists in table '%.*ls' with ROWGUIDCOL property.
4926	ALTER TABLE ALTER COLUMN DROP ROWGUIDCOL failed because a column does not exist in table '%.*ls' with ROWGUIDCOL property.
4927	Cannot alter column '%.*ls' to be data type %.*ls.
4928	Cannot alter column '%.*ls' because it is '%ls'.
4929	Cannot alter the %S_MSG '%.*ls' because it is being published for replication.
4930	Warning: Columns added to the replicated table %S_MSG '%.*ls' will be ignored by existing articles.
4931	Cannot add columns to %S_MSG '%.*ls' because it is being published for merge replication.
4932	ALTER TABLE DROP COLUMN failed because '%.*ls' is currently replicated.

**Table 3–43: TSQL Error Codes - 5000 to 5099**

Error Code	Description
5001	User must be in the master database.
5002	Database '%.*Is' does not exist. Check sysdatabases.
5004	To use ALTER DATABASE, the database must be in a writable state in which a checkpoint can be executed.
5005	Extending database by %.2f MB on disk '%.*Is'.
5006	Could not get exclusive use of %S_MSG '%.*Is' to perform the requested operation.
5008	This ALTER DATABASE statement is not supported.
5009	ALTER DATABASE failed. Some disk names listed in the statement were not found. Check that the names exist and are spelled correctly before rerunning the statement.
5010	Log file name cannot be generated from a raw device. The log file name and path must be specified.
5011	User does not have permission to alter database '%.*Is'.
5012	The name of the primary filegroup cannot be changed.
5013	The master and model databases cannot have files added to them. ALTER DATABASE was aborted.
5014	The %S_MSG '%.*Is' does not exist in database '%.*Is'.
5015	ALTER DATABASE failed. The total size specified must be 1 MB or greater.
5016	System databases master, model, and tempdb cannot have their names changed.
5017	ALTER DATABASE failed. Database '%.*Is' was not created with 'FOR LOAD' option.
5018	File '%.*Is' modified in sysaltfiles. Delete old file after restarting SQL Server.
5019	Cannot find entry in sysaltfiles for file '%.*Is'.
5020	The primary data or log file cannot be removed from a database.
5021	The %S_MSG name '%.*Is' has been set.
5022	Log file '%Is' for this database is already active.
5023	Database must be put in bypass recovery mode to rebuild the log.
5024	No entry found for the primary log file in sysfiles1. Could not rebuild the log.
5025	The file '%Is' already exists. It should be renamed or deleted so that a new log file can be created.
5026	Could not create a new log file with file '%.*Is'. See previous errors.
5027	System databases master, model, and tempdb cannot have their logs rebuilt.
5028	The system could not activate enough of the database to rebuild the log.
5029	Warning: The log for database '%.*Is' has been rebuilt. Transactional consistency has been lost. DBCC CHECKDB should be run to validate physical consistency. Database options will have to be reset, and extra log files may need to be deleted.

Error Code	Description
5030	The database could not be exclusively locked to perform the operation.
5031	Cannot remove the file '%.*s' because it is the only file in the DEFAULT filegroup.
5032	The file cannot be shrunk below page %ud until the log is backed up because it contains bulk logged pages.
5035	Filegroup '%.*s' already exists in this database.
5036	MODIFY FILE failed. Specify logical name.
5037	MODIFY FILE failed. Do not specify physical name.
5038	MODIFY FILE failed for file "%.*s". At least one property per file must be specified.
5039	MODIFY FILE failed. Specified size is less than current size.
5040	MODIFY FILE failed. Size is greater than MAXSIZE.
5041	MODIFY FILE failed. File '%.*s' does not exist.
5042	The %S_MSG '%.*s' cannot be removed because it is not empty.
5043	The %S_MSG '%.*s' cannot be found in %ls.
5044	The %S_MSG '%.*s' has been removed.
5045	The %S_MSG already has the '%ls' property set.
5046	The %S_MSG property '%ls' has been set.
5047	Cannot change the READONLY property of the PRIMARY filegroup.
5048	Cannot add, remove, or modify files in filegroup '%.*s'. The filegroup is read-only.
5049	Cannot extend file '%ls' using this syntax as it was not created with DISK INIT. Use ALTER DATABASE MODIFY FILE.
5050	Cannot change the properties of empty filegroup '%.*s'. The filegroup must contain at least one file.
5051	Cannot have a filegroup with the name 'DEFAULT'.
5053	The maximum of %ld filegroups per database has been exceeded.
5054	Could not cleanup worktable IAM chains to allow shrink or remove file operation. Please try again when tempdb is idle.
5055	Cannot add, remove, or modify file '%.*s'. The file is read-only.
5056	Cannot add, remove, or modify a file in filegroup '%.*s' because the filegroup is offline.
5057	Cannot add, remove, or modify file '%.*s' because it is offline.
5058	Option '%.*s' cannot be set in database '%.*s'.
5059	Database '%.*s' is in transition. Try the ALTER DATABASE statement later.
5060	Nonqualified transactions are being rolled back. Estimated rollback completion: %d%%.
5061	ALTER DATABASE failed because a lock could not be placed on database '%.*s'. Try again later.

Error Code	Description
5062	Option '%.*ls' cannot be set at the same time as another option setting.
5063	Database '%.*ls' is in warm standby. A warm-standby database is read-only.
5064	Changes to the state or options of database '%.*ls' cannot be made at this time. The database is in single-user mode, and a user is currently connected to it.
5065	Database '%.*ls' cannot be opened.
5066	Database options single user and dbo use only cannot be set at the same time.
5068	Failed to restart the current database. The current database is switched to master.
5069	ALTER DATABASE statement failed.
5070	Database state cannot be changed while other users are using the database '%.*ls'
5072	ALTER DATABASE failed. The default collation of database '%.*ls' cannot be set to %.*ls.
5073	Cannot alter collation for database '%ls' because it is READONLY, OFFLINE, or marked SUSPECT.
5074	The %S_MSG '%.*ls' is dependent on %S_MSG '%.*ls'.
5075	The %S_MSG '%.*ls' is dependent on %S_MSG.
5076	Warning: Changing default collation for database '%.*ls', which is used in replication. It is recommend that all replication database have the same default collation.

**Table 3–44: TSQL Error Codes - 5100 to 5199**

Error Code	Description
5101	You must supply parameters for the DISK %hs statement. Usage: %hs.
5102	No such statement DISK %.*ls.
5103	MAXSIZE cannot be less than SIZE for file '%ls'.
5104	File '%.*ls' already used.
5105	Device activation error. The physical file name '%.*ls' may be incorrect.
5106	Parameter '%hs' requires value of data type '%hs'.
5107	Value is wrong data type for parameter '%hs' (requires data type '%hs').
5108	Log file '%.*ls' does not match the primary file. It may be from a different database or the log may have been rebuilt previously.
5109	No such parameter '%.*ls'.
5110	File '%.*ls' is on a network device not supported for database files.
5116	You do not have permission to run DISK statements.
5117	Could not run DISK statement. You must be in the master database to run this statement.
5122	Each disk file size must be greater than or equal to 1 MB.

Error Code	Description
5123	CREATE FILE encountered operating system error %ls while attempting to open or create the physical file '%.*ls'.
5126	The logical device '%.*ls' does not exist in sysdevices.
5146	The %hs of %d is out of range. It must be between %d and %d.
5148	Could not set the file size to the desired amount. The operating system file size limit may have been reached.
5149	MODIFY FILE encountered operating system error %ls while attempting to expand the physical file.
5150	The size of a single log file must not be greater than 2 TB.
5151	The %hs statement is obsolete and no longer supported.
5157	I/O error encountered in the writelog system function during backout.
5158	Warning: Media in device '%.*ls' may have been changed.
5159	Operating system error %.*ls on device '%.*ls' during %ls.
5160	Cannot take '%.*ls' offline because the database is in use.
5162	Cannot find '%.*ls' in sysdatabases.
5163	Cannot open '%.*ls' to take offline.
5164	Usage: DBCC DBCONTROL(dbname,ONLINE OFFLINE)
5165	Cannot explicitly open or close master database.
5167	Database '%.*ls' is already offline.
5168	File '%.*ls' is on a network drive, which is not allowed.
5169	FILEGROWTH cannot be greater than MAXSIZE for file '%.*ls'.
5170	Cannot create file '%ls' because it already exists.
5171	%.*ls is not a primary database file.
5172	The header for file '%ls' is not a valid database file header. The %ls property is incorrect.
5173	Cannot associate files with different databases.
5174	Each file size must be greater than or equal to 512 KB.
5175	The file '%.*ls' has been expanded to prevent recovery from failing. Contact the system administrator for further assistance.
5176	The file '%.*ls' has been expanded beyond its maximum size to prevent recovery from failing. Contact the system administrator for further assistance.
5177	Encountered an unexpected error while checking the sector size for file '%.*ls'. Check the SQL Server error log for more information.
5178	Cannot use file '%.*ls' because it was originally formatted with sector size %d and is now on a device with sector size %d.
5179	Cannot use file '%.*ls', which is on a device with sector size %d. SQL Server supports a maximum sector size of 4096 bytes.

Error Code	Description
5180	Could not open FCB for invalid file ID %d in database '%.*ls'.
5181	Could not restart database '%.*ls'. Reverting back to old status.
5182	New log file '%.*ls' was created.
5183	File '%ls' cannot be created. Use WITH MOVE to specify a usable physical file name.
5184	Cannot use file '%.*ls' for clustered server. Only formatted files on which the cluster resource of the server has a dependency can be used.

**Table 3–45: TSQL Error Codes - 5700 to 5799**

Error Code	Description
5701	Changed database context to '%.*ls'.
5702	SQL Server is terminating this process.
5703	Changed language setting to '%.*ls'.

**Table 3–46: TSQL Error Codes - 5800 to 5899**

Error Code	Description
5803	Unknown config number (%d) in sysconfigures.
5804	Character set, sort order, or collation cannot be changed because at least one database is not writable.
5805	Too few locks specified. Minimum %d.
5807	Recovery intervals above %d minutes not recommended. Use the RECONFIGURE WITH OVERRIDE statement to force this configuration.
5808	Ad hoc updates to system catalogs not recommended. Use the RECONFIGURE WITH OVERRIDE statement to force this configuration.
5809	Average time slices above %d milliseconds not recommended. Use the RECONFIGURE WITH OVERRIDE statement to force this configuration.
5810	Valid values for the fill factor are 0 to 100.
5812	You do not have permission to run the RECONFIGURE statement.
5823	Cannot reconfigure SQL Server to use sort order ID %d, because the row for that sort order does not exist in syscharsets.
5828	User connections are limited to %d.
5829	The specified user options value is invalid.
5830	The default collation for SQL Server has been reconfigured. Restart SQL Server to rebuild the table indexes on columns of character data types.
5831	Minimum server memory value (%d) must be less than or equal to the maximum value (%d).



**Table 3–47: TSQL Error Codes - 5900 to 5999**

Error Code	Description
5904	Background checkpoint process suspended until locks are available.

**Table 3–48: TSQL Error Codes - 6000 to 6099**

Error Code	Description
6001	SHUTDOWN is waiting for %d process(es) to complete.
6002	SHUTDOWN is in progress. Log off.
6004	User does not have permission to perform this action.
6005	SHUTDOWN is in progress.
6006	Server shut down by request.
6007	The SHUTDOWN statement cannot be executed within a transaction or by a stored procedure.

**Table 3–49: TSQL Error Codes - 6100 to 6199**

Error Code	Description
6101	Process ID %d is not a valid process ID. Choose a number between 1 and %d.
6102	User does not have permission to use the KILL statement.
6103	Could not do cleanup for the killed process. Received message %d.
6104	Cannot use KILL to kill your own process.
6106	Process ID %d is not an active process ID.
6107	Only user processes can be killed.
6108	KILL SPID WITH COMMIT/ABORT is not supported by Microsoft SQL Server 2000. Use Microsoft Distributed Transaction Coordinator to resolve distributed transactions.
6109	SPID %d: transaction rollback in progress. Estimated rollback completion: %d%%. Estimated time remaining: %d seconds.
6110	The distributed transaction with UOW %s does not exist.
6111	Another user has decided a different outcome for the distributed transaction associated with UOW %s.
6112	Distributed transaction with UOW %s is in prepared state. Only Microsoft Distributed Transaction Coordinator can resolve this transaction. KILL command failed.
6113	The distributed transaction associated with UOW %s is in PREPARE state. Use KILL UOW WITH COMMIT/ABORT syntax to kill the transaction instead.
6114	Distributed transaction with UOW %s is being used by another user. KILL command failed.
6115	KILL command cannot be used inside user transactions.

Error Code	Description
6116	KILL command failed.
6117	There is a connection associated with the distributed transaction with UOW %s. First, kill the connection using KILL SPID syntax.
6118	The distributed transaction associated with UOW %s is not in PREPARED state. Use KILL UOW to kill the transaction instead.
6119	Distributed transaction with UOW %s is rolling back: estimated rollback completion: %d%%, estimated time left %d seconds.
6120	Status report cannot be obtained. Rollback operation for Process ID %d is not in progress.
6121	Status report cannot be obtained. Rollback operation for UOW %s is not in progress.

**Table 3–50: TSQL Error Codes - 6400 to 6499**

Error Code	Description
6401	Cannot roll back %.*ls. No transaction or savepoint of that name was found.

**Table 3–51: TSQL Error Codes - 6600 to 6799**

Error Code	Description
6600	XML error: %.*ls
6601	XML parser returned the error code %d from line number %d, source '%.*ls'.
6602	The error description is '%.*ls'.
6603	XML parsing error: %.*ls
6604	XML stored procedures are not supported in fibers mode.
6605	%.*ls: Failed to obtain an IPersistStream interface on the XML text.
6606	%.*ls: Failed to save the XML text stream. The server resources may be too low.
6607	%.*ls: The value supplied for parameter number %d is invalid.
6608	Failed to instantiate class '%ls'. Make sure Msxml2.dll exists in the SQL Server installation.
6609	Column '%ls' contains an invalid data type. Valid data types are char, varchar, nchar, nvarchar, text, and ntext.
6610	Failed to load Msxml2.dll.
6612	Invalid data type for the column indicated by the parameter '%ls'. Valid data types are int, bigint, smallint, and tinyint.
6613	Specified value '%ls' already exists.
6614	Value specified for column '%ls' is the same for column '%ls'. An element cannot be its own parent.
6615	Invalid data type is specified for column '%ls'. Valid data types are int, bigint, smallint, and tinyint.

Error Code	Description
6616	Parameter '%ls' is required when the parent of the element to be added is missing and must be inserted.
6617	The specified edge table has an invalid format. Column '%ls' is missing or has an invalid data type.
6618	Column '%ls' in the specified edge table has an invalid or null value.
6619	XML node of type %d named '%ls' cannot be created .
6620	XML attribute or element cannot be created for column '%ls'.
6621	XML encoding or decoding error occurred with object name '%.*ls'.
6622	Invalid data type for column '%ls'. Data type cannot be text, ntext, image, or binary.
6623	Column '%ls' contains an invalid data type. Valid data types are char, varchar, nchar, and nvarchar.
6624	XML document could not be created because server memory is low. Use sp_xml_removedocument to release XML documents.

**Table 3–52: TSQL Error Codes - 6800 to 6899**

Error Code	Description
6800	FOR XML AUTO requires at least one table for generating XML tags. Use FOR XML RAW or add a FROM clause with a table name.
6801	FOR XML EXPLICIT requires at least three columns, including the tag column, the parent column, and at least one data column.
6802	FOR XML EXPLICIT query contains the invalid column name '%.*ls'. Use the TAGNAME!TAGID!ATTRIBUTENAME[!..] format where TAGID is a positive integer.
6803	FOR XML EXPLICIT requires the first column to hold positive integers that represent XML tag IDs.
6804	FOR XML EXPLICIT requires the second column to hold NULL or nonnegative integers that represent XML parent tag IDs.
6805	FOR XML EXPLICIT stack overflow occurred. Circular parent tag relationships are not allowed.
6806	Undeclared tag ID %d is used in a FOR XML EXPLICIT query.
6807	Undeclared parent tag ID %d is used in a FOR XML EXPLICIT query.
6808	XML tag ID %d could not be added. The server memory resources may be low.
6809	Unnamed column or table names cannot be used as XML identifiers. Name unnamed columns using AS in the SELECT statement.
6810	Column name '%.*ls' is repeated. The same attribute cannot be generated more than once on the same XML tag.
6811	FOR XML is incompatible with COMPUTE expressions. Remove the COMPUTE expression.
6812	XML tag ID %d that was originally declared as '%.*ls' is being redeclared as '%.*ls'.

Error Code	Description
6813	FOR XML EXPLICIT cannot combine multiple occurrences of ID, IDREF, IDREFS, NMTOKEN, and/or NMTOKENS in column name '%.*Is'.
6814	In the FOR XML EXPLICIT clause, ID, IDREF, IDREFS, NMTOKEN, and NMTOKENS require attribute names in '%.*Is'.
6815	In the FOR XML EXPLICIT clause, ID, IDREF, IDREFS, NMTOKEN, and NMTOKENS attributes cannot be hidden in '%.*Is'.
6816	In the FOR XML EXPLICIT clause, ID, IDREF, IDREFS, NMTOKEN, and NMTOKENS attributes cannot be generated as CDATA, XML, or XMLTEXT in '%.*Is'.
6817	FOR XML EXPLICIT cannot combine multiple occurrences of ELEMENT, XML, XMLTEXT, and CDATA in column name '%.*Is'.
6818	In the FOR XML EXPLICIT clause, CDATA attributes must be unnamed in '%.*Is'.
6819	The FOR XML clause is not allowed in a %Is statement.
6820	FOR XML EXPLICIT requires column %d to be named '%Is' instead of '%.*Is'.
6821	GROUP BY and aggregate functions are currently not supported with FOR XML AUTO.
6824	In the FOR XML EXPLICIT clause, mode '%.*Is' in a column name is invalid.
6825	ELEMENTS mode requires FOR XML AUTO.
6826	Every IDREFS or NMTOKENS column in a FOR XML EXPLICIT query must appear in a separate SELECT clause, and the instances must be ordered directly after the element to which they belong.
6827	FOR XML EXPLICIT queries allow only one XMLTEXT column per tag. Column '%.*Is' declares another XMLTEXT column that is not permitted.
6828	XMLTEXT column '%.*Is' must be of a string data type.
6829	FOR XML EXPLICIT and RAW modes currently do not support addressing binary data as URLs in column '%.*Is'. Remove the column, or use the BINARY BASE64 mode, or create the URL directly using the 'dbobject/TABLE[@PK1="V1"]/@COLUMN' syntax.
6830	FOR XML AUTO could not find the table owning the following column '%.*Is' to create a URL address for it. Remove the column, or use the BINARY BASE64 mode, or create the URL directly using the 'dbobject/TABLE[@PK1="V1"]/@COLUMN' syntax.
6831	FOR XML AUTO requires primary keys to create references for '%.*Is'. Select primary keys, or use BINARY BASE64 to obtain binary data in encoded form if no primary keys exist.
6832	FOR XML AUTO cannot generate a URL address for binary data if a primary key is also binary.
6833	Parent tag ID %d is not among the open tags. FOR XML EXPLICIT requires parent tags to be opened first. Check the ordering of the result set.
6834	XMLTEXT field '%.*Is' contains an invalid XML document. Check the root tag and its attributes.

Error Code	Description
6835	FOR XML EXPLICIT field '%.*Is' can specify the directive HIDE only once.
6836	FOR XML EXPLICIT requires attribute-centric IDREFS or NMTOKENS field '%.*Is' to precede element-centric IDREFS/NMTOKEN fields.
6837	The XMLTEXT document attribute that starts with '%.*Is' is too long. Maximum length is %d.
6838	Attribute-centric IDREFS or NMTOKENS field not supported on tags having element-centric field '%.*Is' of type TEXT/NTEXT or IMAGE. Either specify ELEMENT on IDREFS/NMTOKENS field or remove the ELEMENT directive.
6839	FOR XML EXPLICIT does not support XMLTEXT field on tag '%.*Is' that has IDREFS or NMTOKENS fields.
6840	XMLDATA does not support namespace elements or attributes such as '%.*Is'. Run the SELECT FOR XML statement without XMLDATA or remove the namespace prefix declaration.

**Table 3–53: TSQL Error Codes - 7000 to 7099**

Error Code	Description
7000	OPENXML document handle parameter must be of data type int.
7001	OPENXML flags parameter must be of data type int.
7002	OPENXML XPath must be of a string data type, such as nvarchar.
7003	Only one OPENXML column can be of type %Is.
7004	OPENXML does not support retrieving schema from remote tables, as in '%.*Is'.
7005	OPENXML requires a metaproperty namespace to be declared if 'mp' is used for another namespace in sp_xml_preparedocument.
7006	OPENXML encountered a problem identifying the metaproperty namespace prefix. Consider removing the namespace parameter from the corresponding sp_xml_preparedocument statement.
7007	OPENXML encountered unknown metaproperty '%.*Is'.
7008	The OPENXML EDGETABLE is incompatible with the XMLTEXT OVERFLOW flag.
7009	OPENXML allows only one metaproperty namespace prefix declaration in sp_xml_preparedocument.

**Table 3–54: TSQL Error Codes - 7100 to 7199**

Error Code	Description
7101	You cannot use a text pointer for a table with option 'text in row' set to ON.
7102	SQL Server Internal Error. Text manager cannot continue with current statement.
7103	You cannot set option 'text in row' for table %s.
7104	Offset or size type is invalid. Must be int or smallint data type.

Error Code	Description
7105	Page %S_PGID, slot %d for text, ntext, or image node does not exist.
7106	You cannot update a blob with a read-only text pointer
7107	You can have only 1,024 in-row text pointers in one transaction
7116	Offset %d is not in the range of available text, ntext, or image data.
7122	Invalid text, ntext, or image pointer type. Must be binary(16).
7123	Invalid text, ntext, or image pointer value %hs.
7124	The offset and length specified in the READTEXT statement is greater than the actual data length of %ld.
7125	The text, ntext, or image pointer value conflicts with the column name specified.
7126	The text, ntext, or image pointer value references a data page with an invalid text, ntext, or image status.
7127	The text, ntext, or image pointer value references a data page with an invalid timestamp.
7128	The text, ntext, or image pointer value references a data page that is no longer allocated.
7130	%ls WITH NO LOG is not valid at this time. Use sp_dboption to set the 'select into/bulkcopy' option on for database '%.*ls'.
7133	NULL textptr (text, ntext, or image pointer) passed to %ls function.
7135	Deletion length %ld is not in the range of available text, ntext, or image data.
7137	%s is not allowed because the column is being processed by a concurrent snapshot and is being replicated to a non-SQL Server Subscriber or Published in a publication allowing Data Transformation Services (DTS).
7138	The WRITETEXT statement is not allowed because the column is being replicated with Data Transformation Services (DTS).
7139	Length of text, ntext, or image data (%ld) to be replicated exceeds configured maximum %ld.
7141	Must create orphaned text inside a user transaction.
7142	Must drop orphaned text before committing the transaction.
7143	Invalid locator de-referenced.

**Table 3–55: TSQL Error Codes - 7200 to 7299**

Error Code	Description
7201	Could not execute procedure on remote server '%.*ls' because SQL Server is not configured for remote access. Ask your system administrator to reconfigure SQL Server to allow remote access.
7202	Could not find server '%.*ls' in sys.servers. Execute sp_addlinkedserver to add the server to sys.servers.
7212	Could not execute procedure '%.*ls' on remote server '%.*ls'.
7213	Could not set up parameter for remote server '%.*ls'.
7214	Remote procedure time out of %d seconds exceeded. Remote procedure '%.*ls' is canceled.
7221	Could not relay results of procedure '%.*ls' from remote server '%.*ls'.
7300	OLE DB error trace [%ls].

**Table 3–56: TSQL Error Codes - 7300 to 7399**

Error Code	Description
7301	Could not obtain a required interface from OLE DB provider '%ls'.
7302	Could not create an instance of OLE DB provider '%ls'.
7303	Could not initialize data source object of OLE DB provider '%ls'. %ls
7304	Could not create a new session on OLE DB provider '%ls'.
7305	Could not create a statement object using OLE DB provider '%ls'.
7306	Could not open table '%ls' from OLE DB provider '%ls'. %ls
7307	Could not obtain the data source of a session from OLE DB provider '%ls'. This action must be supported by the provider.
7310	Could not obtain the schema options for OLE DB provider '%ls'. The provider supports the interface, but returns a failure code when it is used.
7311	Could not obtain the schema rowset for OLE DB provider '%ls'. The provider supports the interface, but returns a failure code when it is used.
7312	Invalid use of schema and/or catalog for OLE DB provider '%ls'. A four-part name was supplied, but the provider does not expose the necessary interfaces to use a catalog and/or schema.
7313	Invalid schema or catalog specified for provider '%ls'.
7314	OLE DB provider '%ls' does not contain table '%ls'. The table either does not exist or the current user does not have permissions on that table.
7315	OLE DB provider '%ls' contains multiple tables that match the name '%ls'.
7316	Could not use qualified table names (schema or catalog) with OLE DB provider '%ls' because it does not implement required functionality.
7317	OLE DB provider '%ls' returned an invalid schema definition.

Error Code	Description
7318	OLE DB provider '%ls' returned an invalid column definition.
7319	OLE DB provider '%ls' returned a '%ls' index '%ls' with incorrect bookmark ordinal %d.
7320	Could not execute query against OLE DB provider '%ls'. %ls
7321	An error occurred while preparing a query for execution against OLE DB provider '%ls'. %ls
7322	A failure occurred while giving parameter information to OLE DB provider '%ls'. %ls
7323	An error occurred while submitting the query text to OLE DB provider '%ls'. %ls
7330	Could not fetch a row from OLE DB provider '%ls'. %ls
7331	Rows from OLE DB provider '%ls' cannot be released. %ls
7332	Could not rescan the result set from OLE DB provider '%ls'. %ls
7333	Could not fetch a row using a bookmark from OLE DB provider '%ls'. %ls
7340	Could not create a column accessor for OLE DB provider '%ls'. %ls
7341	Could not get the current row value of column '%ls.%ls' from the OLE DB provider '%ls'. %ls
7342	Unexpected NULL value returned for column '%ls.%ls' from the OLE DB provider '%ls'. This column cannot be NULL.
7343	OLE DB provider '%ls' could not %ls table '%ls'. %ls
7344	OLE DB provider '%ls' could not %ls table '%ls' because of column '%ls'. %ls
7345	OLE DB provider '%ls' could not delete from table '%ls'. %ls
7346	Could not get the data of the row from the OLE DB provider '%ls'. %ls
7347	OLE DB provider '%ls' returned an unexpected data length for the fixed-length column '%ls.%ls'. The expected data length is %ls, while the returned data length is %ls.
7348	OLE DB provider '%ls' could not set range for table '%ls'.%ls
7349	OLE DB provider '%ls' could not set range for table '%ls' because of column '%ls'.%ls
7350	Could not get the column information from the OLE DB provider '%ls'.
7351	OLE DB provider '%ls' could not map ordinals for one or more columns of object '%ls'.
7352	OLE DB provider '%ls' supplied inconsistent metadata. The object '%ls' was missing expected column '%ls'.
7353	OLE DB provider '%ls' supplied inconsistent metadata. An extra column was supplied during execution that was not found at compile time.
7354	OLE DB provider '%ls' supplied invalid metadata for column '%ls'. %ls
7355	OLE DB provider '%ls' supplied inconsistent metadata for a column. The name was changed at execution time.



Error Code	Description
7356	OLE DB provider '%ls' supplied inconsistent metadata for a column. Metadata information was changed at execution time.
7357	Could not process object '%ls'. The OLE DB provider '%ls' indicates that the object has no columns.
7358	Could not execute query. The OLE DB provider '%ls' did not provide an appropriate interface to access the text, ntext, or image column '%ls.%ls'.
7359	The OLE DB provider '%ls' reported a schema version for table '%ls' that changed between compilation and execution.
7360	Could not get the length of a storage object from the OLE DB provider '%ls' for table '%ls', column '%ls'.
7361	Could not read a storage object from the OLE DB provider '%ls', for table '%ls', column '%ls'.
7362	The OLE DB provider '%ls' reported different meta data at for table '%ls' column '%ls'.
7365	Could not obtain optional metadata columns of columns rowset from the OLE DB provider '%ls'.
7366	Could not obtain columns rowset from OLE DB provider '%ls'. The provider supports the interface, but returns a failure code when used.
7367	The OLE DB provider '%ls' supports column-level collation, but failed to provide metadata column '%ls' at .
7368	The OLE DB provider '%ls' supports column-level collation, but failed to provide collation data for column '%ls'.
7369	The OLE DB provider '%ls' provided invalid collation. %ls.
7370	One or more properties could not be set on the query for OLE DB provider '%ls'. %ls
7371	One or more properties could not be set on the table for OLE DB provider '%ls'.
7372	Cannot get properties from OLE DB provider '%ls'.
7373	Could not set the initialization properties for the OLE DB provider '%ls'.
7374	Could not set the session properties for the OLE DB provider '%ls'.
7375	Could not open index '%ls' on table '%ls' from OLE DB provider '%ls'. %ls
7376	Could not enforce the remote join hint for this query.
7377	Cannot specify an index or locking hint for a remote data source.
7378	The update/delete operation requires a unique key or a clustered index on the remote table.
7379	OLE DB provider '%ls' returned an unexpected '%ls' for the decimal/numeric column '%ls.%ls'. The expected data length is '%ls', while the returned data length is '%ls'.
7390	The requested operation could not be performed because the OLE DB provider '%ls' does not support the required transaction interface.

Error Code	Description
7391	The operation could not be performed because the OLE DB provider '%ls' was unable to begin a distributed transaction.
7392	Could not start a transaction for OLE DB provider '%ls'.
7393	OLE DB provider '%ls' reported an error aborting the current transaction.
7394	OLE DB provider '%ls' reported an error committing the current transaction.
7395	Unable to start a nested transaction for OLE DB provider '%ls'. A nested transaction was required because the XACT_ABORT option was set to OFF.
7399	OLE DB provider '%ls' reported an error. %ls

**Table 3–57: TSQL Error Codes - 7400 to 7499**

Error Code	Description
7401	Cannot create OLE DB provider enumeration object installed with SQL Server. Verify installation.
7403	Could not locate registry entry for OLE DB provider '%ls'.
7404	The server could not load DCOM.
7405	Heterogeneous queries require the ANSI_NULLS and ANSI_WARNINGS options to be set for the connection. This ensures consistent query semantics. Enable these options and then reissue your query.
7410	Remote access not allowed for Windows NT user activated by SETUSER.
7411	Server '%.*ls' is not configured for %ls.
7413	Could not perform a Windows NT authenticated login because delegation is not available.
7414	Invalid number of parameters. Rowset '%ls' expects %d parameter(s).
7415	Ad hoc access to OLE DB provider '%ls' has been denied. You must access this provider through a linked server.
7416	Access to the remote server is denied because no login-mapping exists.
7417	GROUP BY ALL is not supported in queries that access remote tables if there is also a WHERE clause in the query.
7418	Text, image, or ntext column was too large to send to the remote data source due to the storage interface used by the provider.
7419	Lazy schema validation error. Linked server schema version has changed. Re-run the query.

**Table 3–58: TSQL Error Codes - 7600 to 7699**

Error Code	Description
7601	Cannot use a CONTAINS or FREETEXT predicate on %S_MSG '%.*ls' because it is not full-text indexed.
7602	The Full-Text Service (Microsoft Search) is not available. The system administrator must start this service.

Error Code	Description
7603	Syntax error in search condition, or empty or null search condition '%ls'.
7604	Full-text operation failed due to a time out.
7605	Full-text catalog '%ls' has been lost. Use sp_fulltext_catalog to rebuild and to repopulate this full-text catalog.
7606	Could not find full-text index for database ID %d, table ID %d. Use sp_fulltext_table to deactivate then activate this index.
7607	Search on full-text catalog '%ls' for database ID %d, table ID %d with search condition '%ls' failed with unknown result (%x).
7608	An unknown full-text failure (%x) occurred in function %hs on full-text catalog '%ls'.
7609	Full-Text Search is not installed, or a full-text component cannot be loaded.
7610	Access is denied to '%ls', or the path is invalid. Full-text search was not installed properly.
7611	Warning: Request to start a population in full-text catalog '%ls' ignored because a population is currently active for this full-text catalog.
7612	%d is not a valid value for full-text system resource usage.
7613	Cannot drop index '%.*ls' because it enforces the full-text key for table '%.*ls'.
7614	Cannot alter or drop column '%.*ls' because it is enabled for Full-Text Search.
7615	A CONTAINS or FREETEXT predicate can only operate on one table. Qualify the use of * with a table name.
7616	Full-Text Search is not enabled for the current database. Use sp_fulltext_database to enable full-text search for the database.
7617	Query does not reference the full-text indexed table.
7618	%d is not a valid value for a full-text connection time out.
7620	Conversion to data type %ls failed for full-text search key value 0x%ls.
7621	Invalid use of full-text predicate in the HAVING clause.
7622	Full-text catalog '%ls' lacks sufficient disk space to complete this operation.
7623	Full-text query failed because full-text catalog '%ls' is not yet ready for queries.
7624	Full-text catalog '%ls' is in a unusable state. Drop and re-create this full-text catalog.
7625	Full-text table has more than one LCID among its full-text indexed columns.
7626	The top_n_by_rank argument ('%d') must be greater than zero.
7627	Full-text catalog in directory '%ls' for clustered server cannot be created. Only directories on a disk in the cluster group of the server can be used.
7628	Cannot copy Schema.txt to '%.*ls' because access is denied or the path is invalid. Full-text search was not installed properly.
7629	Cannot open or query registry key '%.*ls'.

Error Code	Description
7630	Syntax error occurred near '%.*Is' in search condition '%.*Is'.
7631	Syntax error occurred near '%.*Is'. Expected '%.*Is' in search condition '%.*Is'.
7632	The value of the Weight argument must be between 0.0 and 1.0.
7633	The syntax <content search condition> OR NOT <content boolean term> is not allowed.
7634	Stack overflow occurred in parsing search condition '%.*Is'.
7635	The Microsoft Search service cannot be administered under the present user account
7636	Warning: Request to start a full-text index population on table '%Is' is ignored because a population is currently active for this table.
7637	Value %d is not valid for full-text data time-out.
7638	Warning: Request to stop change tracking has deleted all changes tracked on table '%Is'.
7639	Cannot use a full-text predicate on %S_MSG '%.*Is' because it is not located on the local server.
7640	Warning: Request to stop tracking changes on table '%Is' will not stop population currently in progress on the table.
7641	Full-Text catalog '%Is' does not exist.
7642	A full-text catalog named '%Is' already exists in this database.

**Table 3–59: TSQL Error Codes - 7900 to 7999**

Error Code	Description
7905	The object specified is neither a table nor a constraint
7908	The table '%.*Is' was created with the NO_LOG option.
7910	Repair: Page %S_PGID has been allocated to object ID %d, index ID %d.
7911	Repair: Page %S_PGID has been deallocated from object ID %d, index ID %d.
7912	Repair: Extent %S_PGID has been allocated to object ID %d, index ID %d.
7913	Repair: Extent %S_PGID has been deallocated from object ID %d, index ID %d.
7914	Repair: %Is page at %S_PGID has been rebuilt.
7915	Repair: IAM chain for object ID %d, index ID %d, has been truncated before page %S_PGID and will be rebuilt.
7916	Repair: Deleted record for object ID %d, index ID %d, on page %S_PGID, slot %d. Indexes will be rebuilt.
7917	Repair: Converted forwarded record for object ID %d, index ID %d, at page %S_PGID, slot %d to a data row.
7918	Repair: Page %S_PGID next and %S_PGID previous pointers have been set to match each other in object ID %d, index ID %d.
7919	Repair statement not processed. Database needs to be in single user mode.

Error Code	Description
7920	Processed %ld entries in sysindexes for database ID %d.
7922	*****
7923	Table '%.*ls' Object ID %ld.
7924	Index ID %ld. FirstIAM %S_PGID. Root %S_PGID. Dpages %ld.
7925	Index ID %d. %ld pages used in %ld dedicated extents.
7927	Total number of extents is %ld.
7932	The indexes for '%.*ls' are already correct. They will not be rebuilt.
7933	One or more indexes contain errors. They will be rebuilt.
7934	The table '%.*ls' has no indexes.
7935	REINDEX received an exception. Statement terminated.
7937	The data in table '%.*ls' is possibly inconsistent. REINDEX terminated. Run DBCC CHECKTABLE and report errors to your system administrator.
7939	Cannot detach database '%.*ls' because it does not exist.
7940	System databases master, model, msdb, and tempdb cannot be detached.
7941	Trace option(s) not enabled for this connection. Use 'DBCC TRACEON()'.
7942	DBCC %ls scanning '%.*ls' table...
7943	Table: '%.*ls' (%d); index ID: %d, database ID: %d
7944	%ls level scan performed.
7945	- Pages Scanned.....: %lu
7946	- Extents Scanned.....: %lu
7947	- Extent Switches.....: %lu
7948	- Avg. Pages per Extent.....: %3.1f
7949	- Scan Density [Best Count:Actual Count].....: %4.2f%ls [%lu:%lu]
7950	- Logical Scan Fragmentation .....: %4.2f%ls
7951	- Physical Scan Fragmentation .....: %4.2f%ls
7952	- Extent Scan Fragmentation .....: %4.2f%ls
7953	- Avg. Bytes Free per Page.....: %3.1f
7954	- Avg. Page Density (full).....: %4.2f%ls
7955	Invalid SPID %d specified.
7956	Permission to execute DBCC %ls denied.
7957	Cannot display the specified SPID's buffer; in transition.
7958	The specified SPID does not process input/output data streams.
7959	The DBCC statement is not supported in this release.

Error Code	Description
7961	Object ID %d, index ID %d, page ID %S_PGID, row ID %d. Column '%.*Is' is a var column with a NULL value and non-zero data length.
7962	Upgrade requires SQL Server to be started in single user mode. Restart SQL Server with the -m flag.
7963	Upgrade encountered a fatal error. See the SQL Server errorlog for more information.
7965	Table error: Could not check object ID %d, index ID %d due to invalid allocation (IAM) page(s).
7966	Warning: NO_INDEX option of %Is being used. Checks on non-system indexes will be skipped.
7968	Transaction information for database '%.*Is'.
7969	No active open transactions.
7970	%hsOldest active transaction:
7971	SPID (server process ID) : %d
7972	UID (user ID) : %d
7974	Name : %.*Is
7975	LSN : (%d:%d:%d)
7977	Start time : %.*Is
7979	%hsReplicated Transaction Information:
7980	Oldest distributed LSN : (%d:%d:%d)
7982	Oldest non-distributed LSN : (%d:%d:%d)
7983	User '%.*Is' does not have permission to run DBCC %Is for database '%.*Is'.
7984	Invalid object name '%.*Is'.
7985	The object name '%.*Is' contains more than the maximum number of prefixes. The maximum is %d.
7986	Warning: Pinning tables should be carefully considered. If a pinned table is larger, or grows larger, than the available data cache, the server may need to be restarted and the table unpinned.
7991	System table mismatch: Table '%.*Is', object ID %d has index ID 1 in sysindexes but the status in sysobjects does not have the clustered bit set. The table will be checked as a heap.
7992	Cannot shrink 'read only' database '%.*Is'.
7993	Cannot shrink file '%d' in database '%.*Is' to %d pages as it only contains %d pages.
7994	Object ID %d, index ID %d: FirstIAM field in sysindexes is %S_PGID. FirstIAM for statistics only and dummy index entries should be (0:0).
7995	Database '%Is' consistency errors in sysobjects, sysindexes, syscolumns, or systypes prevent further %Is processing.

Error Code	Description
7996	Extended stored procedures can only be created in the master database.
7997	'%.*Is' does not contain an identity column.
7998	Checking identity information: current identity value '%.*hs', current column value '%.*hs'.
7999	Could not find any index named '%.*Is' for table '%.*Is'.

**Table 3–60: TSQL Error Codes - 8100 to 8199**

Error Code	Description
8101	An explicit value for the identity column in table '%.*Is' can only be specified when a column list is used and IDENTITY_INSERT is ON.
8102	Cannot update identity column '%.*Is'.
8103	Table '%.*Is' does not exist or cannot be opened for SET operation.
8104	The current user is not the database or object owner of table '%.*Is'. Cannot perform SET operation.
8105	'%.*Is' is not a user table. Cannot perform SET operation.
8106	Table '%.*Is' does not have the identity property. Cannot perform SET operation.
8107	IDENTITY_INSERT is already ON for table '%.*Is.%.*Is.%.*Is'. Cannot perform SET operation for table '%.*Is'.
8108	Cannot add identity column, using the SELECT INTO statement, to table '%.*Is', which already has column '%.*Is' that inherits the identity property.
8109	Attempting to add multiple identity columns to table '%.*Is' using the SELECT INTO statement.
8110	Cannot add multiple PRIMARY KEY constraints to table '%.*Is'.
8111	Cannot define PRIMARY KEY constraint on nullable column in table '%.*Is'.
8112	Cannot add more than one clustered index for constraints on table '%.*Is'.
8114	Error converting data type %ls to %ls.
8115	Arithmetic overflow error converting %ls to data type %ls.
8116	Argument data type %ls is invalid for argument %d of %ls function.
8117	Operand data type %ls is invalid for %ls operator.
8118	Column '%.*Is.%.*Is' is invalid in the select list because it is not contained in an aggregate function and there is no GROUP BY clause.
8119	Column '%.*Is.%.*Is' is invalid in the HAVING clause because it is not contained in an aggregate function and there is no GROUP BY clause.
8120	Column '%.*Is.%.*Is' is invalid in the select list because it is not contained in either an aggregate function or the GROUP BY clause.
8121	Column '%.*Is.%.*Is' is invalid in the HAVING clause because it is not contained in either an aggregate function or the GROUP BY clause.
8122	Only the first query in a UNION statement can have a SELECT with an assignment.

Error Code	Description
8123	A correlated expression is invalid because it is not in a GROUP BY clause.
8124	Multiple columns are specified in an aggregated expression containing an outer reference. If an expression being aggregated contains an outer reference, then that outer reference must be the only column referenced in the expression.
8125	An aggregated expression containing an outer reference must be contained in either the select list, or a HAVING clause subquery in the query whose FROM clause contains the table with the column being aggregated.
8126	Column name '%.*Is%.*Is' is invalid in the ORDER BY clause because it is not contained in an aggregate function and there is no GROUP BY clause.
8127	Column name '%.*Is%.*Is' is invalid in the ORDER BY clause because it is not contained in either an aggregate function or the GROUP BY clause.
8128	Using '%s' version '%s' to execute extended stored procedure '%s'.
8129	The new disk size must be greater than %d. Consider using DBCC SHRINKDB.
8130	The device is not a database device. Only database devices can be expanded.
8131	Extended stored procedure DLL '%s' does not export __GetXpVersion(). Refer to the topic "Backward Compatibility Details (Level 1) - Open Data Services" in the documentation for more information.
8132	Extended stored procedure DLL '%s' reports its version is %d.%d. Server expects version %d.%d.
8133	None of the result expressions in a CASE specification can be NULL.
8134	Divide by zero error encountered.
8135	Table level constraint does not specify column list, table '%.*Is'.
8136	Duplicate columns specified in %Is constraint key list, table '%.*Is'.
8138	More than 16 columns specified in foreign key column list, table '%.*Is'.
8139	Number of referencing columns in foreign key differs from number of referenced columns, table '%.*Is'.
8140	More than one key specified in column level %Is constraint, table '%.*Is'.
8141	Column %Is constraint for column '%.*Is' references another column, table '%.*Is'.
8142	Subqueries are not supported in %Is constraints, table '%.*Is'.
8143	Parameter '%.*Is' was supplied multiple times.
8144	Procedure or function %.*Is has too many arguments specified.
8145	%.*Is is not a parameter for procedure %.*Is.
8146	Procedure %.*Is has no parameters and arguments were supplied.
8147	Could not create IDENTITY attribute on nullable column '%.*Is', table '%.*Is'.
8148	More than one column %Is constraint specified for column '%.*Is', table '%.*Is'.
8149	OLE Automation objects are not supported in fiber mode.
8150	Multiple NULL constraints were specified for column '%.*Is', table '%.*Is'.



Error Code	Description
8151	Both a PRIMARY KEY and UNIQUE constraint have been defined for column '%.*Is', table '%.*Is'. Only one is allowed.
8152	String or binary data would be truncated.
8153	Warning: Null value is eliminated by an aggregate or other SET operation.
8154	The table '%.*Is' is ambiguous.
8155	No column was specified for column %d of '%.*Is'.
8156	The column '%.*Is' was specified multiple times for '%.*Is'.
8157	All the queries in a query expression containing a UNION operator must have the same number of expressions in their select lists.
8158	'%.*Is' has more columns than were specified in the column list.
8159	'%.*Is' has fewer columns than were specified in the column list.
8160	A grouping function can only be specified when either CUBE or ROLLUP is specified in the GROUP BY clause.
8161	A grouping function argument does not match any of the expressions in the GROUP BY clause.
8162	Formal parameter '%.*Is' was defined as OUTPUT but the actual parameter not declared OUTPUT.
8163	The text, ntext, or image data type cannot be selected as DISTINCT.
8164	An INSERT EXEC statement cannot be nested.
8165	Invalid subcommand value %d. Legal range from %d to %d.
8166	Constraint name '%.*Is' not permitted. Constraint names cannot begin with a number sign (#).
8168	Cannot create two constraints named '%.*Is'. Duplicate constraint names are not allowed.
8169	Syntax error converting from a character string to uniqueidentifier.
8170	Insufficient result space to convert uniqueidentifier value to char.
8171	Hint '%.*Is' on object '%.*Is' is invalid.
8175	Could not find table '%.*Is'. Will try to resolve this table name later.
8176	Resync procedure expects value of key '%.*Is', which was not supplied.
8177	Cannot use a column in the %hs clause unless it is contained in either an aggregate function or the GROUP BY clause.
8178	Prepared statement '%.*Is' expects parameter '%.*Is', which was not supplied.
8179	Could not find prepared statement with handle %d.
8180	Statement(s) could not be prepared.
8181	Text for '%.*Is' is missing from syscomments. The object must be dropped and re-created before it can be used.
8183	Only UNIQUE or PRIMARY KEY constraints are allowed on computed columns.

Error Code	Description
8184	Error expanding '*': all columns incomparable, '*' expanded to zero columns.
8185	Error expanding '*': An uncomparable column has been found in an underlying table or view.
8186	Function '%.*Is' can be used only on user and system tables.
8190	Cannot compile replication filter procedure without defining table being filtered.
8191	Replication filter procedures can only contain SELECT, GOTO, IF, WHILE, RETURN, and DECLARE statements.
8192	Replication filter procedures cannot have parameters.
8193	Cannot execute a procedure marked FOR REPLICATION.
8194	Cannot execute a USE statement while an application role is active.
8196	Duplicate column specified as ROWGUIDCOL.
8197	Windows NT user '%.*Is' does not have server access.
8198	Could not obtain information about Windows NT group/user '%Is'.
8199	In EXECUTE <procname>, procname can only be a literal or variable of type char, varchar, nchar, or nvarchar.

**Table 3–61: TSQL Error Codes - 8500 to 8599**

Error Code	Description
8501	MSDTC on server '%.*Is' is unavailable.
8502	Unknown MSDTC token '0x%x' received.
8504	Invalid transaction import buffer.
8506	Invalid transaction state change requested from %hs to %hs.
8508	QueryInterface failed for '%hs': %hs.
8509	Import of MSDTC transaction failed: %hs.
8510	Enlist of MSDTC transaction failed: %hs.
8511	Unknown isolation level %d requested from MSDTC.
8512	MSDTC Commit acknowledgment failed: %hs.
8513	MSDTC Abort acknowledgment failed: %hs.
8514	MSDTC PREPARE acknowledgment failed: %hs.
8515	MSDTC Global state is invalid.
8517	Failed to get MSDTC PREPARE information: %hs.
8518	MSDTC BEGIN TRANSACTION failed: %hs.
8519	Current MSDTC transaction must be committed by remote client.
8520	Commit of internal MSDTC transaction failed: %hs.
8521	Invalid awakening state. Slept in %hs; awoke in %hs.

Error Code	Description
8522	Distributed transaction aborted by MSDTC.
8523	PREPARE TRAN statement not allowed on MSDTC transaction.
8524	The current transaction could not be exported to the remote provider. It has been rolled back.
8525	Distributed transaction completed. Either enlist this session in a new transaction or the NULL transaction.

**Table 3–62: TSQL Error Codes - 8600 to 8699**

Error Code	Description
8601	Internal Query Processor Error: The query processor could not obtain access to a required interface.
8602	Indexes used in hints must be explicitly included by the index tuning wizard.
8616	The index hints for table '%.*Is' were ignored because the table was considered a fact table in the star join.
8617	Invalid Query: CUBE and ROLLUP cannot compute distinct aggregates.
8618	Warning: The query processor could not produce a query plan from the optimizer because the total length of all the columns in the GROUP BY or ORDER BY clause exceeds 8000 bytes.
8619	Warning: The query processor could not produce a query plan from the optimizer because the total length of all the columns in the GROUP BY or ORDER BY clause exceeds 8000 bytes. Resubmit your query without the ROBUST PLAN hint.
8620	Internal Query Processor Error: The query processor encountered an internal limit overflow.
8621	Internal Query Processor Error: The query processor ran out of stack space during query optimization.
8622	Query processor could not produce a query plan because of the hints defined in this query. Resubmit the query without specifying any hints and without using SET FORCEPLAN.
8623	Internal Query Processor Error: The query processor could not produce a query plan. Contact your primary support provider for more information.
8624	Internal SQL Server error.
8625	Warning: The join order has been enforced because a local join hint is used.
8626	Only text pointers are allowed in work tables, never text, ntext, or image columns. The query processor produced a query plan that required a text, ntext, or image column in a work table.
8627	The query processor could not produce a query plan because of the combination of hints and text, ntext, or image data passing through operators using work tables.
8628	A time out occurred while waiting to optimize the query. Rerun the query.

Error Code	Description
8629	The query processor could not produce a query plan from the optimizer because a query cannot update a text, ntext, or image column and a clustering key at the same time.
8630	Internal Query Processor Error: The query processor encountered an unexpected error during execution.
8640	Internal Query Processor Error: The query processor encountered an unexpected work table error during execution.
8642	The query processor could not start the necessary thread resources for parallel query execution.
8644	Internal Query Processor Error: The plan selected for execution does not support the invoked given execution routine.
8645	A time out occurred while waiting for memory resources to execute the query. Rerun the query.
8646	The index entry for row ID %.*hs was not found in index ID %d, of table %d, in database '%.*ls'.
8647	Scan on sysindexes for database ID %d, object ID %ld, returned a duplicate index ID %d. Run DBCC CHECKTABLE on sysindexes.
8648	Could not insert a row larger than the page size into a hash table. Resubmit the query with the ROBUST PLAN hint.
8649	The query has been canceled because the estimated cost of this query (%d) exceeds the configured threshold of %d. Contact the system administrator.
8650	Intra-query parallelism caused your server command (process ID #%d) to deadlock. Rerun the query without intra-query parallelism by using the query hint option (maxdop 1).
8651	Could not perform the requested operation because the minimum query memory is not available. Decrease the configured value for the 'min memory per query' server configuration option.
8653	Warning: The query processor is unable to produce a plan because the table '%.*ls' is marked OFFLINE.
8654	A cursor plan could not be generated for the given statement because it contains textptr ( inrow lob ).
8660	An index cannot be created on the view '%.*ls' because the view definition does not include all the columns in the GROUP BY clause.
8661	A clustered index cannot be created on the view '%.*ls' because the index key includes columns which are not in the GROUP BY clause.
8662	An index cannot be created on the view '%.*ls' because the view definition includes an unknown value (the sum of a nullable expression).
8663	An index cannot be created on the view '%.*ls' because the view definition does not include count_big(*).
8664	An index cannot be created on the view '%.*ls' because the view definition includes duplicate column names.

Error Code	Description
8665	An index cannot be created on the view '%. *Is' because no row can satisfy the view definition.
8666	Warning: The optimizer cannot use the index because the select list of the view contains a non-aggregate expression.
8667	Warning: The optimizer cannot use the index because the group-by list in the view forms a key and is redundant.
8680	Internal Query Processor Error: The query processor encountered an unexpected error during the processing of a remote query phase.

**Table 3–63: TSQL Error Codes - 8900 to 8999**

Error Code	Description
8901	Deadlock detected during DBCC. Complete the transaction in progress and retry this statement.
8902	Memory allocation error during DBCC processing.
8903	Extent %S_PGID in database ID %d is allocated in both GAM %S_PGID and SGAM %S_PGID.
8904	Extent %S_PGID in database ID %d is allocated by more than one allocation object.
8905	Extent %S_PGID in database ID %d is marked allocated in the GAM, but no SGAM or IAM has allocated it.
8906	Page %S_PGID in database ID %d is allocated in the SGAM %S_PGID and PFS %S_PGID, but was not allocated in any IAM. PFS flags '%hs'.
8908	Table error: Database ID %d, object ID %d, index ID %d. Chain linkage mismatch. %S_PGID->next = %S_PGID, but %S_PGID->prev = %S_PGID.
8909	Table error: Object ID %d, index ID %d, page ID %S_PGID. The PageId in the page header = %S_PGID.
8910	Page %S_PGID in database ID %d is allocated to both object ID %d, index ID %d, and object ID %d, index ID %d.
8911	The error has been repaired.
8912	%. *Is fixed %d allocation errors and %d consistency errors in database '%Is'.
8913	Extent %S_PGID is allocated to '%Is' and at least one other object.
8914	Incorrect PFS free space information for page %S_PGID, object ID %d, index ID %d, in database ID %d. Expected value %hs, actual value %hs.
8915	File %d (number of mixed extents = %ld, mixed pages = %ld).
8916	Object ID %ld, Index ID %ld, data extents %ld, pages %ld, mixed extent pages %ld.
8917	Object ID %ld, Index ID %ld, index extents %ld, pages %ld, mixed extent pages %ld.
8918	(number of mixed extents = %ld, mixed pages = %ld) in this database.

Error Code	Description
8919	Single page allocation %S_PGID in table %ls, object ID %d, index ID %d is not allocated in PFS page ID %S_PGID.
8920	Cannot perform a %ls operation inside a user transaction. Terminate the transaction and reissue the statement.
8921	CHECKTABLE terminated. A failure was detected while collecting facts. Possibly tempdb out of space or a system table is inconsistent. Check previous errors.
8922	Could not repair this error.
8923	The repair level on the DBCC statement caused this repair to be bypassed.
8924	Repairing this error requires other errors to be corrected first.
8925	Table error: Cross object linkage: Page %S_PGID, slot %d, in object ID %d, index ID %d, refers to page %S_PGID, slot %d, in object ID %d, index ID %d.
8926	Table error: Cross object linkage: Parent page %S_PGID, slot %d, in object ID %d, index ID %d, and page %S_PGID, slot %d, in object ID %d, index ID %d, next refer to page %S_PGID but are not in the same object.
8927	Object ID %d, index ID %d: The ghosted record count (%d) in the header does not match the number of ghosted records (%d) found on page %S_PGID.
8928	Object ID %d, index ID %d: Page %S_PGID could not be processed. See other errors for details.
8929	Object ID %d: Errors found in text ID %l64d owned by data record identified by %.*ls.
8930	Table error: Object ID %d, index ID %d cross-object chain linkage. Page %S_PGID points to %S_PGID in object ID %d, index ID %d.
8931	Table error: Object ID %d, index ID %d B-tree level mismatch, page %S_PGID. Level %d does not match level %d from parent %S_PGID.
8932	Table error: Object ID %d, index ID %d, column '%.*ls'. The column ID %d is not valid for this table. The valid range is from 1 to %d.
8933	Table error: Object ID %d, index ID %d. The low key value on page %S_PGID (level %d) is not %ls the key value in the parent %S_PGID slot %d.
8934	Table error: Object ID %d, index ID %d. The high key value on page %S_PGID (level %d) is not less than the low key value in the parent %S_PGID, slot %d of the next page %S_PGID.
8935	Table error: Object ID %d, index ID %d. The previous link %S_PGID on page %S_PGID does not match the previous page %S_PGID that the parent %S_PGID, slot %d expects for this page.
8936	Table error: Object ID %d, index ID %d. B-tree chain linkage mismatch. %S_PGID->next = %S_PGID, but %S_PGID->Prev = %S_PGID.
8937	Table error: Object ID %d, index ID %d. B-tree page %S_PGID has two parent nodes %S_PGID, slot %d and %S_PGID, slot %d.
8938	Table error: Page %S_PGID, Object ID %d, index ID %d. Unexpected page type %d.

Error Code	Description
8939	Table error: Object ID %d, index ID %d, page %S_PGID. Test (%hs) failed. Values are %ld and %ld.
8940	Table error: Object ID %d, index ID %d, page %S_PGID. Test (%hs) failed. Address 0x%x is not aligned.
8941	Table error: Object ID %d, index ID %d, page %S_PGID. Test (%hs) failed. Slot %d, offset 0x%x is invalid.
8942	Table error: Object ID %d, index ID %d, page %S_PGID. Test (%hs) failed. Slot %d, offset 0x%x overlaps with the prior row.
8943	Table error: Object ID %d, index ID %d, page %S_PGID. Test (%hs) failed. Slot %d, row extends into free space at 0x%x.
8944	Table error: Object ID %d, index ID %d, page %S_PGID, row %d. Test (%hs) failed. Values are %ld and %ld.
8945	Table error: Object ID %d, index ID %d will be rebuilt.
8946	Table error: Allocation page %S_PGID has invalid %ls page header values. Type is %d. Check type, object ID and page ID on the page.
8947	Table error: Multiple IAM pages for object ID %d, index ID %d contain allocations for the same interval. IAM pages %S_PGID and %S_PGID.
8948	Database error: Page %S_PGID is marked with the wrong type in PFS page %S_PGID. PFS status 0x%x expected 0x%x.
8949	%. *Is fixed %d allocation errors and %d consistency errors in table '%ls' (object ID %d).
8950	%. *Is fixed %d allocation errors and %d consistency errors not associated with any single object.
8951	Table error: Table '%ls' (ID %d). Missing or invalid key in index '%ls' (ID %d) for the row:
8952	Table error: Database '%ls', index '%ls.%ls' (ID %d) (index ID %d). Extra or invalid key for the keys:
8953	Repair: Deleted text column, text ID %ld, for object ID %d on page %S_PGID, slot %d.
8954	%. *Is found %d allocation errors and %d consistency errors not associated with any single object.
8955	Data row (%d:%d:%d) identified by (%ls) has index values (%ls).
8956	Index row (%d:%d:%d) with values (%ls) points to the data row identified by (%ls).
8957	DBCC %ls (%ls%ls%ls) executed by %ls found %d errors and repaired %d errors.
8958	%ls is the minimum repair level for the errors found by DBCC %ls (%ls %ls).
8959	Table error: IAM page %S_PGID for object ID %d, index ID %d is linked in the IAM chain for object ID %d, index ID %d by page %S_PGID.
8960	Table error: Page %S_PGID, slot %d, column %d is not a valid complex column.

Error Code	Description
8961	Table error: Object ID %d. The text, ntext, or image node at page %S_PGID, slot %d, text ID %l64d does not match its reference from page %S_PGID, slot %d.
8962	Table error: The text, ntext, or image node at page %S_PGID, slot %d, text ID %l64d has incorrect node type %d.
8963	Table error: The text, ntext, or image node at page %S_PGID, slot %d, text ID %l64d has type %d. It cannot be placed on a page of type %d.
8964	Table error: Object ID %d. The text, ntext, or image node at page %S_PGID, slot %d, text ID %l64d is not referenced.
8965	Table error: Object ID %d. The text, ntext, or image node at page %S_PGID, slot %d, text ID %l64d is referenced by page %S_PGID, slot %d, but was not seen in the scan.
8966	Could not read and latch page %S_PGID with latch type %ls. %ls failed.
8967	Table error: Invalid value detected in %ls for Object ID %d, index ID %d. Row skipped.
8968	Table error: %ls page %S_PGID (object ID %d, index ID %d) is out of the range of this database.
8969	Table error: IAM chain linkage error: Object ID %d, index ID %d. The next page for IAM page %S_PGID is %S_PGID, but the previous link for page %S_PGID is %S_PGID.
8970	Row error: Object ID %d, index ID %d, page ID %S_PGID, row ID %d. Column '%.*ls' was created NOT NULL, but is NULL in the row.
8971	Forwarded row mismatch: Object ID %d, page %S_PGID, slot %d points to forwarded row page %S_PGID, slot %d; the forwarded row points back to page %S_PGID, slot %d.
8972	Forwarded row referenced by more than one row. Object ID %d, page %S_PGID, slot %d incorrectly points to forwarded row page %S_PGID, slot %d; the forwarded row correctly refers back to page %S_PGID, slot %d.
8973	CHECKTABLE processing of object ID %d, index ID %d encountered page %S_PGID, slot %d twice. Possible internal error or allocation fault.
8974	Text node referenced by more than one node. Object ID %d, text, ntext, or image node page %S_PGID, slot %d, text ID %l64d is pointed to by page %S_PGID, slot %d and by page %S_PGID, slot %d.
8975	Table error: Object ID %d, index ID %d. The child page pointer %S_PGID on PageId %S_PGID, slot %d is not a valid page for this database.
8976	Table error: Object ID %d, index ID %d. Page %S_PGID was not seen in the scan although its parent %S_PGID and previous %S_PGID refer to it. Check any previous errors.
8977	Table error: Object ID %d, index ID %d. Parent node for page %S_PGID was not encountered.
8978	Table error: Object ID %d, index ID %d. Page %S_PGID is missing a reference from previous page %S_PGID. Possible chain linkage problem.



Error Code	Description
8979	Table error: Object ID %d, index ID %d. Page %S_PGID is missing references from parent (unknown) and previous (page %S_PGID) nodes. Possible bad root entry in sysindexes.
8980	Table error: Object ID %d, index ID %d. Index node page %S_PGID, slot %d refers to child page %S_PGID and previous child %S_PGID, but they were not encountered.
8981	Table error: Object ID %d, index ID %d. The next pointer of %S_PGID refers to page %S_PGID. Neither %S_PGID nor its parent were encountered. Possible bad chain linkage.
8982	Table error: Cross object linkage. Page %S_PGID->next in object ID %d, index ID %d refers to page %S_PGID in object ID %d, index ID %d but is not in the same index.
8983	File %d. Extents %d, used pages %d, reserved pages %d, mixed extents %d, mixed pages %d.
8984	Object ID %d, index ID %d. Allocations for %S_PGID. IAM %S_PGID, extents %d, used pages %d, mixed pages %d.
8985	Could not locate file '%.*ls' in sysfiles.
8986	Too many errors found (%d) for object ID %d. To see all error messages rerun the statement using "WITH ALL_ERRORMSGs".
8987	No help available for DBCC statement '%.*ls'.
8988	The schema for database '%ls' is changing. May find spurious allocation problems due to schema changes in progress.
8989	%. *ls found %d allocation errors and %d consistency errors in database '%ls'.
8990	%. *ls found %d allocation errors and %d consistency errors in table '%ls' (object ID %d).
8991	0x%.8x + 0x%.8x bytes is not a valid address range.
8992	Database ID %d, object '%ls' (ID %d). Loop in data chain detected at %S_PGID.
8993	Object ID %d, forwarding row page %S_PGID, slot %d points to page %S_PGID, slot %d. Did not encounter forwarded row. Possible allocation error.
8994	Object ID %d, forwarded row page %S_PGID, slot %d should be pointed to by forwarding row page %S_PGID, slot %d. Did not encounter forwarding row. Possible allocation error.
8995	System table '%.*ls' (object ID %d, index ID %d) is in filegroup %d. All system tables must be in filegroup %d.
8996	IAM page %S_PGID for object ID %d, index ID %d controls pages in filegroup %d, that should be in filegroup %d.
8997	Single page allocation %S_PGID for object ID %d, index ID %d is in filegroup %d; it should be in filegroup %d.
8998	Page errors on the GAM, SGAM, or PFS pages do not allow CHECKALLOC to verify database ID %d pages from %S_PGID to %S_PGID. See other errors for cause.

Error Code	Description
8999	Database tempdb allocation errors prevent further %ls processing.

**Table 3–64: TSQL Error Codes - 9000 to 9099**

Error Code	Description
9001	The log for database '%.*ls' is not available.
9002	The log file for database '%.*ls' is full. Back up the transaction log for the database to free up some log space.
9003	The LSN %S_LSN passed to log scan in database '%.*ls' is invalid.
9004	An error occurred while processing the log for database '%.*ls'.
9005	Either start LSN or end LSN specified in OpenRowset(DBLog, ...) is invalid.
9006	Cannot shrink log file %d (%s) because total number of logical log files cannot be fewer than %d.
9007	Cannot shrink log file %d (%s) because requested size (%dKB) is larger than the start of the last logical log file.
9008	Cannot shrink log file %d (%s) because all logical log files are in use.
9009	Cannot shrink log file %d (%s) because of minimum log space required.
9010	User does not have permission to query the virtual table, DBLog. Only members of the sysadmin fixed server role and the db_owner fixed database role have this permission

**Table 3–65: TSQL Error Codes - 10000 to 10999**

Error Code	Description
10000	Unknown provider error.
10001	The provider reported an unexpected catastrophic failure.
10002	The provider did not implement the functionality.
10003	The provider ran out of memory.
10004	One or more arguments were reported invalid by the provider.
10005	The provider did not support an interface.
10006	The provider indicated an invalid pointer was used.
10007	The provider indicated an invalid handle was used.
10008	The provider terminated the operation.
10009	The provider did not give any information about the error.
10010	The data necessary to complete this operation was not yet available to the provider.
10011	Access denied.
10021	Execution terminated by the provider because a resource limit was reached.

Error Code	Description
10022	The provider called a method from IRowsetNotify in the consumer, and the method has not yet returned.
10023	The provider does not support the necessary method.
10024	The provider indicates that the user did not have the permission to perform the operation.
10025	Provider caused a server fault in an external process.
10026	No command text was set.
10027	Command was not prepared.
10028	Authentication failed.
10031	An error occurred because one or more properties could not be set.
10032	Cannot return multiple result sets (not supported by the provider).
10033	The specified index does not exist or the provider does not support an index scan on this data source.
10034	The specified table does not exist.
10035	No value was given for one or more of the required parameters.
10041	Could not set any property values.
10042	Cannot set any properties while there is an open rowset.
10051	An error occurred while setting the data.
10052	The insertion was canceled by the provider during notification.
10053	Could not convert the data value due to reasons other than sign mismatch or overflow.
10054	The data value for one or more columns overflowed the type used by the provider.
10055	The data violated the integrity constraints for one or more columns.
10056	The number of rows that have pending changes has exceeded the limit specified by the DBPROP_MAXPENDINGROWS property.
10057	Cannot create the row. Would exceed the total number of active rows supported by the rowset.
10058	The consumer cannot insert a new row before releasing previously-retrieved row handles.
10061	An error occurred while setting data for one or more columns.
10062	The change was canceled by the provider during notification.
10063	Could not convert the data value due to reasons other than sign mismatch or overflow.
10064	The data value for one or more columns overflowed the type used by the provider.
10065	The data violated the integrity constraints for one or more columns.
10066	The number of rows that have pending changes has exceeded the limit specified by the DBPROP_MAXPENDINGROWS property.

Error Code	Description
10067	The rowset was using optimistic concurrency and the value of a column has been changed after the containing row was last fetched or resynchronized.
10068	The consumer could not delete the row. A deletion is pending or has already been transmitted to the data source.
10069	The consumer could not delete the row. The insertion has been transmitted to the data source.
10075	An error occurred while deleting the row.
10081	The rowset uses integrated indexes and there is no current index.
10085	RestartPosition on the table was canceled during notification.
10086	The table was built over a live data stream and the position cannot be restarted.
10087	The provider did not release some of the existing rows.
10088	The order of the columns was not specified in the object that created the rowset. The provider had to reexecute the command to reposition the next fetch position to its initial position, and the order of the columns changed.

**Table 3–66: TSQL Error Codes - 11000 to 11999**

Error Code	Description
11000	Unknown status code for this column.
11001	Non-NULL value successfully returned.
11002	Deferred accessor validation occurred. Invalid binding for this column.
11003	Could not convert the data value due to reasons other than sign mismatch or overflow.
11004	Successfully returned a NULL value.
11005	Successfully returned a truncated value.
11006	Could not convert the data type because of a sign mismatch.
11007	Conversion failed because the data value overflowed the data type used by the provider.
11008	The provider cannot allocate memory or open another storage object on this column.
11009	The provider cannot determine the value for this column.
11010	The user did not have permission to write to the column.
11011	The data value violated the integrity constraints for the column.
11012	The data value violated the schema for the column.
11013	The column had a bad status.
11014	The column used the default value.
11015	The column was skipped when setting data.
11031	The row was successfully deleted.

Error Code	Description
11032	The table was in immediate-update mode, and deleting a single row caused more than one row to be deleted in the data source.
11033	The row was released even though it had a pending change.
11034	Deletion of the row was canceled during notification.
11036	The rowset was using optimistic concurrency and the value of a column has been changed after the containing row was last fetched or resynchronized.
11037	The row has a pending delete or the deletion had been transmitted to the data source.
11038	The row is a pending insert row.
11039	DBPROP_CHANGEINSERTEDROWS was VARIANT_FALSE and the insertion for the row has been transmitted to the data source.
11040	Deleting the row violated the integrity constraints for the column or table.
11041	The row handle was invalid or was a row handle to which the current thread does not have access rights.
11042	Deleting the row would exceed the limit for pending changes specified by the rowset property DBPROP_MAXPENDINGROWS.
11043	The row has a storage object open.
11044	The provider ran out of memory and could not fetch the row.
11045	User did not have sufficient permission to delete the row.
11046	The table was in immediate-update mode and the row was not deleted due to reaching a limit on the server, such as query execution timing out.
11047	Updating did not meet the schema requirements.
11048	There was a recoverable, provider-specific error, such as an RPC failure.
11100	The provider indicates that conflicts occurred with other properties or requirements.
11101	Could not obtain an interface required for text, ntext, or image access.
11102	The provider could not support a required row lookup interface.
11103	The provider could not support an interface required for the UPDATE/DELETE/INSERT statements.
11104	The provider could not support insertion on this table.
11105	The provider could not support updates on this table.
11106	The provider could not support deletion on this table.
11107	The provider could not support a row lookup position.
11108	The provider could not support a required property.
11109	The provider does not support an index scan on this data source.

**Table 3–67: TSQL Error Codes - 13000 to 13999**

Error Code	Description
13001	data page
13002	index page
13003	leaf page
13004	last
13005	root
13006	read from
13007	send to
13008	receive
13009	send
13010	read
13011	wait
13012	a USE database statement
13013	a procedure or trigger
13014	a DISTINCT clause
13015	a view
13016	an INTO clause
13017	an ORDER BY clause
13018	a COMPUTE clause
13019	a SELECT INTO statement
13020	option
13021	offset option
13022	statistics option
13023	parameter option
13024	function name
13025	varbinary (128) NOT NULL
13026	parameter
13027	convert specification
13028	index
13029	table
13030	database
13031	procedure
13032	trigger
13033	view

Error Code	Description
13034	default
13035	rule
13036	system table
13037	unknown type
13038	SET statement
13039	column
13040	type
13041	character string
13042	integer
13043	identifier
13044	number
13045	integer value
13046	floating point value
13047	object
13048	column heading
13076	an assignment
13077	a cursor declaration
13078	replication filter
13079	variable assignment
13080	statistics
13081	file
13082	filegroup
13083	server
13084	write
13085	function
13086	database collation
13087	drop
13088	alter

**Table 3–68: TSQL Error Codes - 14000 to 14999**

Error Code	Description
14002	Could not find the 'Sync' subsystem with the task ID %ld.
14003	You must supply a publication name.
14004	%s must be in the current database.

Error Code	Description
14005	Could not drop publication. A subscription exists to it.
14006	Could not drop the publication.
14008	There are no publications.
14009	There are no articles for publication '%s'.
14010	The remote server is not defined as a subscription server.
14012	The @status parameter value must be either 'active' or 'inactive'.
14013	This database is not enabled for publication.
14014	The synchronization method (@sync_method) must be '[bcp] native', '[bcp] character', 'concurrent' or 'concurrent_c'.
14015	The replication frequency (@repl_freq) must be either 'continuous' or 'snapshot'.
14016	The publication '%s' already exists.
14017	Invalid @restricted parameter value. Valid options are 'true' or 'false'.
14018	Could not create the publication.
14019	The @operation parameter value must be either 'add' or 'drop'.
14020	Could not obtain the column ID for the specified column. Schema replication failed.
14021	The column was not added correctly to the article.
14022	The @property parameter value must be either 'description', 'sync_object', 'type', 'ins_cmd', 'del_cmd', 'upd_cmd', 'filter', 'dest_table', 'dest_object', 'creation_script', 'pre_creation_cmd', 'status', 'schema_option', or 'destination_owner'.
14023	The type must be '[indexed view] logbased', '[indexed view] logbased manualfilter', '[indexed view] logbased manualview', '[indexed view] logbased manualboth', or '( view   indexed view   proc   func ) schema only'.
14025	Article update successful.
14027	%s does not exist in the current database.
14028	Only user tables, materialized views, and stored procedures can be published as 'logbased' articles.
14029	The vertical partition switch must be either 'true' or 'false'.
14030	The article '%s' exists in publication '%s'.
14031	User tables and views are the only valid synchronization objects.
14032	The value of parameter %s cannot be 'all'. It is reserved by replication stored procedures.
14033	Could not change replication frequency because there are active subscriptions on the publication.
14034	The publication name (@publication) cannot be the keyword 'all'.
14035	The replication option '%s' of database '%s' has already been set to true.
14036	Could not enable database for publishing.



Error Code	Description
14037	The replication option '%s' of database '%s' has been set to false.
14038	Could not disable database for publishing.
14039	Could not construct column clause for article view. Reduce the number of columns or create the view manually.
14040	The server '%s' is already a Subscriber.
14042	Could not create Subscriber.
14043	The parameter %s cannot be NULL.
14046	Could not drop article. A subscription exists on it.
14047	Could not drop %s.
14048	The server '%s' is not a Subscriber.
14049	Stored procedures for replication are the only objects that can be used as a filter.
14050	No subscription is on this publication or article.
14051	The parameter value must be 'sync_type' or 'dest_db'.
14052	The @sync_type parameter value must be 'automatic' or 'none'.
14053	The subscription could not be updated at this time.
14054	The subscription was updated successfully.
14055	The subscription does not exist.
14056	The subscription could not be dropped at this time.
14057	The subscription could not be created.
14058	The subscription already exists.
14059	Materialized view articles cannot be created for publications with the properties allow_sync_tran, allow_queued_tran, or allow_dts.
14061	The @pre_creation_cmd parameter value must be 'none', 'drop', 'delete', or 'truncate'.
14062	The Subscriber was dropped.
14063	The remote server does not exist or has not been designated as a valid Subscriber.
14065	The @status parameter value must be 'initiated', 'active', 'inactive', or 'subscribed'.
14066	The previous status must be 'active', 'inactive', or 'subscribed'.
14067	The status value is the same as the previous status value.
14068	Could not update sysobjects. The subscription status could not be changed.
14069	Could not update sysarticles. The subscription status could not be changed.
14070	Could not update the distribution database subscription table. The subscription status could not be changed.
14071	Could not find the Distributor or the distribution database for the local server. The Distributor may not be installed, or the local server may not be configured as a Publisher at the Distributor.

Error Code	Description
14074	The server '%s' is already listed as a Publisher.
14075	The Publisher could not be created at this time.
14076	Could not grant replication login permission to '%s'.
14077	The publication was updated successfully.
14078	The parameter must be 'description', 'taskid', 'sync_method', 'status', 'repl_freq', 'restricted', 'retention', 'immediate_sync', 'enabled_for_internet', 'allow_push', 'allow_pull', 'allow_anonymous', or 'retention'.
14080	The remote server does not exist or has not been designated as a valid Publisher.
14085	The Subscriber information could not be obtained from the Distributor.
14088	The table '%s' must have a primary key to be published using the transaction-based method.
14089	The clustered index on materialized view '%s' may not contain nullable columns if it is to be published using the transaction-based method.
14090	Error evaluating article synchronization object after column drop. The filter clause for article '%s' must not reference the dropped column.
14091	The @type parameter passed to sp_helpreplicationdb must be either 'pub' or 'sub'.
14092	Could not change article because there is an existing subscription to the article.
14093	Cannot grant or revoke access directly on publication '%s' because it uses the default publication access list.
14094	Could not subscribe to article '%s' because heterogeneous Subscriber '%s' does not support the @pre_creation_cmd parameter value 'truncate'.
14095	Could not subscribe to publication '%s' because heterogeneous Subscriber '%s' only supports the @sync_method parameter value 'bcp character'.
14096	The path and name of the table creation script must be specified if the @pre_creation_cmd parameter value is 'drop'.
14097	The 'status' value must be 'no column names', 'include column names', 'string literals', 'parameters', 'DTS horizontal partitions' or 'no DTS horizontal partitions'.
14098	Cannot drop Distribution Publisher '%s'. The remote Publisher is using '%s' as Distributor.
14099	The server '%s' is already defined as a Distributor.

**Table 3–69: TSQL Error Codes - 14100 to 14199**

Error Code	Description
14100	Specify all articles when subscribing to a publication using concurrent snapshot processing.
14101	The publication '%s' already has a Snapshot Agent defined.
14102	Specify all articles when unsubscribing from a publication using concurrent snapshot processing.

Error Code	Description
14105	You have updated the distribution database property '%s' successfully.
14106	Distribution retention periods must be greater than 0.
14107	The @max_distretention value must be larger than the @min_distretention value.
14108	Removed %ld history records from %s.
14109	The @security_mode parameter value must be 0 (SQL Server Authentication) or 1 (Windows Authentication).
14110	For stored procedure articles, the @property parameter value must be 'description', 'dest_table', 'dest_object', 'creation_script', 'pre_creation_cmd', 'schema_option', or 'destination_owner'.
14111	The @pre_creation_cmd parameter value must be 'none' or 'drop'.
14112	This procedure can be executed only against table-based articles.
14113	Could not execute '%s'. Check '%s' in the install directory.
14114	'%s' is not configured as a Distributor.
14115	The property parameter value must be %s.
14117	'%s' is not configured as a distribution database.
14118	A stored procedure can be published only as a 'serializable proc exec' article, a 'proc exec' article, or a 'proc schema only' article.
14119	Could not add the distribution database '%s'. This distribution database already exists.
14120	Could not drop the distribution database '%s'. This distributor database is associated with a Publisher.
14121	Could not drop the Distributor '%s'. This Distributor has associated distribution databases.
14122	The @article parameter value must be 'all' for immediate_sync publications.
14123	The subscription @sync_type parameter value 'manual' is no longer supported.
14124	A publication must have at least one article before a subscription to it can be created.
14126	You do not have the required permissions to complete the operation.
14128	Invalid @subscription_type parameter value. Valid options are 'push' or 'pull'.
14129	The @status parameter value must be NULL for 'automatic' sync_type when you add subscriptions to an immediate_sync publication.
14135	There is no subscription on Publisher '%s', publisher database '%s', publication '%s'.
14136	The keyword 'all' is reserved by replication stored procedures.
14137	The @value parameter value must be either 'true' or 'false'.
14138	Invalid option name '%s'.
14139	The replication system table '%s' already exists.

Error Code	Description
14143	Cannot drop Distributor Publisher '%s'. There are Subscribers associated with it in the distribution database '%s'.
14144	Cannot drop Subscriber '%s'. There are subscriptions from it in the publication database '%s'.
14146	The article parameter '@schema_option' cannot be NULL.
14147	Restricted publications are no longer supported.
14148	Invalid '%s' value. Valid values are 'true' or 'false'.
14149	Removed %ld replication history records in %s seconds (%ld row/secs).
14150	Replication-%s: agent %s succeeded. %s
14151	Replication-%s: agent %s failed. %s
14152	Replication-%s: agent %s scheduled for retry. %s
14153	Replication-%s: agent %s warning. %s
14154	The Distributor parameter must be '@heartbeat_interval'.
14155	Invalid article ID specified for procedure script generation.
14156	The custom stored procedure was not specified in the article definition.
14157	The subscription created by Subscriber '%s' to publication '%s' has expired and has been dropped.
14158	Replication-%s: agent %s: %s.
14159	Could not change property '%s' for article '%s' because there is an existing subscription to the article.
14199	The specified job "%s" is not created for maintenance plans.

**Table 3–70: TSQL Error Codes - 14200 to 14299**

Error Code	Description
14200	The specified '%s' is invalid.
14201	0 (all steps) ..
14202	before or after @active_start_time
14203	sp_helplogins [excluding Windows NT groups]
14204	0 (non-idle), 1 (executing), 2 (waiting for thread), 3 (between retries), 4 (idle), 5 (suspended), 7 (performing completion actions)
14205	(unknown)
14206	0..n seconds
14207	-1 [no maximum], 0..n
14208	1..7 [1 = E-mail, 2 = Pager, 4 = NetSend]
14209	0..127 [1 = Sunday .. 64 = Saturday]
14210	notification

Error Code	Description
14211	server
14212	(all jobs)
14213	Core Job Details:
14214	Job Steps:
14215	Job Schedules:
14216	Job Target Servers:
14217	SQL Server Warning: '%s' has performed a forced defection of TSX server '%s'. Run sp_delete_targetserver at the MSX in order to complete the defection.
14218	hour
14219	minute
14220	second
14221	This job has one or more notifications to operators other than '%s'. The job cannot be targeted at remote servers as currently defined.
14222	Cannot rename the '%s' operator.
14223	Cannot modify or delete operator '%s' while this server is a %s.
14224	Warning: The server name given is not the current MSX server ('%s').
14225	Warning: Could not determine local machine name. This prevents MSX operations from being posted.
14226	%ld history entries purged.
14227	Server defected from MSX '%s'. %ld job(s) deleted.
14228	Server MSX enlistment changed from '%s' to '%s'.
14229	Server enlisted into MSX '%s'.
14230	SP_POST_MSX_OPERATION: %ld %s download instruction(s) posted.
14231	SP_POST_MSX_OPERATION Warning: The specified %s ('%s') is not involved in a multiserver job.
14232	Specify either a job_name, job_id, or an originating_server.
14233	Specify a valid job_id (or 0x00 for all jobs).
14234	The specified '%s' is invalid (valid values are returned by %s).
14235	The specified '%s' is invalid (valid values are greater than 0 but excluding %ld).
14236	Warning: Non-existent step referenced by %s.
14237	When an action of 'REASSIGN' is specified, the New Login parameter must also be supplied.
14238	%ld jobs deleted.
14239	%ld jobs reassigned to %s.
14240	Job applied to %ld new servers.

Error Code	Description
14241	Job removed from %ld servers.
14242	Only a system administrator can reassign ownership of a job.
14243	Job '%s' started successfully.
14244	Only a system administrator can reassign tasks.
14245	Specify either the @name, @id, or @loginname of the task(s) to be deleted.
14246	Specify either the @currentname or @id of the task to be updated.
14247	Only a system administrator can view tasks owned by others.
14248	This login is the owner of %ld job(s). You must delete or reassign these jobs before the login can be dropped.
14249	Specify either @taskname or @oldloginname when reassigning a task.
14250	The specified %s is too long. It must contain no more than %ld characters.
14251	Cannot specify '%s' as the operator to be notified.
14252	Cannot perform this action on a job you do not own.
14253	%ld (of %ld) job(s) stopped successfully.
14254	Job '%s' stopped successfully.
14255	The owner ('%s') of this job is either an invalid login, or is not a valid user of database '%s'.
14256	Cannot start job '%s' (ID %s) because it does not have any job server(s) defined.
14257	Cannot stop job '%s' (ID %s) because it does not have any job server(s) defined.
14258	Cannot perform this operation while SQLServerAgent is starting. Try again later.
14259	A schedule (ID %ld, '%s') for this job with this definition already exists.
14260	You do not have sufficient permission to run this command.
14261	The specified %s ('%s') already exists.
14262	The specified %s ('%s') does not exist.
14263	Target server '%s' is already a member of group '%s'.
14264	Target server '%s' is not a member of group '%s'.
14265	The MSSQLServer service terminated unexpectedly.
14266	The specified '%s' is invalid (valid values are: %s).
14267	Cannot add a job to the '%s' job category.
14268	There are no jobs at this server that originated from server '%s'.
14269	Job '%s' is already targeted at server '%s'.
14270	Job '%s' is not currently targeted at server '%s'.
14271	A target server cannot be named '%s'.
14272	Object-type and object-name must be supplied as a pair.

Error Code	Description
14273	You must provide either @job_id or @job_name (and, optionally, @schedule_name), or @schedule_id.
14274	Cannot add, update, or delete a job (or its steps or schedules) that originated from an MSX server.
14275	The originating server must be either '(local)' or '%s'.
14276	'%s' is a permanent %s category and cannot be deleted.
14277	The command script does not destroy all the objects that it creates. Revise the command script.
14278	The schedule for this job is invalid (reason: %s).
14279	Supply either @job_name or @originating_server.
14280	Supply either a job name (and job aspect), or one or more job filter parameters.
14281	Warning: The @new_owner_login_name parameter is not necessary when specifying a 'DELETE' action.
14282	Supply either a date (created or last modified) and a data comparator, or no date parameters at all.
14283	Supply @target_server_groups or @target_servers, or both.
14284	Cannot specify a job ID for a new job. An ID will be assigned by the procedure.
14285	Cannot add a local job to a multiserver job category.
14286	Cannot add a multiserver job to a local job category.
14287	The '%s' supplied has an invalid %s.
14288	%s cannot be before %s.
14289	%s cannot contain '%s' characters.
14290	This job is currently targeted at the local server so cannot also be targeted at a remote server.
14291	This job is currently targeted at a remote server so cannot also be targeted at the local server.
14292	There are two or more tasks named '%s'. Specify %s instead of %s to uniquely identify the task.
14293	There are two or more jobs named '%s'. Specify %s instead of %s to uniquely identify the job.
14294	Supply either %s or %s to identify the job.
14295	Frequency Type 0x2 (OnDemand) is no longer supported.
14296	This server is already enlisted into MSX '%s'.
14297	Cannot enlist into the local machine.
14298	This server is not currently enlisted into an MSX.
14299	Server '%s' is an MSX. Cannot enlist one MSX into another MSX.

**Table 3–71: TSQL Error Codes - 14300 to 14399**

Error Code	Description
14300	Circular dependencies exist. Dependency evaluation cannot continue.
14301	Logins other than the current user can only be seen by members of the sysadmin role.
14302	You must upgrade your client to version 6.5 of SQL-DMO and SQL Server Enterprise Manager to connect to this server. The upgraded versions will administer both SQL Server version 6.5 and 6.0 (if sqlole65.sql is run).
14303	Stored procedure '%s' failed to access registry key.
14304	Stored procedure '%s' can run only on Windows 2000 servers.
14350	Cannot initialize COM library because CoInitialize failed.
14351	Cannot complete this operation because an unexpected error occurred.
14352	Cannot find Active Directory information in the registry for this SQL Server instance. Run sp_ActiveDirectory_SCP again.
14353	Cannot determine the service account for this SQL Server instance.
14354	Cannot start the MSSQLServerADHelper service. Verify that the service account for this SQL Server instance has the necessary permissions to start the MSSQLServerADHelper service.
14355	The MSSQLServerADHelper service is busy. Retry this operation later.
14356	The Windows Active Directory client is not installed properly on the computer where this SQL Server instance is running. LoadLibrary failed to load ACTIVEDS.DLL.
14357	Cannot list '%s' in Active Directory because the name is too long. Active Directory common names cannot exceed 64 characters.
14358	Cannot determine the SQL Server Agent proxy account for this SQL Server instance or the account is not a domain user account. Use xp_sqlagent_proxy_account to configure SQL Server Agent to use a domain user account as the proxy account.

**Table 3–72: TSQL Error Codes - 14400 to 14499**

Error Code	Description
14410	You must supply either a plan_name or a plan_id.
14411	Cannot delete this plan. The plan contains enlisted databases.
14412	The destination database is already part of a log shipping plan.
14413	This database is already log shipping.
14414	A log shipping monitor is already defined.
14415	The user name cannot be null when using SQL Server authentication.
14416	This stored procedure must be run in msdb.
14417	Cannot delete the monitor server while databases are participating in log shipping.



Error Code	Description
14418	The specified @backup_file_name was not created from database '%s'.
14419	The specified @backup_file_name is not a database backup.
14420	The log shipping source %s.%s has not backed up for %s minutes.
14421	The log shipping destination %s.%s is out of sync by %s minutes.
14422	Supply either @plan_id or @plan_name.
14423	Other databases are enlisted on this plan and must be removed before the plan can be deleted.
14424	The database '%s' is already involved in log shipping.
14425	The database '%s' does not seem to be involved in log shipping.
14426	A log shipping monitor is already defined. Call sp_define_log_shipping_monitor with @delete_existing = 1.
14427	A user name is necessary for SQL Server security.
14428	Could not remove the monitor as there are still databases involved in log shipping.
14429	There are still secondary servers attached to this primary.
14430	Invalid destination path %s.
14440	Could not set single user mode.
14441	Role change succeeded.
14442	Role change failed.
14450	The specified @backup_file_name was not taken from database '%s'.
14451	The specified @backup_file_name is not a database backup.

**Table 3–73: TSQL Error Codes - 14500 to 14599**

Error Code	Description
14500	Supply either a non-zero message ID, non-zero severity, or non-null performance condition.
14501	An alert ('%s') has already been defined on this condition.
14502	The @target_name parameter must be supplied when specifying an @enum_type of 'TARGET'.
14503	The @target_name parameter should not be supplied when specifying an @enum_type of 'ALL' or 'ACTUAL'.
14504	'%s' is the fail-safe operator. You must make another operator the fail-safe operator before '%s' can be dropped.
14505	Specify a null %s when supplying a performance condition.
14506	Cannot set alerts on message ID %ld.
14507	A performance condition must be formatted as: 'object_name counter_name instance_name comparator(> or < or =) numeric value'.

Error Code	Description
14539	Only a Standard or Enterprise edition of SQL Server can be enlisted into an MSX.
14540	Only a SQL Server running on Microsoft Windows NT can be enlisted into an MSX.
14541	The version of the MSX (%s) is not recent enough to support this TSX. Version %s or later is required at the MSX.
14542	It is invalid for any TSQL step of a multiserver job to have a non-null %s value.
14543	Login '%s' owns one or more multiserver jobs. Ownership of these jobs can only be assigned to members of the %s role.
14544	This job is owned by '%s'. Only a job owned by a member of the %s role can be a multiserver job.
14545	The %s parameter is not valid for a job step of type '%s'.
14546	The %s parameter is not supported on Windows 95/98 platforms.
14547	Warning: This change will not be downloaded by the target server(s) until an %s for the job is posted using %s.
14548	Target server '%s' does not have any jobs assigned to it.
14549	(Description not requested.)
14550	Command-Line Subsystem
14551	Replication Snapshot Subsystem
14552	Replication Transaction-Log Reader Subsystem
14553	Replication Distribution Subsystem
14554	Replication Merge Subsystem
14555	Active Scripting Subsystem
14556	Transact-SQL Subsystem
14557	[Internal]
14558	(encrypted command)
14559	(append output file)
14560	(include results in history)
14561	(normal)
14562	(quit with success)
14563	(quit with failure)
14564	(goto next step)
14565	(goto step)
14566	(idle)
14567	(below normal)
14568	(above normal)

Error Code	Description
14569	(time critical)
14570	(Job outcome)
14571	No description available.
14572	@freq_interval must be at least 1 for a daily job.
14573	@freq_interval must be a valid day of the week bitmask [Sunday = 1 .. Saturday = 64] for a weekly job.
14574	@freq_interval must be between 1 and 31 for a monthly job.
14575	@freq_relative_interval must be one of 1st (0x1), 2nd (0x2), 3rd [0x4], 4th (0x8) or Last (0x10).
14576	@freq_interval must be between 1 and 10 (1 = Sunday .. 7 = Saturday, 8 = Day, 9 = Weekday, 10 = Weekend-day) for a monthly-relative job.
14577	@freq_recurrence_factor must be at least 1.
14578	Starts whenever the CPU usage has remained below %ld percent for %ld seconds.
14579	Automatically starts when SQLServerAgent starts.
14580	job
14581	Replication Transaction Queue Reader Subsystem
14585	Only the owner of DTS Package '%s' or a member of the sysadmin role may reassign its ownership.
14586	Only the owner of DTS Package '%s' or a member of the sysadmin role may create new versions of it.
14587	Only the owner of DTS Package '%s' or a member of the sysadmin role may drop it or any of its versions.
14588	ID.VersionID =
14589	[not specified]
14590	DTS Package '%s' already exists with a different ID in this category.
14591	DTS Category '%s' already exists in the specified parent category.
14592	DTS Category '%s' was found in multiple parent categories. You must uniquely specify the category to be dropped.
14593	DTS Category '%s' contains packages and/or other categories. You must drop these first, or specify a recursive drop.
14594	DTS Package
14595	DTS Package '%s' exists in different categories. You must uniquely specify the package.
14596	DTS Package '%s' exists in another category.
14597	DTS Package ID '%s' already exists with a different name.
14598	Cannot drop the Local, Repository, or LocalDefault DTS categories.
14599	Name

**Table 3–74: TSQL Error Codes - 15000 to 15099**

Error Code	Description
15001	Object '%ls' does not exist or is not a valid object for this operation.
15002	The procedure '%s' cannot be executed within a transaction.
15003	Only members of the %s role can execute this stored procedure.
15004	Name cannot be NULL.
15005	Statistics for all tables have been updated.
15006	'%s' is not a valid name because it contains invalid characters.
15007	The login '%s' does not exist.
15008	User '%s' does not exist in the current database.
15009	The object '%s' does not exist in database '%s'.
15010	The database '%s' does not exist. Use sp_helpdb to show available databases.
15011	Database option '%s' does not exist.
15012	The device '%s' does not exist. Use sp_helpdevice to show available devices.
15013	Table '%s': No columns without statistics found.
15014	The role '%s' does not exist in the current database.
15015	The server '%s' does not exist. Use sp_helpserver to show available servers.
15016	The default '%s' does not exist.
15017	The rule '%s' does not exist.
15018	Table '%s': Creating statistics for the following columns:
15019	The extended stored procedure '%s' does not exist.
15020	Statistics have been created for the %d listed columns of the above tables.
15021	There are no remote users mapped to any local user from remote server '%s'.
15022	The specified user name is already aliased.
15023	User or role '%s' already exists in the current database.
15024	The group '%s' already exists in the current database.
15025	The login '%s' already exists.
15026	Logical device '%s' already exists.
15027	There are no remote users mapped to local user '%s' from remote server '%s'.
15028	The server '%s' already exists.
15029	The data type '%s' already exists in the current database.
15030	The read-only bit cannot be turned off because the database is in standby mode.
15031	'Virtual_device' device added.
15032	The database '%s' already exists.
15033	'%s' is not a valid official language name.

Error Code	Description
15034	The application role password must not be NULL.
15035	'%s' is not a database device.
15036	The data type '%s' does not exist.
15037	The physical data type '%s' does not allow nulls.
15038	User-defined data types based on timestamp are not allowed.
15039	The language %s already exists in syslanguages.
15040	User-defined error messages must have an ID greater than 50000.
15041	User-defined error messages must have a severity level between 1 and 25.
15043	You must specify 'REPLACE' to overwrite an existing message.
15044	'%s' is an unknown device type. Use 'disk', 'tape', or 'pipe'.
15045	The logical name cannot be NULL.
15046	The physical name cannot be NULL.
15047	The only permitted options for a tape device are 'skip' and 'noskip'.
15048	Valid values of database compatibility level are %d, %d, %d, or %d.
15049	Cannot unbind from '%s'. Use ALTER TABLE DROP CONSTRAINT.
15050	Cannot bind default '%s'. The default must be created using the CREATE DEFAULT statement.
15051	Cannot rename the table because it is published for replication.
15052	Prior to updating sysdatabases entry for database '%s', mode = %d and status = %d (status suspect_bit = %d).
15053	Objects exist which are not owned by the database owner.
15054	The current compatibility level is %d.
15055	Error. Updating sysdatabases returned @@error <> 0.
15056	No row in sysdatabases was updated because mode and status are already correctly reset. No error and no changes made.
15057	List of %s name contains spaces, which are not allowed.
15058	List of %s has too few names.
15059	List of %s has too many names.
15060	List of %s names contains name(s) which have '%s' non-alphabetic characters.
15061	Add device request denied. A physical device named '%s' already exists.
15062	The guest user cannot be mapped to a login name.
15063	The login already has an account under a different user name.
15064	PRIMARY KEY and UNIQUE KEY constraints do not have space allocated.
15065	All user IDs have been assigned.
15066	A default-name mapping of a remote login from remote server '%s' already exists.

Error Code	Description
15067	'%s' is not a local user. Remote login denied.
15068	A remote user '%s' already exists for remote server '%s'.
15069	One or more users are using the database. The requested operation cannot be completed.
15070	Object '%s' was successfully marked for recompilation.
15071	Usage: sp_addmessage <msgnum>,<severity>,<msgtext> [,<language> [,FALSE   TRUE [,REPLACE]]]
15072	Usage: sp_addremotelogin remoteserver [, loginame [,remotename]]
15073	For row in sysdatabases for database '%s', the status bit %d was forced off and mode was forced to 0.
15074	Warning: You must recover this database prior to access.
15075	The data type '%s' is reserved for future use.
15076	Default, table, and user data types must be in the current database.
15077	Rule, table, and user data type must be in the current database.
15078	The table or view must be in the current database.
15079	Queries processed: %d.
15081	Membership of the public role cannot be changed.
15082	NULL is not an acceptable parameter value for this procedure. Use a percent sign instead.
15083	Physical data type '%s' does not accept a collation
15084	The column or user data type must be in the current database.
15085	Usage: sp_addtype name, 'data type' [, 'NULL'   'NOT NULL']
15086	Invalid precision specified. Precision must be between 1 and 38.
15087	Invalid scale specified. Scale must be less than precision and positive.
15088	The physical data type is fixed length. You cannot specify the length.
15089	Cannot change the '%s' option of a database while another user is in the database.
15090	There is already a local server.
15091	You must specify a length with this physical data type.
15092	Invalid length specified. Length must be between 1 and 8000 bytes.
15093	'%s' is not a valid date order.
15094	'%s' is not a valid first day.
15095	Insert into syslanguages failed. Language not added.
15097	The size associated with an extended property cannot be more than 7,500 bytes.

**Table 3–75: TSQL Error Codes - 15100 to 15199**

Error Code	Description
15100	Usage: sp_bindefault defaultname, objectname [, 'futureonly']
15101	Cannot bind a default to a column of data type timestamp.
15102	Cannot bind a default to an identity column.
15103	Cannot bind a default to a column created with or altered to have a default value.
15104	You do not own a table named '%s' that has a column named '%s'.
15105	You do not own a data type with that name.
15106	Usage: sp_bindrule rulename, objectname [, 'futureonly']
15107	Cannot bind a rule to a column of data type text, ntext, image, or timestamp.
15109	Cannot change the owner of the master database.
15110	The proposed new database owner is already a user in the database.
15111	The proposed new database owner is already aliased in the database.
15112	The third parameter for table option 'text in row' is invalid. It should be 'on', 'off', '0', or a number from 24 through 7000.
15123	The configuration option '%s' does not exist, or it may be an advanced option.
15124	The configuration option '%s' is not unique.
15125	Trigger '%s' is not a trigger for '%s'.
15126	Trigger '%s' was not found.
15127	Cannot set the default language to a language ID not defined in syslanguages.
15129	'%d' is not a valid value for configuration option '%s'.
15130	Table '%s' already has a '%s' trigger for '%s'.
15131	Usage: sp_dbremove <dbname> [,dropdev]
15132	Cannot change default database belonging to someone else.
15133	INSTEAD OF trigger '%s' cannot be associated with an order.
15134	No alias exists for the specified user.
15135	Object is invalid. Extended properties are not permitted on '%s', or the object does not exist.
15139	The device is a RAM disk and cannot be used as a default device.
15140	Usage: sp_diskdefault logicalname {defaulton   defaultoff}
15142	Cannot drop the role '%s'.
15143	'%s' is not a valid option for the @updateusage parameter. Enter either 'true' or 'false'.
15144	The role has members. It must be empty before it can be dropped.
15174	Login '%s' owns one or more database(s). Change the owner of the following database(s) before dropping login:

Error Code	Description
15175	Login '%s' is aliased or mapped to a user in one or more database(s). Drop the user or alias before dropping the login.
15176	The only valid @parameter value is 'WITH_LOG'.
15177	Usage: sp_dropmessage <msg number> [,<language>   'ALL']
15178	Cannot drop a message with an ID less than 50000.
15179	Message number %u does not exist.
15180	Cannot drop. The data type is being used.
15181	Cannot drop the database owner.
15182	Cannot drop the guest user from master or tempdb.
15183	The user owns objects in the database and cannot be dropped.
15184	The user owns data types in the database and cannot be dropped.
15185	There is no remote user '%s' mapped to local user '%s' from the remote server '%s'.
15190	There are still remote logins for the server '%s'.
15191	Usage: sp_dropserver server [, droplogins]
15193	This procedure can only be used on system tables.
15194	Cannot re-create index on this table.
15197	There is no text for object '%s'.
15198	The name supplied (%s) is not a user, role, or aliased login.

**Table 3–76: TSQL Error Codes - 15200 to 15299**

Error Code	Description
15200	There are no remote servers defined.
15201	There are no remote logins for the remote server '%s'.
15202	There are no remote logins defined.
15203	There are no remote logins for '%s'.
15204	There are no remote logins for '%s' on remote server '%s'.
15205	There are no servers defined.
15206	Invalid Remote Server Option: '%s'.
15210	Only members of the sysadmin role can use the loginame option. The password was not changed.
15211	Old (current) password incorrect for user. The password was not changed.
15216	'%s' is not a valid option for the @delfile parameter.
15217	Property cannot be updated or deleted. Property '%s' does not exist for '%s'.
15218	Object '%s' is not a table.



Error Code	Description
15220	Usage: sp_remotoption [remoteserver, loginame, remotename, optname, {true   false}]
15221	Remote login option does not exist or cannot be set by user. Run sp_remotoption with no parameters to see options.
15222	Remote login option '%s' is not unique.
15223	Error: The input parameter '%s' is not allowed to be null.
15224	Error: The value for the @newname parameter contains invalid characters or violates a basic restriction (%s).
15225	No item by the name of '%s' could be found in the current database '%s', given that @itemtype was input as '%s'.
15227	The database '%s' cannot be renamed.
15228	A member of the sysadmin role must set database '%s' to single user mode with sp_dboption before it can be renamed.
15233	Property cannot be added. Property '%s' already exists for '%s'.
15234	Object is stored in sysprocedures and has no space allocated directly.
15235	Views do not have space allocated.
15236	Column '%s' has no default.
15237	User data type '%s' has no default.
15238	Column '%s' has no rule.
15239	User data type '%s' has no rule.
15241	Usage: sp_dboption [dbname [,optname [, 'true'   'false']]]
15242	Database option '%s' is not unique.
15243	The option '%s' cannot be changed for the master database.
15244	Only members of the sysadmin role or the database owner may set database options.
15245	DBCC DBCONTROL error. Database was not placed offline.
15247	User does not have permission to perform this action.
15248	Error: The parameter @oldname is either ambiguous or the claimed @itemtype (%s) was wrong.
15249	Error: Explicit @itemtype '%s' is unrecognized (%d).
15250	The database name component of the object qualifier must be the name of the current database.
15251	Invalid '%s' specified. It must be %s.
15252	The primary or foreign key table name must be given.
15253	Syntax error parsing SQL identifier '%s'.
15254	Users other than the database owner or guest exist in the database. Drop them before removing the database.

Error Code	Description
15255	'%s' is not a valid value for @autofix. The only valid value is 'auto'.
15256	Usage: sp_certify_removable <dbname> [, 'auto']
15257	The database that you are attempting to certify cannot be in use at the same time.
15258	The database must be owned by a member of the sysadmin role before it can be removed.
15261	Usage: sp_create_removable <name>, <logical>, <physical>, <size>, <logical>, <physical>, <size>, <logical>, <physical>, <size> [, <datalogical2>, <dataphysical2>, <datasize2>...<datalogical16>, <dataphysical16>, <datasize16>]
15262	Invalid file size entered. All files must be at least 1 MB.
15264	Could not create the '%s' portion of the database.
15266	Cannot make '%s' database removable.
15269	Logical data device '%s' not created.
15270	You cannot specify a length for user data types based on sysname.
15271	Invalid @with_log parameter value. Valid values are 'true' or 'false'.
15275	FOREIGN KEY constraints do not have space allocated.
15277	The only valid @parameter_value values are 'true' or 'false'.
15278	Login '%s' is already mapped to user '%s' in database '%s'.
15279	You must add the us_english version of this message before you can add the '%s' version.
15280	All localized versions of this message must be dropped before the us_english version can be dropped.
15283	The name '%s' contains too many characters.
15284	The user has granted or revoked privileges to the following in the database and cannot be dropped.
15285	The special word '%s' cannot be used for a logical device name.
15286	Terminating this procedure. The @action '%s' is unrecognized. Try 'REPORT', 'UPDATE_ONE', or 'AUTO_FIX'.
15287	Terminating this procedure. '%s' is a forbidden value for the login name parameter in this procedure.
15289	Terminating this procedure. Cannot have an open transaction when this is run.
15290	Terminating this procedure. The Action '%s' is incompatible with the other parameter values ('%s', '%s').
15291	Terminating this procedure. The %s name '%s' is absent or invalid.
15292	The row for user '%s' will be fixed by updating its login link to a login already in existence.
15293	Barring a conflict, the row for user '%s' will be fixed by updating its link to a new login. Consider changing the new password from null.

Error Code	Description
15294	The number of orphaned users fixed by adding new logins and then updating users was %d.
15295	The number of orphaned users fixed by updating users was %d.
15298	New login created.

**Table 3–77: TSQL Error Codes - 15300 to 15399**

Error Code	Description
15300	No recognized letter is contained in the parameter value for General Permission Type (%s). Valid letters are in this set: %s .
15301	Collation '%s' is supported for Unicode data types only and cannot be set at either the database or server level.
15302	Database_Name should not be used to qualify owner.object for the parameter into this procedure.
15303	The "user options" config value (%d) was rejected because it would set incompatible options.
15304	The severity level of the '%s' version of this message must be the same as the severity level (%ld) of the us_english version.
15305	The @TriggerType parameter value must be 'insert', 'update', or 'delete'.
15306	Cannot change the compatibility level of replicated or distributed databases.
15307	Could not change the merge publish option because the server is not set up for replication.
15308	You must set database '%s' to single user mode with sp_dboption before fixing indexes on system tables.
15311	The file named '%s' does not exist.
15312	The file named '%s' is a primary file and cannot be removed.
15318	All fragments for database '%s' on device '%s' are now dedicated for log usage only.
15319	Error: DBCC DBREPAIR REMAP failed for database '%s' (device '%s').
15321	There was some problem removing '%s' from sysaltfiles.
15322	File '%s' was removed from tempdb, and will take effect upon server restart.
15323	The selected index does not exist on table '%s'.
15324	The option %s cannot be changed for the '%s' database.
15325	The current database does not contain a %s named '%ls'.
15326	No extended stored procedures exist.
15327	The database is now offline.
15328	The database is offline already.
15330	There are no matching rows on which to report.

Error Code	Description
15331	The user '%s' cannot take the action auto_fix due to duplicate SID.
15333	Error: The qualified @oldname references a database (%s) other than the current database.
15335	Error: The @newname value '%s' is already in use as a %s name and would cause a duplicate that is not permitted.
15336	Object '%s' cannot be renamed because the object participates in enforced dependencies.
15337	Caution: sysdepends shows that other objects (views, procedures and so on) are referencing this object by its old name. These objects will become invalid, and should be dropped and re-created promptly.
15338	The %s was renamed to '%s'.
15339	Creating '%s'.
15340	Alias user added.
15341	Granted database access to '%s'.
15354	Usage: sp_detach_db <dbname>, [TRUE FALSE]
15358	User-defined filegroups should be made read-only.
15363	The role '%s' already exists in the current database.
15379	The server option value '%s' supplied is unrecognized.
15387	If the qualified object name specifies a database, that database must be the current database.
15388	There is no user table matching the input name '%s' in the current database.
15390	Input name '%s' does not have a matching user table or indexed view in the current database.
15394	Collation '%s' is not supported by the operating system
15395	The qualified old name could not be found for item type '%s'.
15398	Only objects in the master database owned by dbo can have the startup setting changed.
15399	Could not change startup option because this option is restricted to objects that have no parameters.

**Table 3–78: TSQL Error Codes - 15400 to 15499**

Error Code	Description
15401	Windows NT user or group '%s' not found. Check the name again.
15402	'%s' is not a fixed server role.
15405	Cannot use the reserved user or role name '%s'.
15407	'%s' is not a valid Windows NT name. Give the complete name: <domain\username>.
15409	'%s' is not a role.

Error Code	Description
15410	User or role '%s' does not exist in this database.
15412	'%s' is not a known fixed role.
15413	Cannot make a role a member of itself.
15414	Cannot set compatibility level because database has a view or computed column that is indexed. These indexes require a SQL Server compatible database.
15415	User is a member of more than one group. sp_changegroup is set up for backward compatibility and expects membership in one group at most.
15416	Usage: sp_dbcmptlevel [dbname [, compatibilitylevel]]
15417	Cannot change the compatibility level of the '%s' database.
15418	Only members of the sysadmin role or the database owner may set the database compatibility level.
15419	Supplied parameter @sid should be binary(16).
15420	The group '%s' does not exist in this database.
15421	The user owns role(s) in the database and cannot be dropped.
15422	Application roles can only be activated at the ad hoc level.
15423	The password for application role '%s' has been changed.
15424	New role added.
15425	New application role added.
15426	You must specify a provider name with this set of properties.
15427	You must specify a provider name for unknown product '%ls'.
15428	You cannot specify a provider or any properties for product '%ls'.
15429	'%ls' is an invalid product name.
15430	Limit exceeded for number of servers.
15431	You must specify the @rolename parameter.
15432	Stored procedure '%s' can only be executed at the ad hoc level.
15433	Supplied parameter @sid is in use.
15434	Could not drop login '%s' as the user is currently logged in.
15435	Database successfully published.
15436	Database successfully enabled for subscriptions.
15437	Database successfully published using merge replication.
15438	Database is already online.
15439	Database is now online.
15440	Database is no longer published.
15441	Database is no longer enabled for subscriptions.
15442	Database is no longer enabled for merge publications.

Error Code	Description
15443	Checkpointing database that was changed.
15444	'Disk' device added.
15445	'Diskette' device added.
15446	'Tape' device added.
15447	'Pipe' device added.
15449	Type added.
15450	New language inserted.
15452	No alternate languages are available.
15453	us_english is always available, even though it is not in syslanguages.
15454	Language deleted.
15456	Valid configuration options are:
15457	Configuration option '%ls' changed from %ld to %ld. Run the RECONFIGURE statement to install.
15458	Database removed.
15459	In the current database, the specified object references the following:
15460	In the current database, the specified object is referenced by the following:
15461	Object does not reference any object, and no objects reference it.
15462	File '%s' closed.
15463	Device dropped.
15467	Type has been dropped.
15469	No constraints have been defined for this object.
15470	No foreign keys reference this table.
15471	The object comments have been encrypted.
15472	The object does not have any indexes.
15473	Settable remote login options.
15475	The database is renamed and in single user mode.
15476	A member of the sysadmin role must reset the database to multiuser mode with sp_dboption.
15477	Caution: Changing any part of an object name could break scripts and stored procedures.
15478	Password changed.
15479	Login dropped.
15480	Could not grant login access to '%s'.
15481	Granted login access to '%s'.
15482	Could not deny login access to '%s'.

Error Code	Description
15483	Denied login access to '%s'.
15484	Could not revoke login access from '%s'.
15485	Revoked login access from '%s'.
15486	Default database changed.
15487	%s's default language is changed to %s.
15488	'%s' added to role '%s'.
15489	'%s' dropped from role '%s'.
15490	The dependent aliases were also dropped.
15491	User has been dropped from current database.
15492	Alias user dropped.
15493	Role dropped.
15494	The application role '%s' is now active.
15495	Application role dropped.
15496	Group changed.
15497	Could not add login using sp_addlogin (user = %s). Terminating this procedure.
15498	Inside txn_1a_, update failed. Will roll back (1a1).
15499	The dependent aliases were mapped to the new database owner.

**Table 3–79: TSQL Error Codes - 15500 to 15599**

Error Code	Description
15500	The dependent aliases were dropped.
15501	Database owner changed.
15502	Setting database owner to SA.
15503	Giving ownership of all objects to the database owner.
15504	Deleting users except guest and the database owner from sysusers.
15505	Cannot change owner of object '%ls' or one of its child objects because the new owner '%ls' already has an object with the same name.
15511	Default bound to column.
15512	Default bound to data type.
15513	The new default has been bound to columns(s) of the specified user data type.
15514	Rule bound to table column.
15515	Rule bound to data type.
15516	The new rule has been bound to column(s) of the specified user data type.
15519	Default unbound from table column.
15520	Default unbound from data type.

Error Code	Description
15521	Columns of the specified user data type had their defaults unbound.
15522	Rule unbound from table column.
15523	Rule unbound from data type.
15524	Columns of the specified user data type had their rules unbound.
15525	sp_checknames is used to search for non 7-bit ASCII characters.
15526	in several important columns of system tables. The following
15527	columns are searched:
15528	In master:
15536	In all databases:
15543	Looking for non 7-bit ASCII characters in the system tables of database '%s'.
15544	Table.column '%s'
15545	The following database names contain non 7-bit ASCII characters.
15546	If you wish to change these names, use '%s'.
15547	The following logins have default database names that contain
15548	non 7-bit ASCII characters. If you wish to change these names use
15549	sp_defaultdb.
15550	The following servers have 'initialization file' names that contain
15551	non 7-bit ASCII characters. If you wish to change these names,
15552	use UPDATE.
15553	Database '%s' has no object, user, and so on
15554	names that contain non 7-bit ASCII characters.
15555	The database name provided '%s' must be the current database when executing this stored procedure.
15564	The following device names contain non 7-bit ASCII characters.
15565	The following login names contain non 7-bit ASCII characters.
15566	The following remote login names contain non 7-bit ASCII characters.
15567	The following server names contain non 7-bit ASCII characters.
15568	The following column and parameter names contain non 7-bit ASCII characters.
15569	The following index names contain non 7-bit ASCII characters.
15570	The following object names contain non 7-bit ASCII characters.
15571	The following segment names contain non 7-bit ASCII characters.
15572	The following data type names contain non 7-bit ASCII characters.
15573	The following user or role names contain non 7-bit ASCII characters.
15574	This object does not have any statistics.



Error Code	Description
15575	This object does not have any statistics or indexes.
15576	You cannot set network name on server '%ls' because it is not a linked SQL Server.
15577	Warning: A linked server that refers to the originating server is not a supported scenario. If you wish to use a four-part name to reference a local table, please use the actual server name rather than an alias.

**Table 3–80: TSQL Error Codes - 15600 to 15699**

Error Code	Description
15600	An invalid parameter or option was specified for procedure '%s'.
15601	Full-Text Search is not enabled for the current database. Use sp_fulltext_database to enable Full-Text Search.
15604	Cannot drop full-text catalog '%ls' because it contains a full-text index.
15605	A full-text index for table '%ls' has already been created.
15606	You must first create a full-text index on table '%ls'.
15607	'%ls' is not a valid index to enforce a full-text search key. You must specify a unique, non-nullable, single-column index.
15608	Full-text search has already been activated for table '%ls'.
15609	Cannot activate full-text search for table '%ls' because no columns have been enabled for full-text search.
15610	You must deactivate full-text search on table '%ls' before adding columns to or removing columns from the full-text index.
15611	Column '%ls' of table '%ls' cannot be used for full-text search because it is not a character-based column.
15612	DBCC DBCONTROL error. Database was not made read-only.
15613	The database is now read-only.
15614	The database already is read-only.
15615	DBCC DBCONTROL error. Database was not made single user.
15616	The database is now single user.
15617	The database already is single user.
15618	The database is now read/write.
15619	The database already is read/write.
15620	The database is now multiuser.
15621	The database already is multiuser.
15622	No permission to access database '%s'.
15623	Enabling %ls option for database '%ls'.
15624	Disabling %ls option for database '%ls'.

Error Code	Description
15625	Option '%ls' not recognized for '%ls' parameter.
15626	You attempted to acquire a transactional application lock without an active transaction.
15627	sp_dboption command failed.
15630	Full-text search must be activated on table '%ls' before this operation can be performed.
15631	Full-text change tracking is currently enabled for table '%ls'.
15632	Full-text change tracking must be started on table '%ls' before full-text auto propagation can begin.
15633	Full-text auto propagation is currently enabled for table '%ls'.
15634	Full-text change tracking must be started on table '%ls' before the changes can be flushed.
15635	Cannot execute '%ls' because the database is in read-only access mode.
15636	Full-text catalog '%ls' cannot be populated because the database is in single-user access mode.
15637	Full-text index for table '%ls' cannot be populated because the database is in single-user access mode.
15638	Warning: Full-text index for table '%ls' cannot be populated because the database is in single-user access mode. Change tracking is stopped for this table. Use sp_fulltext_table to start change tracking.
15639	Warning: Table '%s' does not have the option 'text in row' enabled and has full-text indexed columns that are of type image, text, or ntext. Full-text change tracking cannot track WRITETEXT or UPDATETEXT operations performed on these columns.
15640	sp_fulltext_table 'start_full' must be executed on table '%ls'. Columns affecting the index have been added or dropped since the last index full population.
15642	The ongoing population is necessary to ensure an up-to-date index. If needed, stop change tracking, and then deactivate the full-text index population.
15643	Warning: This operation did not succeed on one or more tables. A table may be inactive, or a full-text index population may already be active.
15644	Full-text index population failed to start on this table. Execute sp_fulltext_table '%ls', '%ls' to update the index.
15645	Column '%ls' does not exist.
15646	Column '%ls' is not a computed column.
15647	No views with schema binding reference this table.

**Table 3–81: TSQL Error Codes - 16800 to 16899**

Error Code	Description
16801	sp_dropwebtask requires at least one defined parameter @outputfile or @procname.

Error Code	Description
16802	sp_dropwebtask cannot find the specified task.
16803	sp_runwebtask requires at least one defined parameter @outputfile or @procname.
16804	SQL Web Assistant: Could not establish a local connection to SQL Server.
16805	SQL Web Assistant: Could not execute the SQL statement.
16806	SQL Web Assistant: Could not bind the parameter to the SQL statement.
16807	SQL Web Assistant: Could not obtain a bind token.
16808	SQL Web Assistant: Could not find the existing trigger. This could be due to encryption.
16809	SQL Web Assistant failed on the call to SQLGetData.
16810	SQL Web Assistant failed on the call to SQLFetch.
16811	SQL Web Assistant failed to bind a results column.
16812	SQL Web Assistant: The @query parameter must be specified.
16813	SQL Web Assistant: Parameters can be passed either by name or position.
16814	SQL Web Assistant: Invalid parameter.
16815	SQL Web Assistant: @procname is not valid.
16816	SQL Web Assistant: @outputfile is not valid.
16817	SQL Web Assistant: Could not read the given file.
16820	SQL Web Assistant failed because the state of the Web task in msdb..MSwebtasks is invalid.
16821	SQL Web Assistant: Could not open the output file.
16822	SQL Web Assistant: Could not open the template file.
16823	SQL Web Assistant: Could not allocate enough memory to satisfy this request.
16824	SQL Web Assistant: The template file specified in the Web task has a bad size.
16825	SQL Web Assistant: Could not read the template file.
16826	SQL Web Assistant: Could not find the specified marker for data insertion in the template file.
16827	SQL Web Assistant: Could not write to the output file.
16828	SQL Web Assistant: @tabborder must be tinyint.
16829	SQL Web Assistant: @singlerow must be 0 or 1. Cannot specify this parameter with @nrowsperpage.
16830	SQL Web Assistant: The @blobfmt parameter specification is invalid.
16831	SQL Web Assistant: The output file name is mandatory for every column specified in the @blobfmt parameter.
16832	SQL Web Assistant: Procedure called with too many parameters.

Error Code	Description
16833	SQL Web Assistant: @nrowsperpage must be a positive number and it cannot be used with @singlerow.
16834	SQL Web Assistant: Read/write operation on text, ntext, or image column failed.
16838	SQL Web Assistant: Could not find the table in the HTML file.
16839	SQL Web Assistant: Could not find the matching end table tag in the HTML file.
16841	SQL Web Assistant: The @datachg parameter cannot be specified with the given @whentype value.
16842	SQL Web Assistant: Could not find and drop the necessary trigger for updating the Web page.
16843	SQL Web Assistant: Could not add the necessary trigger for the @datachg parameter. There could be an existing trigger on the table with missing or encrypted text.
16844	SQL Web Assistant: Incorrect syntax for the @datachg parameter.
16845	SQL Web Assistant: @datachg must be specified for the given @whentype option.
16846	SQL Web Assistant: @unittype and/or @numunits must be specified for the given @whentype option.
16847	SQL Web Assistant: @fixedfont must be 0 or 1.
16848	SQL Web Assistant: @bold must be 0 or 1.
16849	SQL Web Assistant: @italic must be 0 or 1.
16850	SQL Web Assistant: @colheaders must be 0 or 1.
16851	SQL Web Assistant: @lastupdated must be 0 or 1.
16852	SQL Web Assistant: @HTMLheader must be in the range 1 to 6.
16853	SQL Web Assistant: @username is not valid.
16854	SQL Web Assistant: @dbname is not valid.
16855	SQL Web Assistant: @whentype must be in the range 1 to 9.
16856	SQL Web Assistant: @unittype must be in the range 1 to 4.
16857	SQL Web Assistant: @targetdate is invalid. It must be a valid date after 1900-01-01.
16858	SQL Web Assistant: The @targettime parameter must be between 0 and 240000.
16859	SQL Web Assistant: @dayflags must be 1, 2, 4, 8, 16, 32, or 64.
16860	SQL Web Assistant: @numunits must be greater than 0.
16861	SQL Web Assistant: @targetdate must be specified for the given @whentype option.
16862	SQL Web Assistant: @dayflags must be specified for the given @whentype option.
16863	SQL Web Assistant: URL specification is invalid.
16864	SQL Web Assistant: @blobfmt is invalid. The file must include the full path to the output_file location.

Error Code	Description
16865	SQL Web Assistant: URL hyperlink text column must not be of the image data type.
16866	SQL Web Assistant: Could not obtain the number of columns in @query.
16867	SQL Web Assistant: URL hyperlink text column is missing in @query.
16868	SQL Web Assistant failed on the call to SQLColAttribute.
16869	SQL Web Assistant: Columns of data type image cannot have a template.
16870	SQL Web Assistant: Internal error. Could not read @ parameters.
16871	SQL Web Assistant: Invalid @charset. Execute sp_enumcodepages for a list of character sets.
16873	SQL Web Assistant: Invalid @codepage. Execute sp_enumcodepages for a list of code pages.
16874	SQL Web Assistant: Internal error. Cannot translate to the specified code page.
16875	SQL Web Assistant: Translation to the desired code page is unavailable on this system.
16876	SQL Web Assistant: Internal error. Could not obtain COM interface ID.
16877	SQL Web Assistant: Internal error. Could not obtain COM language ID.
16878	SQL Web Assistant: Internal error. Could not initialize COM library.
16879	SQL Web Assistant: Internal error. Could not translate from Unicode to the specified code page.
16880	SQL Web Assistant: Internal error. Could not create translation object. Make sure that the file MLang.dll is in your system directory.
16881	SQL Web Assistant: This version is not supported on Win32s of Windows 3.1.
16882	SQL Web Assistant: Web task not found. Verify the name of the task for possible errors.
16883	SQL Web Assistant: Could not list Web task parameters. xp_readwebtask requires @procname.
16884	SQL Web Assistant: Procedure name is required to convert Web tasks.
16885	SQL Web Assistant: Could not upgrade the Web task to 7.0. The Web task will remain in 6.5 format and will need to be re-created.
16886	SQL Web Assistant: Could not update Web tasks system table. The Web task remains in 6.5 format.
16887	SQL Web Assistant: @procname parameter is missing. The parameter is required to upgrade a Web task to 7.0.
16888	SQL Web Assistant: Source code page is not supported on the system. Ensure @charset and @codepage language files are installed on your system.
16889	SQL Web Assistant: Could not send Web task row to the client.
16890	SQL Web Assistant: ODS error occurred. Could not send Web task parameters.

**Table 3–82: TSQL Error Codes - 16900 to 16999**

Error Code	Description
16901	%hs: This feature has not been implemented yet.
16902	%hs: The value of parameter %hs is invalid.
16903	%hs procedure called with incorrect number of parameters.
16904	sp_cursor: optype: You can only specify ABSOLUTE in conjunction with DELETE or UPDATE.
16905	The cursor is already open.
16907	%hs is not allowed in cursor statements.
16909	%hs: The cursor identifier value provided (%x) is not valid.
16911	%hs: The fetch type %hs cannot be used with forward only cursors.
16914	%hs procedure called with too many parameters.
16915	A cursor with the name '%.*ls' already exists.
16916	A cursor with the name '%.*ls' does not exist.
16917	Cursor is not open.
16922	Cursor Fetch: Implicit conversion from data type %s to %s is not allowed.
16924	Cursorfetch: The number of variables declared in the INTO list must match that of selected columns.
16925	The fetch type %hs cannot be used with dynamic cursors.
16926	sp_cursoroption: The column ID (%d) does not correspond to a text, ntext, or image column.
16927	Cannot fetch into text, ntext, and image variables.
16929	The cursor is READ ONLY.
16930	The requested row is not in the fetch buffer.
16931	There are no rows in the current fetch buffer.
16932	The cursor has a FOR UPDATE list and the requested column to be updated is not in this list.
16933	The cursor does not include the table being modified or the table is not updatable through the cursor.
16934	Optimistic concurrency check failed. The row was modified outside of this cursor.
16935	No parameter values were specified for the sp_cursor-%hs statement.
16936	sp_cursor: One or more values parameters were invalid.
16937	A server cursor is not allowed on a remote stored procedure or stored procedure with more than one SELECT statement. Use a default result set or client cursor.
16938	sp_cursoropen/sp_cursorprepare: The statement parameter can only be a single select or a single stored procedure.

Error Code	Description
16940	Cannot specify UPDLOCK or TABLOCKX with READ ONLY or INSENSITIVE cursors.
16941	Cursor updates are not allowed on tables opened with the NOLOCK option.
16942	Could not generate asynchronous keyset. The cursor has been deallocated.
16943	Could not complete cursor operation because the table schema changed after the cursor was declared.
16944	Cannot specify UPDLOCK or TABLOCKX on a read-only table in a cursor.
16945	The cursor was not declared.
16946	Could not open the cursor because one or more of its tables have gone out of scope.
16947	No rows were updated or deleted.
16948	The variable '%.*Is' is not a cursor variable, but it is used in a place where a cursor variable is expected.
16949	The variable '%.*Is' is a cursor variable, but it is used in a place where a cursor variable is not valid.
16950	The variable '%.*Is' does not currently have a cursor allocated to it.
16951	The variable '%.*Is' cannot be used as a parameter because a CURSOR OUTPUT parameter must not have a cursor allocated to it before execution of the procedure.
16952	A cursor variable cannot be used as a parameter to a remote procedure call.
16953	Remote tables are not updatable. Updatable keyset-driven cursors on remote tables require a transaction with the REPEATABLE_READ or SERIALIZABLE isolation level spanning the cursor.
16954	Executing SQL directly; no cursor.
16955	Could not create an acceptable cursor.
16956	Cursor created was not of the requested type.
16957	FOR UPDATE cannot be specified on a READ ONLY cursor.
16958	Could not complete cursor operation because the set options have changed since the cursor was declared.
16959	Unique table computation failed.
16960	You have reached the maximum number of cursors allowed.
16961	One or more FOR UPDATE columns have been adjusted to the first instance of their table in the query.
16962	The target object type is not updatable through a cursor.
16963	You cannot specify scroll locking on a cursor that contains a remote table.
16996	%hs cannot take output parameters.
16998	Internal Cursor Error: A cursor work table operation failed.
16999	Internal Cursor Error: The cursor is in an invalid state.

**Table 3–83: TSQL Error Codes - 17000 to 17099**

Error Code	Description
17000	Usage: sp_autostats <table_name> [, {ON OFF} [, <index_name>] ]
17050	The '%ls' option is ignored in this edition of SQL Server.
17052	%1
17053	%1: Operating system error %2 encountered.
17054	LogEvent: Failed to report the current event. Operating system error = %1.
17055	%1 :%n%2
17059	Operating system error %1!d!: %2!hs!.
17065	SQL Server Assertion: File: <%1>, line = %2!d! %nFailed Assertion = '%3' %4.
17066	SQL Server Assertion: File: <%1>, line=%2!d! %nFailed Assertion = '%3'.
17067	SQL Server Assertion: File: <%1>, line = %2!d! %n%3.
17068	PrintStack Request

**Table 3–84: TSQL Error Codes - 17100 to 17199**

Error Code	Description
17104	Server Process ID is %1!d!.
17112	Invalid command option %1!c!.
17113	initconfig: Error %2 opening '%1' for configuration information.
17114	initconfig: Error %2 reading configuration information from '%1'.
17117	initconfig: Number of user connections reduced to %1!d!.
17118	upinit: Warning: Could not raise priority of %1 thread.
17119	initconfig: Number of server processes reduced to %1!d!.
17120	SQL Server could not spawn %1 thread.
17122	initdata: Warning: Could not set working set size to %1!d! KB.
17124	SQL Server configured for %1 mode processing.
17125	Using %1 lock allocation. [%2!d!] Lock Blocks, [%3!d!] Lock Owner Blocks.
17126	SQL Server is ready for client connections
17127	initdata: No memory for kernel buffer hash table.
17128	initdata: No memory for kernel buffers.
17130	initdata: No memory for kernel locks.
17131	initdata: Not enough memory for descriptor hash tables.
17132	initdata: Not enough memory for descriptors.
17134	initmaster: Could not allocate process status structure (PSS).
17138	Could not allocate enough memory to initialize '%1'.



Error Code	Description
17140	Could not dispatch SQL Server by Service Control Manager. Operating system error = %1.
17141	Could not register Service Control Handler. Operating system error = %1.
17142	SQL Server has been paused. No new connections will be allowed.
17143	%1: Could not set Service Control Status. Operating system error = %2.
17144	SQL Server is disallowing new connections due to 'pause' request from Service Control Manager.
17145	Service Control Handler received an invalid control code = %1!d!.
17146	SQL Server is allowing new connections due to 'continue' request from Service Control Manager.
17147	SQL Server terminating because of system shutdown.
17148	SQL Server is terminating due to 'stop' request from Service Control Manager.
17151	Maximum number of pages in batch I/O is limited to %1!d!.
17154	initdata: Not enough memory for procedure cache/hash table.
17156	initedeventlog: Could not initiate the EventLog Service for the key '%1'.
17157	%1: Could not initialize Communication Layer.
17160	Could not use SQLEVN70.DLL version '%1'. SQLEVN70.DLL version '%2' was expected.
17161	Master device sector size is %1!d!. SQL Server cannot use the NO_BUFFERING option during I/O.
17162	SQL Server is starting at priority class '%1'(%2!d! %3 detected).
17168	SQL Server shut down because configured codepage %1!d! is not supported by the

**Table 3–85: TSQL Error Codes - 17200 to 17299**

Error Code	Description
17204	%1: Could not open device %2 for virtual device number (VDN) %3!d!.
17207	%1: Operating system error %3 during the creation/opening of physical device %2.
17208	%1: File '%2' has an incorrect size (%3!d! MB, should be %4!d! MB).
17218	%1: Operating system error %2 on device '%3' (virtual page %4).
17249	%1: Negative outstanding I/O count in process ID = %2!d!.
17252	%1: Actual bytes transferred (%2!d!) does not match requested amount (%3!d!) on device '%4' (virtual page %5).
17253	The sector size for device %1 is %2!d!. SQL Server cannot use the NO_BUFFERING option during I/O on this device.
17254	Warning: Cannot use NO_BUFFERING option on '%1'. Operating system error %2.

**Table 3–86: TSQL Error Codes - 17300 to 17399**

Error Code	Description
17300	Not enough memory for process status structure (PSS) allocation.
17302	The maximum limit for connections has been reached.
17303	freepss: Bad process status structure (PSS) value.
17304	Warning: Clean_process system function called from another thread. Outstanding I/O may not complete.
17308	%1: Process %2!d! generated an access violation. SQL Server is terminating this process.
17309	The current contents of process' input buffer are '%1'.
17310	%1: Process %2!d! generated fatal exception %3!lx! %4. SQL Server is terminating this process.
17311	SQL Server is aborting. Fatal exception %1!lx! caught.

**Table 3–87: TSQL Error Codes - 17400 to 17499**

Error Code	Description
17402	Database '%1' set to single user mode.
17422	closetable: Called with null session descriptor (SDES), server process ID (SPID) %1!d!.
17423	closetable: Table already closed for session descriptor (SDES) %1!08lx!.
17424	Warning: OPEN OBJECTS parameter may be too low.
17426	Run sp_configure to increase the parameter value.
17429	The srchindex system function failed for index ID = %1!d!, sridoff = %2!d!.
17430	Database '%1' set to read only mode.

**Table 3–88: TSQL Error Codes - 17500 to 17599**

Error Code	Description
17550	DBCC TRACEON %d, server process ID (SPID) %d.
17551	DBCC TRACEOFF %d, server process ID (SPID) %d.
17557	DBCC DBRECOVER failed for database ID %d.
17558	*** Bypassing recovery for database ID %d.
17560	DBCC DBREPAIR: '%ls' index restored for '%ls.%ls'.
17561	%ls index restored for %ls.%ls.
17569	DBCC cannot find the library initialization function %ls.
17570	DBCC cannot find the function %ls in the library %ls.
17571	DBCC function %ls in the library %ls generated an access violation. SQL Server is terminating process %d.
17572	DBCC cannot free DLL %ls. SQL Server depends on this DLL to function properly.

**Table 3–89: TSQL Error Codes - 17600 to 17699**

Error Code	Description
17654	Warning: Process status structure (PSS) found with open session descriptor (SDES). PSPID %1!d!, PSUID %2!d!, PCURDB %3!d!, range entry %4!d!, SDESP 0x%5!x!, object ID %6!d!.
17657	Attempting to change default collation to %1.
17658	SQL Server started in single user mode. Updates allowed to system catalogs.
17660	Starting without recovery.
17661	Recovering all databases but not clearing tempdb.
17669	Table still open. Database ID %1!d!, table ID %2!d!.
17674	Login: %1 %2, server process ID (SPID): %3!d!, kernel process ID (KPID): %4!d!.
17676	SQL Server shutdown due to Ctrl-C or Ctrl-Break signal.

**Table 3–90: TSQL Error Codes - 17700 to 17799**

Error Code	Description
17750	Cannot load the DLL %ls, or one of the DLLs it references. Reason: %ls.
17751	Cannot find the function %ls in the library %ls. Reason: %ls.
17752	Extended procedure memory allocation failed for '%ls'.
17753	%.*ls can only be executed in the master database.

**Table 3–91: TSQL Error Codes - 17800 to 17899**

Error Code	Description
17801	Unknown internal error value.
17803	Insufficient memory available.
17804	Invalid 'nbytes' value.
17805	Invalid buffer received from client.
17807	Invalid event '%1!ld!'.
17808	Invalid starting position specified.
17809	Could not connect. The maximum number of '%1!ld!' configured user connections are already connected. The system administrator can change the maximum to a higher value using sp_configure.
17814	Invalid function parameter.
17815	No longer waiting for client connections using Net-Library'%1!hs!'.
17820	Invalid data type parameter.
17822	Could not load Net-Library '%1!hs!'.
17824	Could not write to Net-Library '%1!hs!', loginname '%2!ls!', hostname '%3!ls!'. Connection closed.
17825	Could not close Net-Library '%1!hs!'.
17826	Could not set up Net-Library '%1!hs!'.
17831	Could not load Net-Library '%1!hs!' version '%2!hs!'. Need Net-Library version '%3!hs!' or greater.
17832	Connection opened but invalid login packet(s) sent. Connection closed.
17833	Net-Library '%1!hs!' is already in use.
17834	Using '%1!hs!' version '%2!hs!'.
17837	char data type%0
17838	variable-length char data type%0
17839	binary data type%0
17840	variable-length binary data type%0
17841	1-byte integer data type%0
17842	2-byte integer data type%0
17843	4-byte integer data type%0
17844	bit data type%0
17845	datetime data type%0
17846	datetime data type, nulls allowed%0
17847	money data type%0
17848	money data type, nulls allowed%0

Error Code	Description
17849	4-byte float data type, nulls allowed%0
17850	8-byte float data type%0
17851	8-byte float data type, nulls allowed%0
17852	4-byte datetime data type, nulls allowed%0
17853	4-byte money data type%0
17854	event type%0
17855	done packet status field%0
17856	error severity type%0
17857	4-byte integer data type, nulls allowed%0
17858	image data type%0
17859	text data type%0
17868	numeric data type%0
17869	numeric data type, nulls allowed%0
17870	decimal data type%0
17871	decimal data type, nulls allowed%0
17872	bit data type, nulls allowed%0
17873	8000-byte variable-length binary data type%0
17874	8000-byte variable-length character data type%0
17875	8000-byte binary data type%0
17876	8000-byte character data type%0
17877	8000-byte Unicode character data type%0
17878	8000-byte Unicode variable-length character data type%0
17879	Unicode text data type%0
17880	uniqueidentifier data type%0
17881	'%1!ls!' is an unsupported Open Data Services API.
17882	Error accepting connection request via Net-Library '%1!hs!'. Execution continuing.

**Table 3–92: TSQL Error Codes - 18000 to 18099**

Error Code	Description
18002	Stored function '%.*ls' in the library '%.*ls' generated an access violation. SQL Server is terminating process %d.
18052	Error: %1!d!, Severity: %2!d!, State: %3!d!.
18053	Error: %1!d!, Severity: %2!d!, State: %3!d!%n%4%5.

**Table 3–93: TSQL Error Codes - 18100 to 18199**

Error Code	Description
18100	Process ID %d killed by hostname %.*ls, host process ID %d.
18113	SQL Server shutdown after verifying system indexes.
18124	Default collation successfully changed.

**Table 3–94: TSQL Error Codes - 18200 to 18299**

Error Code	Description
18200	%1: Backup device ID %2!d! out of range.
18201	ksconsole: Cannot create ConsBufMutex: %1.
18203	ksconsole: Cannot create %1 : %2.
18204	%1: Backup device '%2' failed to %3. Operating system error = %4.
18205	%1: Could not initialize console operation.
18207	%1: Null request packet.
18208	%1: Backup device ID %2!d! is not active.
18209	ksconsole: Could not send request to console client.
18210	%1: %2 failure on backup device '%3'. Operating system error %4.
18211	ksconsole: Could not receive request from console client.
18213	ksconsole: Console input request for type 0x%1!x!, ID 0x%2!x! failed.
18214	%1: Server console thread not running.
18215	%1: Response type 0x%2!x!, ID 0x%3!x! not found in request.
18216	%1: Could not access console mutex. Operating system error %2.
18217	%1: Type 0x%2!x! not implemented.
18218	%1: Incorrect number of parameters: %2!d!.
18219	ksconsole: Could not close console connection.
18221	ksconsole: Reinitializing the console.
18223	%1: No console client connected. Start CONSOLE.EXE.
18225	Tape '%1' (Family ID: %2, sequence %3) mounted on tape drive '%4'.
18227	Unnamed tape (Family ID: %1, sequence %2) mounted on tape drive '%3'.
18257	%1: Device or media does not support %2.
18264	Database backed up: Database: %1, creation date(time): %2(%3), pages dumped: %4!d!, first LSN: %5, last LSN: %6, number of dump devices: %9!d!, device information: (%10).
18265	Log backed up: Database: %1, creation date(time): %2(%3), first LSN: %4, last LSN: %5, number of dump devices: %7!d!, device information: (%8).

Error Code	Description
18266	Database file backed up: Database: %1, creation date(time): %2(%3), file list: (%4), pages dumped: %5!d!, number of dump devices: %8!d!, device information: (%9).
18267	Database restored: Database: %1, creation date(time): %2(%3), first LSN: %4, last LSN: %5, number of dump devices: %7!d!, device information: (%8).
18268	Log restored: Database: %1, creation date(time): %2(%3), first LSN: %4, last LSN: %5, number of dump devices: %7!d!, device information: (%8).
18269	Database file restored: Database: %1, creation date(time): %2(%3), file list: (%4), number of dump devices: %6!d!, device information: (%7).
18270	Database differential changes backed up: Database: %1, creation date(time): %2(%3), pages dumped: %4!d!, first LSN: %5, last LSN: %6, full backup LSN: %7, number of dump devices: %10!d!, device information: (%11).
18271	Database changes restored: Database: %1, creation date(time): %2(%3), first LSN: %4, last LSN: %5, number of dump devices: %7!d!, device information: (%8).
18272	I/O error on backup or restore restart-checkpoint file '%1'. Operating system error %2. The statement is proceeding but is non-restartable.
18273	Could not clear '%1' bitmap in database '%2' due to error %3!d!. A subsequent backup operation may be slower/larger than normal.
18274	Tape '%1' (Family ID: %2, sequence %3) dismounted from tape drive '%4'.
18275	Unnamed tape (Family ID: %1, sequence %2) dismounted from tape drive '%3'.
18276	Database file differential changes backed up: Database: %1, creation date(time): %2(%3), file list: (%4), pages dumped: %5!d!, number of dump devices: %8!d!, device information: (%9).
18277	Database file changes restored: Database: %1, creation date(time): %2(%3), file list: (%4), number of dump devices: %6!d!, device information: (%7).
18278	Database log truncated: Database: %1.

**Table 3–95: TSQL Error Codes - 18400 to 18499**

Error Code	Description
18400	Checkpoint process is terminating due to a fatal exception.
18450	Login failed for user '%ls'. Reason: Not defined as a valid user of a trusted SQL Server connection.
18451	Login failed for user '%ls'. Only administrators may connect at this time.
18452	Login failed for user '%ls'. Reason: Not associated with a trusted SQL Server connection.
18453	Login succeeded for user '%ls'. Connection: Trusted.
18454	Login succeeded for user '%ls'. Connection: Non-Trusted.
18455	Login succeeded for user '%ls'.
18456	Login failed for user '%ls'.

Error Code	Description
18457	Login failed for user '%ls'. Reason: User name contains a mapping character or is longer than 30 characters.
18458	Login failed. The maximum simultaneous user count of %d licenses for this server has been exceeded. Additional licenses should be obtained and registered through the Licensing application in the Windows NT Control Panel.
18459	Login failed. The maximum workstation licensing limit for SQL Server access has been exceeded.
18460	Login failed. The maximum simultaneous user count of %d licenses for this '%ls' server has been exceeded. Additional licenses should be obtained and installed or you should upgrade to a full version.
18461	Login failed for user '%ls'. Reason: Server is in single user mode. Only one administrator can connect at this time.
18482	Could not connect to server '%ls' because '%ls' is not defined as a remote server.
18483	Could not connect to server '%ls' because '%ls' is not defined as a remote login at the server.
18485	Could not connect to server '%ls' because it is not configured for remote access.
18490	Maximum number of processors supported is '%1!ld!'.
18491	Could not start due to invalid serial number.
18492	The license agreement has been violated for this '%1' version of SQL Server. Cannot start.

**Table 3–96: TSQL Error Codes - 18500 to 18599**

Error Code	Description
18500	Could not load startup handler DLL '%1'.
18501	Could not load startup handler function '%1'.
18502	Could not add startup handler '%1'.

**Table 3–97: TSQL Error Codes - 18600 to 18699**

Error Code	Description
18666	Could not free up descriptor in rel_desclosed() system function.

**Table 3–98: TSQL Error Codes - 18700 to 18799**

Error Code	Description
18750	%ls: The parameter '%ls' is invalid.
18751	%ls procedure called with incorrect number of parameters.
18752	Another log reader is replicating the database.
18754	Could not open table %d.
18755	Could not allocate memory for replication.



Error Code	Description
18756	Could not get replication information for table %d.
18757	The database is not published.
18759	Replication failure. File '%ls', line %d.
18760	Invalid %ls statement for article %d.
18761	Commit record at (%ls) has already been distributed. Check DBTABLE.
18762	Invalid begin LSN (%ls) for commit record (%ls). Check DBTABLE.
18763	Commit record (%ls) reports oldest active LSN as (0:0:0).
18764	Execution of filter stored procedure %d failed. See the SQL Server errorlog for more information.
18765	Begin LSN specified for replication log scan is invalid.
18766	The replbeginlsn field in the DBTABLE is invalid.
18767	The specified begin LSN (%ls) for replication log scan occurs before replbeginlsn (%ls).
18768	The specified LSN (%ls) for repldone log scan occurs before the current start of replication in the log (%ls).
18769	The specified LSN (%ls) for repldone log scan is not a replicated commit record.
18770	The specified LSN (%ls) for repldone log scan is not present in the transaction log.
18771	Invalid storage type %d specified writing variant of type %d.
18772	Invalid server data type (%d) specified in repl type lookup.
18773	Could not locate text information records for column %d during command construction.
18774	The stored procedure sp_replsetoriginator must be executed within a transaction.
18775	The Log Reader Agent encountered an unexpected log record of type %u encountered while processing DML operation.
18776	An error occurred while waiting on the article cache access event.
18777	%s: Error initializing MSMQ components
18778	%s: Error opening Microsoft Message Queue %s

**Table 3–99: TSQL Error Codes - 18800 to 18899**

Error Code	Description
18800	Warning: Index '%1' on '%2' in database '%3' may be corrupt because of expression evaluation changes in this release. Drop and re-create the index.
18831	;// Database ID %d. Could not find object descriptor for object ID %ld.
18833	Database ID %d. Could not find clustered index on system table ID %ld. This index should exist in all databases. Run DBCC CHECKTABLE on sysindexes in the database.

Error Code	Description
18836	Database ID %d. Could not find object ID %ld in sysobjects. This system catalog should exist in all databases. Run DBCC CHECKTABLE on sysobjects in this database.
18841	Could not locate entry in sysdatabases for database '%.*s'. No entry found with that name.
18843	Could not find database ID %d in sysdatabases.
18872	Rec_finish: getnext SCAN_NOINDEX on sysdatabases.dbid=%d failed.
18874	Rec_complete: Could not open controlling database (ID %d) of controlling database in multi-database transaction
18875	Recovering database '%.*s'.
18876	%d transactions rolled forward in database '%.*s' (%d).
18877	%d transactions rolled back in database '%.*s' (%d).
18883	;//Database ID %d: Attempt to mark database SUSPECT. Getnext NC scan on sysobjects.dbid failed.
18884	;//Database '%.*s' (ID %d). Recovery failed. Run DBCC.
18885	Page #%%lx from table ID #%%ld, database ID #%%d, not found in cache.
18886	Page #%%lx from sysindexes in database ID #%%X not in cache after reading it into cache.
18887	Cannot recover the master database. Exiting.
18892	Extent ID %ld which should belong to syslogs belongs to object ID %ld.
18894	No more room in the transaction table.
18895	Transaction (%d, %d) not found in the transaction table.
18901	Could not build an allocation map for the database '%.*s'. Database does not have a DBINFO structure.

**Table 3–100: TSQL Error Codes - 19000 to 19099**

Error Code	Description
19000	ODBC error encountered, State = %1, native error = %2, error message = %3.
19001	Windows NT Error encountered, %1.
19002	MS SQL SNMP Extension Agent starting, %1, version %2.
19003	MS SQL SNMP Extension Agent reconnecting.
19004	MS SQL SNMP Extension Agent stopping.
19010	RPC Net-Library listening on: %1.
19011	SuperSocket info: %1.
19012	SuperSocket Info: Bind failed on TCP port %1.
19013	SQL server listening on %1.
19014	Invalid Protocol specified for a %1 instance: %2.
19015	Encryption requested but no valid certificate was found. SQL Server terminating.

**Table 3–101: TSQL Error Codes - 20000 to 20099**

Error Code	Description
20001	There is no nickname for article '%s' in publication '%s'.
20002	The filter '%s' already exists for article '%s' in publication '%s'.
20003	Could not generate nickname for '%s'.
20007	The system tables for merge replication could not be dropped successfully.
20008	The system tables for merge replication could not be created successfully.
20009	The article '%s' could not be added to the publication '%s'.
20010	The Snapshot Agent corresponding to the publication '%s' could not be dropped.
20011	Cannot set incompatible publication properties. The 'allow_anonymous' property of a publication depends on the 'immediate_sync' property.
20012	The subscription type '%s' is not allowed on publication '%s'.
20013	The publication property '%s' cannot be changed when there are subscriptions on it.
20014	Invalid @schema_option value.
20015	Could not remove directory '%ls'. Check the security context of xp_cmdshell and close other processes that may be accessing the directory.
20016	Invalid @subscription_type value. Valid values are 'pull' or 'anonymous'.
20017	The subscription on the Subscriber does not exist.
20018	The @optional_command_line is too long. Use an agent definition file.
20019	Replication database option '%s' cannot be set unless the database is a publishing database or a distribution database.

Error Code	Description
20020	The article resolver supplied is either invalid or nonexistent.
20021	The subscription could not be found.
20023	Invalid @subscriber_type value. Valid options are 'local', 'global', 'anonymous', or 'repub'.
20025	The publication name must be unique. The specified publication name '%s' has already been used.
20026	The publication '%s' does not exist.
20027	The article '%s' does not exist.
20028	The Distributor has not been installed correctly. Could not enable database for publishing.
20029	The Distributor has not been installed correctly. Could not disable database for publishing.
20030	The article '%s' already exists on another publication with a different column tracking option.
20031	Could not delete the row because it does not exist.
20032	'%s' is not defined as a Subscriber for '%s'.
20033	Invalid publication type.
20034	Publication '%s' does not support '%s' subscriptions.
20036	The Distributor has not been installed correctly.
20037	The article '%s' already exists in another publication with a different article resolver.
20038	The article filter could not be added to the article '%s' in the publication '%s'.
20039	The article filter could not be dropped from the article '%s' in the publication '%s'.
20040	Could not drop the article(s) from the publication '%s'.
20041	Transaction rolled back. Could not execute trigger. Retry your transaction.
20043	Could not change the article '%s' because the publication has already been activated.
20044	The priority property is invalid for local subscribers.
20045	You must supply an article name.
20046	The article does not exist.
20047	You are not authorized to perform this operation.
20049	The priority value should not be larger than 100.0.
20050	The retention period must be greater than or equal to %d.
20051	The Subscriber is not registered.
20054	Current database is not enabled for publishing.
20055	Table '%s' cannot be published for merge replication because it has a timestamp column.

Error Code	Description
20056	Table '%s' cannot be republished.
20057	The profile name '%s' already exists for the specified agent type.
20058	The @agent_type must be 1 (Snapshot), 2 (Logreader), 3 (Distribution), or 4 (Merge)
20059	The @profile_type must be 0 (System) or 1 (Custom)
20060	Compatibility level cannot be smaller than 60.
20061	The compatibility level of this database must be set to 70 or higher to be enabled for merge publishing.
20062	Updating columns with the rowguidcol property is not allowed.
20064	Cannot drop profile. Either it is not defined or it is defined as the default profile.
20065	Cannot drop profile because it is in use.
20066	Profile not defined.
20067	The parameter name '%s' already exists for the specified profile.
20068	The article cannot be created on table '%s' because it has more than %d columns.
20069	Cannot validate a merge article that uses looping join filters.
20070	Cannot update subscription row.
20072	Cannot update Subscriber information row.
20073	Articles can be added or changed only at the Publisher.
20074	Only a table object can be published as a "table" article for merge replication.
20075	The 'status' parameter value must be either 'active' or 'unsynced'.
20076	The @sync_mode parameter value must be 'native' or 'character'.
20077	Problem encountered generating replica nickname.
20078	The @property parameter value must be 'sync_type', 'priority', or 'description'.
20079	Invalid @subscription_type parameter value. Valid options are 'push', 'pull', or 'both'.
20081	Publication property '%s' cannot be NULL.
20084	Publication '%s' cannot be subscribed to by Subscriber database '%s'.
20086	Publication '%s' does not support the nosync type because it contains a table that does not have a rowguidcol column.
20087	You cannot push an anonymous subscription.
20088	Only assign priorities that are greater than or equal to 0 and less than 100.
20089	Could not get license information correctly.
20090	Could not get version information correctly.
20091	sp_mergesubscription_cleanup is used to clean up push subscriptions. Use sp_dropmergepullsubscription to clean up pull or anonymous subscriptions.

Error Code	Description
20100	Cannot drop Subscriber '%s'. There are existing subscriptions.

**Table 3–102: TSQL Error Codes - 20500 to 20599**

Error Code	Description
20500	The updatable Subscriber stored procedure '%s' does not exist in sysobjects.
20501	Could not insert into sysarticleupdates using sp_articlecolumn.
20502	Invalid '%s' value. Valid values are 'read only', 'sync tran', 'queued tran', or 'failover'.
20503	Invalid '%s' value in '%s'. The publication is not enabled for '%s' updatable subscriptions.
20505	Could not drop synchronous update stored procedure '%s' in '%s'.
20506	Source table '%s' not found in '%s'.
20507	Table '%s' not found in '%s'.
20508	Updatable Subscriptions: The text/ntext/image values inserted at Subscriber will be NULL.
20509	Updatable Subscriptions: The text/ntext/image values cannot be updated at Subscriber.
20510	Updatable Subscriptions: Cannot update identity columns.
20511	Updatable Subscriptions: Cannot update timestamp columns.
20512	Updatable Subscriptions: Rolling back transaction.
20515	Updatable Subscriptions: Rows do not match between Publisher and Subscriber. Run the Distribution Agent to refresh rows at the Subscriber.
20516	Updatable Subscriptions: Replicated data is not updatable.
20517	Updatable Subscriptions: Update of replica's primary key is not allowed unless published table has a timestamp column.
20518	Updatable Subscriptions: INSERT and DELETE operations are not supported unless published table has a timestamp column.
20519	Updatable Subscriptions: INSERT operations on tables with identity or timestamp columns are not allowed unless a primary key is defined at the Subscriber.
20520	Updatable Subscriptions: UPDATE operations on tables with identity or timestamp columns are not allowed unless a primary key is defined at the Subscriber.
20521	sp_MSmark_proc_norepl: must be a member of the db_owner or sysadmin roles.
20522	sp_MSmark_proc_norepl: invalid object name '%s'.
20523	Could not validate the article '%s'. It is not activated.
20524	Table '%s' may be out of synchronization. Rowcounts (actual: %s, expected: %s). Rowcount method %d used (0 = Full, 1 = Fast).
20525	Table '%s' might be out of synchronization. Rowcounts (actual: %s, expected %s). Checksum values (actual: %s, expected: %s).

Error Code	Description
20526	Table '%s' passed rowcount (%s) validation. Rowcount method %d used (0 = Full, 1 = Fast).
20527	Table '%s' passed rowcount (%s) and checksum validation. Checksum is not compared for any text or image columns.
20528	Log Reader Agent startup message.
20529	Starting agent.
20530	Run agent.
20531	Detect nonlogged agent shutdown.
20532	Replication agent schedule.
20533	Replication agents checkup
20534	Detects replication agents that are not logging history actively.
20535	Removes replication agent history from the distribution database.
20536	Replication: agent failure
20537	Replication: agent retry
20538	Replication: expired subscription dropped
20540	Replication: agent success
20541	Removes replicated transactions from the distribution database.
20542	Detects and removes expired subscriptions from published databases.
20543	@rowcount_only parameter must be the value 0,1, or 2. 0=7.0 compatible checksum. 1=only check rowcounts. 2=new checksum functionality introduced in version 8.0.
20545	Default agent profile
20546	Verbose history agent profile.
20547	Agent profile for detailed history logging.
20548	Slow link agent profile.
20549	Agent profile for low bandwidth connections.
20550	Windows Synchronization Manager profile
20551	Profile used by the Windows Synchronization Manager.
20552	Could not clean up the distribution transaction tables.
20553	Could not clean up the distribution history tables.
20554	The agent is suspect. No response within last %ld minutes.
20555	6.x publication.
20556	Heartbeats detected for all running replication agents.
20557	Agent shutdown. For more information, see the SQL Server Agent job history for job '%s'.

Error Code	Description
20558	Table '%s' passed full rowcount validation after failing the fast check. DBCC UPDATEUSAGE will be initiated automatically.
20559	Conditional Fast Rowcount method requested without specifying an expected count. Fast method will be used.
20560	An expected checksum value was passed, but checksums will not be compared because rowcount-only checking was requested.
20561	Generated expected rowcount value of %s for %s.
20562	User delete.
20563	No longer belongs in this partial.
20564	System delete.
20565	Replication: Subscriber has failed data validation
20566	Replication: Subscriber has passed data validation
20567	Agent history clean up: %s
20568	Distribution clean up: %s
20569	Expired subscription clean up
20570	Reinitialize subscriptions having data validation failures
20571	Reinitializes all subscriptions that have data validation failures.
20572	Subscriber '%s' subscription to article '%s' in publication '%s' has been reinitialized after a validation failure.
20573	Replication: Subscription reinitialized after validation failure
20574	Subscriber '%s' subscription to article '%s' in publication '%s' failed data validation.
20575	Subscriber '%s' subscription to article '%s' in publication '%s' passed data validation.
20576	Subscriber '%s' subscription to article '%s' in publication '%s' has been reinitialized after a synchronization failure.
20577	No entries were found in msdb..sysreplalerts.
20578	Replication: agent custom shutdown
20579	Generated expected rowcount value of %s and expected checksum value of %s for %s.
20580	Heartbeats not detected for some replication agents. The status of these agents have been changed to 'Failed'.
20581	Cannot drop server '%s' because it is used as a Distributor in replication.
20582	Cannot drop server '%s' because it is used as a Publisher in replication.
20583	Cannot drop server '%s' because it is used as a Subscriber in replication.
20584	Cannot drop server '%s' because it is used as a Subscriber to remote Publisher '%s' in replication.
20585	Validation Failure. Object '%s' does not exist.



Error Code	Description
20586	(default destination)
20587	Invalid '%s' value for stored procedure '%s'.
20588	The subscription is not initialized. Run the Distribution Agent first.
20589	Agent profile for replicated queued transaction reader.
20590	The article property 'status' cannot include bit 64, 'DTS horizontal partitions' because the publication does not allow data transformations.
20591	Only 'DTS horizontal partitions' and 'no DTS horizontal partitions' are valid 'status' values because the publication allows data transformations.
20592	'dts horizontal partitions' and 'no dts horizontal partitions' are not valid 'status' values because the publication does not allow data transformations.
20593	Cannot modify publication '%s'. The sync_method cannot be changed to 'native', 'concurrent' or 'concurrent_c' because the publication has subscriptions from ODBC or OLE DB Subscribers.
20594	A push subscription to the publication exists. Use sp_subscription_cleanup to drop defunct push subscriptions.
20595	Skipping error signaled.
20596	Only '%s' or members of db_owner can drop the anonymous agent.
20597	Dropped %d anonymous subscription(s).
20598	The row was not found at the Subscriber when applying the replicated command.
20599	Continue on data consistency errors.

**Table 3–103: TSQL Error Codes - 20600 to 20699**

Error Code	Description
20600	Agent profile for skipping data consistency errors. It can be used only by SQL Server Subscribers.
20601	Invalid value specified for agent parameter 'SkipErrors'.
20602	The value specified for agent parameter 'SkipErrors' is too long.
20603	The agent profile cannot be used by heterogeneous Subscribers.
20604	You do not have permissions to run agents for push subscriptions. Make sure that you specify the agent parameter 'SubscriptionType'.
20605	Invalidated the existing snapshot of the publication. Run the Snapshot Agent again to generate a new snapshot.
20606	Reinitialized subscription(s).
20607	Cannot make the change because a snapshot is already generated. Set @force_invalidate_snapshot to 1 to force the change and invalidate the existing snapshot.
20608	Cannot make the change because there are active subscriptions. Set @force_reinit_subscription to 1 to force the change and reinitialize the active subscriptions.

Error Code	Description
20609	Cannot attach subscription file '%s'. Make sure that it is a valid subscription copy file.
20610	Cannot run '%s' when the Log Reader Agent is replicating the database.
20611	Only table or indexed view to table articles are allowed in publications that allow DTS.
20612	Checksum validation is not supported because the publication allows DTS. Use row count only validation.
20613	Validation is not supported for articles that are set up for DTS horizontal partitions.
20614	Validation is not supported for heterogeneous Subscribers.
20616	High Volume Server-to-Server Profile
20617	Merge agent profile optimized for the high volume server-to-server synchronization scenario.
20618	You must have CREATE DATABASE permission to attach a subscription database.
20619	Server user '%s' is not a valid user in database '%s'. Add the user account or 'guest' user account into the database first.
20620	The security mode specified requires the server '%s' in sys.servers. Use sp_addlinkedserver to add the server.
20621	Cannot copy a subscription database to an existing database.
20622	Replication database option 'sync with backup' cannot be set on the publishing database because the database is in Simple Recovery mode.
20623	You cannot validate article '%s' unless you have 'SELECT ALL' permission on table '%s'.

**Table 3–104: TSQL Error Codes - 21000 to 21099**

Error Code	Description
21000	Cannot subscribe to an inactive publication.
21001	Cannot add a Distribution Agent at the Subscriber for a push subscription.
21002	The Distribution Agent for this subscription already exists (%s).
21003	Changing publication names is no longer supported.
21004	Cannot publish the database object '%s' because it is encrypted.
21005	For backward compatibility, sp_addpublisher can be used to add a Publisher for this Distributor. However, sp_adddistpublisher is more flexible.
21006	Cannot use sp_addpublisher to add a Publisher. Use sp_adddistpublisher.
21007	Cannot add the remote Distributor. Make sure that the local server is configured as a Publisher at the Distributor.
21008	Cannot uninstall the Distributor because there are Subscribers defined.
21009	The specified filter procedure is already associated with a table.

Error Code	Description
21010	Removed %ld replicated transactions consisting of %ld statements in %ld seconds (%ld rows/sec).
21011	Deactivated subscriptions.
21012	Cannot change the 'allow_push' property of the publication to "false". There are push subscriptions on the publication.
21013	Cannot change the 'allow_pull' property of the publication to "false". There are pull subscriptions on the publication.
21014	The @optname parameter value must be 'transactional' or 'merge'.
21015	The replication option '%s' has been set to TRUE already.
21016	The replication option '%s' has been set to FALSE already.
21017	Cannot perform SQL Server 7.0 compatible checksum operation on a merge article that has a vertical or horizontal partition. Rowcount validation and SQL Server 2000 compatible binary checksum operation can be performed on this article.
21018	There are too many consecutive snapshot transactions in the distribution database. Run the Log Reader Agent again or clean up the distribution database.
21021	Drop the Distributor before you uninstall replication.
21022	Cannot set incompatible publication properties. The 'immediate_sync' property of a publication is dependent on the 'independent agent' property of a publication.
21023	'%s' is no longer supported.
21024	The stored procedure '%s' is already published as an incompatible type.
21025	The string being encrypted cannot have null characters.
21026	Cannot have an anonymous subscription on a publication that does not have an independent agent.
21027	'%s' replication stored procedures are not installed. Use sp_replicationoption to install them.
21028	Replication components are not installed on this server. Run SQL Server Setup again and select the option to install replication.
21029	Cannot drop a push subscription entry at the Subscriber unless @drop_push is 'true'.
21030	Names of SQL Server replication agents cannot be changed.
21031	'post_script' is not supported for stored procedure articles.
21032	Could not subscribe because non-SQL Server Subscriber '%s' does not support 'sync tran' update mode.
21033	Cannot drop server '%s' as Distribution Publisher because there are databases enabled for replication on that server.
21034	Rows inserted or updated at the Subscriber cannot be outside the article partition.
21035	You have updated the Publisher property '%s' successfully.

Error Code	Description
21036	Another %s agent for the subscription(s) is running.
21037	Invalid working directory '%s'.
21038	Windows Authentication is not supported by the server.
21039	The destination owner name is not supported for publications that can have heterogeneous Subscribers. Use native mode bcp for this functionality.
21040	Publication '%s' does not exist.
21041	A remote distribution Publisher is not allowed on this server version.
21042	The distribution Publisher property, 'distributor_password', has no usage and is not supported for a Distributor running on Windows NT 4.0.
21043	The Distributor is not installed.
21044	Cannot ignore the remote Distributor (@ignore_remote_distributor cannot be 1) when enabling the database for publishing or merge publishing.
21045	Cannot uninstall the Distributor because there are databases enabled for publishing or merge publishing.
21046	Cannot change distribution Publisher property 'distribution_db' because the remote Publisher is using the current distribution database.
21047	Cannot drop the local distribution Publisher because there are Subscribers defined.
21048	Cannot add login '%s' to the publication access list because it does not have access to the distribution server '%s'.
21049	The login '%s' does not have access permission on publication '%s' because it is not in the publication access list.
21050	Only members of the sysadmin or db_owner roles can perform this operation.
21051	Could not subscribe because non-SQL Server Subscriber '%s' does not support custom stored procedures.
21052	Queued Updating Subscriptions: write to message queue failed.
21053	The parameter must be one of the following: 'description', 'status', 'retention', 'sync_mode', 'allow_push', 'allow_pull', 'allow_anonymous', 'enabled_for_internet', 'centralized_conflicts', 'conflict_retention', or 'snapshot_ready'.
21054	Updatable Subscribers: RPC to Publisher failed.
21055	Invalid parameter %s specified for %s.
21056	The subscription to publication '%s' has expired and does not exist.
21057	Anonymous Subscribers cannot have updatable subscriptions.
21058	An updatable subscription to publication '%s' on Subscriber '%s' already exists.
21059	Cannot reinitialize subscriptions of non-immediate_sync publications.
21060	Could not subscribe because non-SQL Server Subscriber '%s' does not support parameterized statements.
21061	Invalid article status %d specified when adding article '%s'.

Error Code	Description
21062	The row size of table '%s' exceeds the replication limit of 6,000 bytes.
21063	Table '%s' cannot participate in updatable subscriptions because it is published for merge replication.
21064	The subscription is uninitialized or unavailable for immediate updating as it is marked for reinitialization. If using queued failover option, run Queue Reader Agent for subscription initialization. Try again after the (re)initialization completes.
21070	This subscription does not support automatic reinitialization (subscribed with the 'no sync' option). To reinitialize this subscription, you must drop and re-create the subscription.
21071	Cannot reinitialize article '%s' in subscription '%s:%s' to publication '%s' (subscribed with the 'no sync' option).
21072	The subscription has not been synchronized within the maximum retention period or it has been dropped at the Publisher. You must reinitialize the subscription to receive data.
21073	The publication specified does not exist.
21074	The subscription has been marked inactive and must be reinitialized at the Publisher. Contact the database administrator.
21075	The initial snapshot for publication '%s' is not yet available.
21076	The initial snapshot for article '%s' is not yet available.
21077	Deactivated initial snapshot for anonymous publication(s). New subscriptions must wait for the next scheduled snapshot.
21078	Table '%s' does not exist in the Subscriber database.
21079	The RPC security information for the Publisher is missing or invalid. Use sp_link_publication to specify it.
21080	The 'msrepl_tran_version' column must be in the vertical partition of the article that is enabled for updatable subscriptions; it cannot be dropped.
21081	Server setting 'Allow triggers to be fired which fire other triggers (nested triggers)' must exist on updatable Subscribers.
21082	Database property 'IsRecursiveTriggersEnabled' has to be false for subscription databases at Subscribers that allow updatable subscriptions.
21083	Database compatibility level at immediate updating Subscribers cannot be less than 70.
21084	Publication '%s' does not allow anonymous subscriptions.
21085	The retention period must be less than the retention period for the distribution database.
21086	The retention period for the distribution database must be greater than the retention period of any existing non-merge publications.
21087	Anonymous Subscribers or Subscribers at this server are not allowed to create merge publications.
21088	The initial snapshot for the publication is not yet available.

**Table 3–105: TSQL Error Codes - 21100 to 21199**

Error Code	Description
21107	'%ls' is not a table or view.
21108	This edition of SQL Server does not support transactional publications.
21109	The parameters @xact_seqno_start and @xact_seqno_end must be identical if @command_id is specified.
21110	@xact_seqno_start and @publisher_database_id must be specified if @command_id is specified.
21111	'%s' is not a valid parameter for the Snapshot Agent.
21112	'%s' is not a valid parameter for the Log Reader Agent.
21113	'%s' is not a valid parameter for the Distribution Agent.
21114	'%s' is not a valid parameter for the Merge Agent.
21115	'%s' is not a valid value for the '%s' parameter. The value must be a positive integer.
21116	'%s' is not a valid value for the '%s' parameter. The value must be 1, 2, or 3.
21117	'%s' is not a valid value for the '%s' parameter. The value must be 0, 1, or 2.
21118	'%s' is not a valid value for the '%s' parameter. The value must be greater than or equal to 0 and less than or equal to 10,000.
21119	'%s' is not a valid value for the '%s' parameter. The value must be a non-negative integer.
21120	Only members of the sysadmin fixed server role and db_owner fixed database role can drop subscription '%s' to publication '%s'.
21121	Only members of the sysadmin fixed server role and '%s' can drop the pull subscription to the publication '%s'.
21122	Cannot drop the distribution database '%s' because it is currently in use.
21123	The agent profile '%s' could not be found at the Distributor.
21124	Cannot find the table name or the table owner corresponding to the alternative table ID(nickname) '%d' in sysmergearticles.
21125	A table used in merge replication must have at least one non-computed column.
21126	Pull subscriptions cannot be created in the same database as the publication.
21127	Only global merge subscriptions can be added to database '%s'.
21128	Terminating immediate updating or queued updating INSERT trigger because it is not the first trigger to fire. Use sp_settriggerorder procedure to set the firing order for trigger '%s' to first.
21129	Terminating immediate updating or queued updating UPDATE trigger because it is not the first trigger to fire. Use sp_settriggerorder procedure to set the firing order for trigger '%s' to first.

Error Code	Description
21130	Terminating immediate updating or queued updating DELETE trigger because it is not the first trigger to fire. Use sp_settriggerorder procedure to set the firing order for trigger '%s' to first.
21131	There are existing subscriptions to heterogeneous publication '%s'. To add new articles, first drop the existing subscriptions to the publication.
21132	Cannot create transactional subscription to merge publication '%s'. The publication type should be either transactional(0) or snapshot(1) for this operation.
21133	Publication '%s' is not enabled to use an independent agent.
21134	The specified job ID must identify a Distribution Agent or a Merge Agent job.
21135	Detected inconsistencies in the replication agent table. The specified job ID does not correspond to an entry in '%ls'.
21136	Detected inconsistencies in the replication agent table. The specified job ID corresponds to multiple entries in '%ls'.
21137	This procedure supports only remote execution of push subscription agents.
21138	The 'offload_server' property cannot be the same as the Distributor name.
21139	Could not determine the Subscriber name for distributed agent execution.
21140	Agent execution cannot be distributed to a Subscriber that resides on the same server as the Distributor.
21141	The @change_active flag may not be specified for articles with manual filters or views.
21142	The SQL Server '%s' could not obtain Windows group membership information for login '%s'. Verify that the Windows account has access to the domain of the login.
21143	The custom stored procedure schema option is invalid for a snapshot publication article.
21144	Cannot subscribe to publication of sync_type 'dump database' because the Subscriber has subscriptions to other publications.
21145	Cannot subscribe to publication %s because the Subscriber has a subscription to a publication of sync_type 'dump database'.
21146	@use_ftp cannot be 'true' while @alt_snapshot_folder is neither NULL nor empty.
21147	The '%s' database is not published for merge replication.
21148	Both @subscriber and @subscriberdb must be specified with non-null values simultaneously, or both must be left unspecified.
21149	The '%s' database is not published for transactional or snapshot replication.
21150	Unable to determine the snapshot folder for the specified subscription because the specified Subscriber is not known to the Distributor.
21151	Pre- and post-snapshot commands are not supported for a publication that may support non-SQL Server Subscribers by using the character-mode bcp as the synchronization method.

Error Code	Description
21152	Cannot create a subscription of sync_type 'none' to a publication using the 'concurrent' or 'concurrent_c' synchronization method.
21153	Cannot create article '%s'. All articles that are part of a concurrent synchronization publication must use stored procedures to apply changes to the Subscriber.
21154	Cannot change article '%s'. All articles that are part of a concurrent synchronization publication must use stored procedures to apply changes to the Subscriber.
21156	The @status parameter value must be 'initiated' or 'active'.
21157	The snapshot compression option can be enabled only for a publication having an alternate snapshot generation folder defined.
21158	For a publication to be enabled for the Internet, the 'ftp_address' property must not be null.
21159	If a publication is enabled for the Internet, the 'alt_snapshot_folder' property must be non-empty.
21160	The @ftp_port parameter cannot be NULL.
21161	Could not change the Publisher because the subscription has been dropped. Use sp_subscription_cleanup to clean up the triggers.
21162	It is invalid to exclude the rowguid column for the table from the partition.
21163	It is not possible to add column '%s' to article '%s' because the snapshot for publication '%s' has been run.
21164	Column '%s' cannot be included in a vertical partition because it is neither nullable nor defined with a default value.
21165	Column '%s' cannot be excluded from a vertical partition because it is neither nullable nor defined with a default value.
21166	Column '%s' does not exist.
21167	The specified job ID does not represent a %s agent job for any push subscription in this database.
21168	Only members of the sysadmin fixed server role, members of the db_owner fixed database role, and owners of subscriptions served by the specified replication agent job can modify the agent offload settings.
21169	Could not identify the Publisher '%s' at the Distributor '%s'. Make sure that '%s' is registered in the sys.servers table at the Distributor.
21170	Only a SQL Server 2000 or OLE DB Subscriber can use DTS.
21171	Could not find package '%s' in msdb at server '%s'.
21172	The publication has to be in 'character' or 'concurrent_c' bcp mode to allow DTS.
21173	The publication has to be 'independent_agent type' to allow DTS.
21174	You must use default values for @ins_cmd, @upd_cmd, and @del_cmd, and @status can be only 16 or 80 because the publication allows DTS.
21175	You cannot change 'ins_cmd', 'upd_cmd', or 'del_cmd' article properties because the publication allows DTS or queued updating option.



Error Code	Description
21176	Only members of the sysadmin fixed server role, db_owner fixed database role, or the creator of the subscription can change the subscription properties.
21177	Could not create column list because it is too long. Create the list manually.
21178	DTS properties cannot be set because the publication does not allow for data transformation.
21179	Invalid @dts_package_location parameter value. Valid options are 'Distributor' or 'Subscriber'.
21180	A publication that allows DTS cannot be enabled for updatable subscriptions.
21181	@dts_package_name can be set for push subscriptions only.
21182	The @agent_type parameter must be one of 'distribution', 'merge', or NULL.
21183	Invalid property name '%s'.
21184	%s parameter is incorrect: it should be '%s', '%s' or '%s'.
21185	The subscription is not initialized or not created for failover mode operations.
21186	Subscription for Publisher '%s' does not have a valid queue_id.
21187	The current mode is the same as the requested mode.
21188	Changed update mode from [%s] to [%s].
21189	The queue for this subscription with queue_id = '%s' is not empty. Run the Queue Reader Agent to make sure the queue is empty before setting mode from [queued] to [immediate].
21190	Overriding queue check for setting mode from [%s] to [%s].
21191	Values for @ins_cmd, @upd_cmd, and @del_cmd can be only [%s], [%s] and [%s] respectively because the publication allows queued transactions.
21192	MSrepl_tran_version column is a predefined column used for replication and can be only of data type uniqueidentifier
21193	@identity_range, @pub_identity_range, or @threshold cannot be NULL when @auto_identity_support is set to TRUE.
21194	Cannot support identity_range_control because this table does not have an identity column.
21195	A valid identity range is not available. Check the data type of the identity column.
21196	Identity automation failed.
21197	Failed to allocate new identity range.
21198	Schema replication failed.
21199	This change cannot take effect until you run the snapshot again.

**Table 3–106: TSQL Error Codes - 21200 to 21299**

Error Code	Description
21200	Publication '%s' does not exist.

Error Code	Description
21201	Dropping a column that is being used by a merge filter clause is not allowed.
21202	It is not possible to drop column '%s' to article '%s' because the snapshot for publication '%s' has already been run.
21203	Duplicate rows found in %s. Unique index not created.
21204	The publication '%s' does not allow subscription copy or its subscription has not been synchronized.
21205	The subscription cannot be attached because the publication does not allow subscription copies to synchronize changes.
21206	Cannot resolve load hint for object %d because the object is not a user table.
21207	Cannot find source object ID information for article %d.
21208	This step failed because column '%s' exists in the vertical partition.
21209	This step failed because column '%s' does not exist in the vertical partition.
21210	The publication must be immediate_sync type to allow subscription copy.
21211	The database is attached from a subscription copy file without using sp_attach_subscription. Drop the database and reattach it using sp_attach_subscription.
21212	Cannot copy subscription. Only single file subscription databases are supported for this operation.
21213	Non-SQL Server Subscribers cannot subscribe to publications that allow DTS without using a DTS package.
21214	Cannot create file '%s' because it already exists.
21215	An alternate synchronization partner can be configured only at the Publisher.
21216	Publisher '%s', publisher database '%s', and publication '%s' are not valid synchronization partners.
21217	Publication of '%s' data from Publisher '%s'.
21218	The creation_script property cannot be NULL if a schema option of 0x0000000000000000 is specified for the article.
21219	The specified source object must be a stored procedure object if it is published as a 'proc schema only' type article.
21220	Unable to add the article '%s' because a snapshot has been generated for the publication '%s'.
21221	The specified source object must be a view object if it is going to be as a 'view schema only' type article.
21222	The @schema_option parameter for a procedure or function schema article can include only the options 0x0000000000000001 or 0x0000000000002000.
21223	The @pre_creation_command parameter for a schema only article must be either 'none' or 'drop'.
21224	'%s' is not a valid property for a schema only article.

Error Code	Description
21225	The 'offload_server' property cannot be NULL or empty if the pull subscription agent is to be enabled for remote activation.
21226	The database '%s' does not have a pull subscription to the specified publication.
21227	The 'offload_server' property cannot be the same as the Subscriber server name.
21228	The specified source object must be a user-defined function object if it is going to be published as a 'func schema only' type article.
21229	The only schema options available for a view schema article are: 0x0000000000000001, 0x0000000000000010, 0x0000000000000040, 0x0000000000000100, and 0x0000000000000200.
21230	Do not call this stored procedure for schema change because the current database is not enabled for replication.
21231	Automatic identity range support is useful only for publications that allow queued updating.
21232	Identity range values must be positive numbers that are greater than 1.
21233	Threshold value must be from 1 through 100.
21234	Cannot use the INSERT command because the table has an identity column. The insert custom stored procedure must be used to set 'identity_insert' settings at the Subscriber.
21235	Article property '%s' can be set only when the article uses automatic identity range management.
21236	The subscription(s) to Publisher '%s' does not allow subscription copy or it has not been synchronized.
21237	There is a push subscription to Publisher '%s'. Only pull and anonymous subscriptions can be copied.
21238	There is a push subscription to publication '%s'. Only pull and anonymous subscriptions can be copied.
21239	Cannot copy subscriptions because there is no synchronized subscription found in the database.
21240	The table '%s' is already published as another article with a different automatic identity support option.
21241	The threshold value should be from 0 through 99.
21242	Conflict table for article '%s' could not be created successfully.
21243	Publisher '%s', publication database '%s', and publication '%s' could not be added to the list of synchronization partners.
21244	Character mode publication does not support vertical filtering when the base table does not support column-level tracking.
21245	Table '%s' is not part of publication '%s'.
21246	This step failed because table '%s' is not part of any publication.
21247	Cannot create file at '%s'. Ensure the file path is valid.

Error Code	Description
21248	Cannot attach subscription file '%s'. Ensure the file path is valid and the file is updatable.
21249	OLE DB or ODBC Subscribers cannot subscribe to article '%s' in publication '%s' because the article has a timestamp column and the publication is 'allow_queued_tran' (allows queued updating subscriptions).
21250	Primary key column '%s' cannot be excluded from a vertical partition.
21251	Publisher '%s', publisher database '%s', publication '%s' could not be removed from the list of synchronization partners.
21252	It is invalid to remove the default Publisher '%s', publication database '%s', and publication '%s' from the list of synchronization partners
21253	Parameter '@add_to_active_directory' cannot be set to TRUE because Active Directory client package is not installed properly on the machine where SQL Server is running.
21254	The Active Directory operation on publication '%s' could not be completed because Active Directory client package is not installed properly on the machine where SQL Server is running.
21255	Column '%s' already exists in table '%s'.
21256	A column used in filter clause '%s' either does not exist in the table '%s' or cannot be excluded from the current partition.
21257	Invalid property '%s' for article '%s'.
21258	You must first drop all existing merge publications to add an anonymous or local subscription to database '%s'.
21259	Invalid property value '%s'.
21260	Schema replication failed because database '%s' on server '%s' is not the original Publisher of table '%s'.
21261	The offload server must be specified if the agent for this subscription is to be offloaded for remote execution.
21262	Failed to drop column '%s' from the partition because a computed column is accessing it.
21263	Parameter '%s' cannot be NULL or an empty string.
21264	Column '%s' cannot be dropped from table '%s' because it is a primary key column.
21265	Column '%s' cannot be dropped from table '%s' because there is a unique index accessing this column.
21266	Cannot publish table '%s' for both a merge publication and a publication with the queued updating option .
21267	Invalid value for queue type was specified. Valid values = (%s).
21268	Cannot change queue type while there are subscriptions to the publication.
21269	Cannot add a computed column or a timestamp column to a vertical partition for a character mode publication.

Error Code	Description
21270	Queued snapshot publication property '%s' cannot have the value '%s'.
21272	Cannot clean up the meta data for publication '%s' because other publications are using one or more articles in this publication.
21273	You must upgrade the Subscriber to SQL Server 2000 to create updatable subscriptions to SQL Server 2000 Publishers.
21274	Invalid publication name '%s'.
21275	The schema-bound view '%ls' can be published only as 'indexed view schema only' or a log-based indexed view (transactional only) article.
21276	The type must be 'table' or '( view   indexed view   proc   func ) schema only'.
21277	The source object '%ls' must be a schema-bound view to be published as 'indexed view schema only' or a log-based indexed view article.
21278	The source object '%ls' must be a schema-bound view with at least a clustered index to be published as a log-based indexed view article.
21279	The 'schema_option' property for a merge article cannot be changed after a snapshot is generated for the publication. To change the 'schema_option' property of this article the corresponding merge publication must be dropped and re-created.
21280	Publication '%s' cannot be subscribed to by Subscriber database '%s' because it contains one or more articles that have been subscribed to by the same Subscriber database at transaction level.
21281	Publication '%s' cannot be subscribed to by Subscriber database '%s' because it contains one or more articles that have been subscribed to by the same Subscriber database at merge level.
21282	@identity_range, @pub_identity_range, and @threshold must be NULL when @auto_identity_support is set to FALSE.
21283	Column '%s' of table '%s' cannot be excluded from a vertical partition because there is a computed column that depends on it.
21284	Failed to drop column '%s' from table '%s'.
21285	Failed to add column '%s' to table '%s'.
21286	Conflict table '%s' does not exist.
21287	The specified @destination_folder is not a valid path of an existing folder.
21288	Could not create the snapshot directory structure in the specified @destination_folder.
21289	Either the snapshot files have not been generated or they have been cleaned up.
21290	Identity range value is too large for the data type of the identity column.
21291	The specified automatic identity support parameters conflict with the settings in another article.
21292	Object '%s' cannot be published twice in the same publication.
21293	Warning: adding updatable subscription for article '%s' may cause data inconsistency as the source table is already subscribed to '%s'

Error Code	Description
21294	Either @publisher (and @publisher_db) or @subscriber (and @subscriber_db) must be specified, but both cannot be specified.
21295	Publication '%s' does not contain any article that uses automatic identity range management.
21296	Parameter @resync_type must be either 0, 1, 2.
21297	Invalid resync type. No validation has been performed for this subscription.
21298	Failed to resynchronize this subscription.
21299	Invalid Subscriber partition validation expression '%s'.

**Table 3–107: TSQL Error Codes - 21300 to 21399**

Error Code	Description
21300	The resolver information was specified without specifying the resolver to be used for article '%s'. The default resolver will be used.
21301	The resolver information should be specified while using the '%s' resolver.
21302	The resolver information should specify a column with data type, datetime, or smalldatetime while using the '%s' resolver.
21303	The article '%s' should enable column tracking to use the '%s' resolver. The default resolver will be used to resolve conflicts on this article.
21304	The merge triggers could not be created on the table '%s'.
21305	The schema change information could not be updated at the subscription database.
21306	The copy of the subscription could not be made because the subscription to publication '%s' has expired.
21307	The subscription could not be attached because the subscription to publication '%s' has expired.
21308	Rowcount validation profile.
21309	Profile used by the Merge Agent to perform rowcount validation.
21310	Rowcount and checksum validation profile.
21311	Profile used by the Merge Agent to perform rowcount and checksum validation.
21312	Cannot change this publication property because there are active subscriptions to this publication.
21313	Subscriber partition validation expression must be NULL for static publications.
21314	There must be one and only one of '%s' and '%s' that is not NULL.
21315	Failed to adjust Publisher identity range for table '%s'.
21316	Failed to adjust Publisher identity range for publication '%s'.
21317	A push subscription to the publication '%s' already exists. Use sp_mergesubscription_cleanup to drop defunct push subscriptions.
21318	Table '%s' must have at least one column that is included in the vertical partition.

Error Code	Description
21319	Could not find the Snapshot Agent command line for the specified publication.
21320	This version of the Publisher cannot use a SQL Server 7.0 Distributor.
21321	The parameter @dynamic_snapshot_location cannot be an empty string.
21323	A dynamic snapshot job can be scheduled only for a publication with dynamic filtering enabled.
21324	A Snapshot Agent must be added for the specified publication before a dynamic snapshot job can be scheduled.
21325	Could not find the Snapshot Agent ID for the specified publication.
21326	Could not find the dynamic snapshot job with a '%ls' of '%ls' for the specified publication.
21327	'%ls' is not a valid dynamic snapshot job name.
21328	The specified dynamic snapshot job name '%ls' is already in use. Try the operation again with a different job name.
21329	Only one of the parameters, @dynamic_snapshot_jobid or @dynamic_snapshot_jobname, can be specified with a nondefault value.
21330	Failed to create a sub-directory under the replication working directory.(%ls)
21331	Failed to copy user script file to the Distributor.(%ls)
21332	Failed to retrieve information about the publication : %ls. Check the name again.
21333	Protocol error. Message indicates a generation has disappeared.
21334	Cannot initialize Message Queuing-based subscription because the platform is not Message Queuing %s compliant
21335	Warning: column '%s' already exists in the vertical partition already.
21336	Warning: column '%s' does not exist in the vertical partition.
21337	Invalid @subscriber_type value. Valid options are 'local' and 'global'.
21338	Cannot drop article '%s' from publication '%s' because its snapshot has been run and this publication could have active subscriptions.
21339	Warning: the publication uses a feature that is only supported only by Ssubscribers running '%s' or higher.
21340	On Demand user script cannot be applied to the snapshot publication.
21341	@dynamic_snapshot_location cannot be a non-empty string while @alt_snapshot_folder is neither empty nor null.
21342	@dynamic_snapshot_location cannot be a non-empty string while @use_ftp is 'true'.
21343	Could not find stored procedure '%s'.
21344	Invalid value specified for %ls parameter.
21345	Excluding the last column in the partition is not allowed.
21346	Failed to change the owner of '%s' to '%s'.

Error Code	Description
21347	Column '%s' cannot be excluded from the vertical partitioning because there is a unique index accessing this column.
21348	Invalid property name '%s'.
21349	Warning: only Subscribers running SQL Server 7.0 Service Pack 2 or later can synchronize with publication '%s' because decentralized conflict logging is designated.
21350	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because a compressed snapshot is used.
21351	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because vertical filters are being used.
21352	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because schema replication is performed.
21353	Warning: only Subscribers running SQL Server 7.0 Service Pack 2 or later can synchronize with publication '%s' because publication wide reinitialization is performed.
21354	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because publication wide reinitialization is performed.
21355	Warning: only Subscribers running SQL Server 7.0 Service Pack 2 or later can synchronize with publication '%s' because merge metadata cleanup task is performed.
21356	Warning: only Subscribers running SQL Server 7.0 Service Pack 2 or later can synchronize with publication '%s' because publication wide validation task is performed.
21357	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because data types new in SQL Server 2000 exist in one of its articles.
21358	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because at least one timestamp column exists in one of its articles..
21359	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because automatic identity ranges are being used.
21360	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because a new article has been added to the publication after its snapshot has been generated.
21361	The specified @agent_jobid is not a valid job id for a '%s' agent job.
21362	Merge filter '%s' does not exist.
21363	Failed to add publication '%s' to Active Directory. %s
21364	Could not add article '%s' because a snapshot is already generated. Set @force_invalidate_snapshot to 1 to force this and invalidate the existing snapshot.
21365	Could not add article '%s' because there are active subscriptions. Set @force_reinit_subscription to 1 to force this and reinitialize the active subscriptions.



Error Code	Description
21366	Could not add filter '%s' because a snapshot is already generated. Set @force_invalidate_snapshot to 1 to force this and invalidate the existing snapshot.
21367	Could not add filter '%s' because there are active subscriptions. Set @force_reinit_subscription to 1 to force this and reinitialize the active subscriptions.
21368	The specified offload server name contains the invalid character '%s'.
21369	Could not remove publication '%s' from Active Directory.
21370	The resync date specified '%s' is not a valid date.
21371	Could not propagate the change on publication '%s' to Active Directory.
21372	Cannot drop filter '%s' from publication '%s' because its snapshot has been run and this publication could have active subscriptions.
21373	Could not open database %s. Replication settings and system objects could not be upgraded. If the database is used for replication, run sp_vupgrade_replication in the [master] database when the database is available.
21374	Upgrading distribution settings and system objects in database %s.
21375	Upgrading publication settings and system objects in database %s.
21376	Could not open database %s. Replication settings and system objects could not be upgraded. If the database is used for replication, run sp_vupgrade_replication in the [master] database when the database is available.
21377	Upgrading subscription settings and system objects in database %s.
21378	Could not open distribution database %s because it is offline or being recovered. Replication settings and system objects could not be upgraded. Be sure this database is available and run sp_vupgrade_replication again.
21379	Cannot drop article '%s' from publication '%s' because a snapshot is already generated. Set @force_invalidate_snapshot to 1 to force this and invalidate the existing snapshot.
21380	Cannot add identity column without forcing reinitialization. Set @force_reinit_subscription to 1 to force reinitialization.
21381	Cannot add (drop) column to table '%s' because the table belongs to publication(s) with an active updatable subscription. Set @force_reinit_subscription to 1 to force reinitialization.
21382	Cannot drop filter '%s' because a snapshot is already generated. Set @force_invalidate_snapshot to 1 to force this and invalidate the existing snapshot.
21383	Cannot enable a merge publication on this server because the working directory of its Distributors is not using a UNC path.
21384	The specified subscription does not exist or has not been synchronized yet.
21385	Snapshot failed to process publication '%s'. Possibly due to active schema change activity.
21386	Schema change failed on publication '%s'. Possibly due to active snapshot or other schema change activity.

Error Code	Description
21387	The expanded dynamic snapshot view definition of one of the articles exceeds the system limit of 3499 characters. Consider using the default mechanism instead of the dynamic snapshot for initializing the specified subscription.
21388	The concurrent snapshot for publication '%s' has not been activated by the Log Reader Agent.
21389	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because column-level collation is scripted out with the article schema creation script.
21390	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because extended properties are scripted out with the article schema creation script.
21391	Warning: only Subscribers running SQL Server 2000 can synchronize with publication '%s' because it contains schema-only articles.
21392	Row filter(%s) is invalid for column partition(%s) for article '%s' in publication '%s'.
21393	Dropping row filter(%s) for article '%s' in '%s'. Reissue sp_articlefilter and sp_articleview to create a row filter.
21394	Invalid schema option specified for Queued updating publication. Need to set the schema option to include DRI constraints.
21395	This column cannot be included in a transactional publication because the column ID is greater than 255.
21396	The subscription is marked inactive and must be dropped and re-created.

**Table 3–108: TSQL Error Codes - 21400 to 21499**

Error Code	Description
21400	Article property must be changed at the original Publisher of article '%s'.
21401	Article name cannot be 'all'.
21402	Incorrect value for parameter '%s'.
21403	The 'max_concurrent_dynamic_snapshots' publication property must be greater than or equal to zero.
21404	'%s' is not a valid value for the '%s' parameter. The value must be a positive integer greater than 300 or 0.
21405	'%s' is not a valid value for the '%s' parameter. The value must be an integer greater than or equal to %d.
21406	'%s' is not a valid value for the '%s' parameter. The value must be 0 or 1.
21413	Failed to acquire the application lock indicating the front of the queue.
21414	Unexpected failure acquiring application lock.
21415	Unexpected failure releasing application lock.
21416	Property '%s' of article '%s' cannot be changed.
21417	Having a queue timeout value of over 12 hours is not allowed.

Error Code	Description
21418	Failed to add column '%s' to table '%s' because of metadata overflow.
21419	Filter '%s' of article '%s' cannot be changed.
21420	Subscription property '%s' cannot be changed.
21421	Article '%s' cannot be dropped because there are other articles using it as a join article.

**Table 3–109: TSQL Error Codes - 21500 to 21599**

Error Code	Description
21500	Invalid subscription type is specified. A subscription to publication '%s' already exists in the database with a different subscription type.
21501	The supplied resolver information does not specify a valid column name to be used for conflict resolution by '%s'.
21502	The publication '%s' does not allow the subscription to synchronize to an alternate synchronization partner.
21503	Cleanup of merge meta data cannot be performed while merge processes are running. Retry this operation after the merge processes have completed.
21504	Cleanup of merge meta data at republisher '%s'. '%s' could not be performed because merge processes are propagating changes to the republisher. All subscriptions to this republisher must be reinitialized.
21505	Changes to publication '%s' cannot be merged because it has been marked inactive.
21506	sp_mergecompletecleanup cannot be executed before sp_mergepreparecleanup is executed. Use sp_mergepreparecleanup to initiate the first phase of merge meta data cleanup.
21507	All prerequisites for cleaning up merge meta data have been completed. Execute sp_mergecompletecleanup to initiate the final phase of merge meta data cleanup.
21508	Cleanup of merge meta data cannot be performed while merge processes are running. Cleanup will proceed after the merge processes have completed.
21509	Cleanup of merge meta data cannot be performed because some republishers have not quiesced their changes. Cleanup will proceed after all republishers have quiesced their changes.
21510	Data changes are not allowed while cleanup of merge meta data is in progress.
21511	Neither MSmerge_contents nor MSmerge_tombstone contain meta data for this row.



# 4

## System Error Messages

This document contains the following error messages:

- [General system errors](#)
- [Shadowing errors](#)
- [ISO 11756-1999 standard M programming language errors](#)

### 4.1 General System Error Messages

The following table lists the Caché system error messages. If a system process terminates with an error, it reports the error message via the operator console facility.

**Table 4–1: System Error Messages - A to E**

Error Code	Description
<ALARM>	An internal timer for user events has expired.
<ARRAY DIMENSION>	The expected dimensionality of the variable or argument is incorrect.
<BAD IMPLICIT>	Invalid implicit data conversion requested.
<BLOCKNUMBER>	A reference has been made to a block outside the range of the database file.
<_CALLBACK SYNTAX>	(Note underscore in error code name.) A name has been specified beginning with an underscore character followed by a letter.
<CANNOT GET THIS PROPERTY>	There has been an attempt to get a property of a class for which getting this property is invalid.
<CANNOT SET THIS PROPERTY>	There has been an attempt to set a property of a class for which setting this property is invalid.
<CLASS COMPILING>	There has been an attempt to instantiate a class or invoke a class method of a class which is currently being recompiled on the local system.
<CLASS DESCRIPTOR>	There has been an attempt to run a routine which is actually a class descriptor.

Error Code	Description
<CLASS DOES NOT EXIST>	A reference has been made to a nonexistent class. For further details, refer to <a href="#">\$ZERROR</a> .
<CLASS EDITED>	There has been an attempt to use an object hosted on the local system whose class has been recompiled from a remote system since the object was created.
<CLASS PROPERTY>	Caché does not support class properties. Class property syntax generates a compile error. Attempts to issue a class property reference by calling a <code>propertyGet()</code> instance method as a class method fails with this error. Rewrite as a proper class method instead of a calculated property.
<CLASS RECOMPILED>	There has been an attempt to use an object hosted on the local system whose class has been recompiled on the local system since the object was created.
<CLASS TOO BIG TO LOAD>	A class cannot be used because its class descriptor is too large to fit into a routine buffer.
<CLASS TOO BIG TO SAVE>	A class cannot be created because its class descriptor is too large to fit into a routine buffer.
<CLIENT-SERVER MISMATCH>	A network request cannot be processed due to incompatibility between the client and server.
<CLUSTERFAIL>	A cluster member has failed during global buffer lock processing.
<COLLATECHANGE>	There was an attempt to change the collation algorithm while subscripted local variables are defined.
<COLLATEMISMATCH>	Subscript level mapping failed due to misconfigured collation type.
<COLLATION NOT SUPPORTED>	A reference has been made to a global whose collation type is not supported on the current system.
<COMMAND>	A command has been used improperly in this context, such as an argumentless <b>GoTo</b> in a routine. For further details, refer to <a href="#">\$ZERROR</a> .
<COMMITFAIL>	Received during a COMMIT when Caché receives an error while processing a <b>TCommit</b> . This error means that Caché is not sure whether one or more remote machines actually processed the commit.
<COMPLEX PATTERN>	The combination of pattern and input string generate too many possible matches to manage.
<CONFLICTING BLOCK NUMBERS>	There has been an attempt to reserve a block that was already reserved.
<CORRUPT OBJECT>	An internal object system error occurred. Contact InterSystems Worldwide Response Center if this error occurs.
<CORRUPT VOLUME SET>	The volume set is corrupted. Usually, this means the label on the volume set is wrong. Use the LABEL utility to correct it.
<CP NOT STARTED>	One of the major processes required for proper operation of the system failed to start. This is potentially a very serious system error; notify your system manager.

Error Code	Description
<DATABASE MAP LABEL>	There is an invalid label in a database map block.
<DATABASE>	Caché has detected degradation in this database (this is potentially a very serious system error; notify your system manager).
<DIRECTORY>	There is no such directory on the target system, no Caché database, the Caché database is not mounted, or the database is locked by another configuration. For further details, refer to <a href="#">\$ZERROR</a> .
<DISCONNECT>	A TCP disconnect has been detected while a long-duration request is being processed.
<DISKHARD>	Caché has encountered an uncorrectable disk hardware error (this may also be the result of a database problem; notify your system manager).
<DIVIDE>	There has been an attempt to divide by zero.
<DOMAINSPACERETRY>	Repeated attempts to contact the domain space master have failed.
<DSCON>	There has been an attempt to read from a disconnected terminal.
<DSKFUL>	An attempt to write data to a disk file failed because the file reached its maximum size; some of the data was written but not all.
<DUPLICATEARG>	There has been an attempt use \$SORTBEGIN with an ancestor or descendent of an already-defined \$SORTBEGIN global.
<DYNAMIC LIBRARY LOAD>	An error has occurred during an attempt to load a dynamic library via callout. See cconsole.log for additional information.
<ECODETRAP>	A user-generated software trap was generated by setting the \$ECODE system variable to a non-null string value.
<ENDOFFILE>	There has been an attempt to read past the end-of-file marker of a sequential file.
<ERRTRAP>	There are insufficient system resources remaining to run an error trap procedure.
<EXTERNAL INTERRUPT>	Another process has attempted to interrupt this process.

**Table 4-2: System Error Messages - F to J**

Error Code	Description
<FILEFULL>	Caché attempted to allocate a disk block for more global data or routine storage, but the attempt failed because the Caché database is full and could not be expanded.
<FRAMESTACK>	The routine has too many nested calls to <b>Do</b> , <b>For</b> , <b>Xecute</b> , <b>New</b> , or user-written functions. For further details, refer to <a href="#">\$ZERROR</a> .
<FUNCTION>	The specified function does not exist or is being used improperly.
<GARBAGE COLLECTOR FAILED>	The one of the processes that reclaims space in the database has failed. This is potentially a very serious system error; notify your system manager.
<HALTED>	An internal error message.

Error Code	Description
<ILLEGAL VALUE>	There has been an attempt to use a negative value where one is not allowed, such as, for \$X or \$Y.
<INSUFFICIENT CLASS MEMORY>	A class cannot be used because Caché has run out of shared memory.
<INTERNAL OBJECT ERROR>	An internal object system error. Contact InterSystems Worldwide Response Center if this error occurs.
<INTERRUPT>	A user has interrupted the routine. (In many implementations, the user has pressed <b>CTRL-C</b> .)
<INVALID ARGUMENT>	There is an invalid argument prototype in the <b>zfentry</b> specification of a callout function.
<INVALID BIT STRING>	The bit string used in a bit string operation is not valid.
<INVALID CLASS>	There has been an attempt to use a class that has been corrupted. Recompile the class and try again.
<INVALID FILE VARIABLE>	A file variable was expected but none was supplied.
<INVALID GLOBAL REFERENCE>	A global reference failed length validation.
<INVALID OREF>	No object with the specified OREF is currently in memory.
<INVALID SELECT LIST>	A SELECT list was expected but not supplied.
<INVALID TYPE>	An OREF has been used where not allowed.
<Java Exception>	An exception occurred during a call into the Java runtime environment.
<Java VM not loaded>	No Java Virtual Machine is available.

**Table 4–3: System Error Messages - K to O**

Error Code	Description
<LABELREDEF>	A routine has a duplicate label within it. Labels must be unique within the routine.
<LANGUAGE MISMATCH>	While compiling and inserting code into an existing routine, the current language mode differs from that of the routine.
<LICENSE ALLOCATION EXCEEDED>	There has been an attempt to exceed the operational user limit imposed on this instance with the <code>\$\$SYSTEM.License.SetUserLimit(InstanceUserLimit)</code> API.
<LICENSE LIMIT EXCEEDED>	There has been an attempt to exceed the number of users allowed by the active Cache license, either on the current Cache instance or in total among the set of instances sharing the license.
<LICENSE SERVER UNAVAILABLE>	The license server is unreachable at the moment. Check your network.
<LIST>	An improperly-formed list has been used.
<LOCKLOST>	Some locks once owned by this job have been reset.
<LOGIN INHIBITED>	The system is initializing. No users are permitted to begin work.



Error Code	Description
<MAGTAPE>	A magnetic tape operation encountered an error. Check \$ZA.
<MAXARRAY>	There are too many subscripts at this level.
<MAXINCREMENT>	An attempt to \$INCREMENT a variable did not change its value.
<MAX LOCKS>	The maximum lock count (32766) has been exceeded.
<MAXNUMBER>	An arithmetic operation has produced a number larger than the implementation allows.
<MAX ROUTINES>	There are no slots available to allocate to invoke a new routine.
<MAXSCOPE>	There has been an attempt to issue more than 31 levels of <b>New</b> commands.
<MAXSTRING>	There has been an attempt to specify or create a data string longer than the implementation allows (32,767 characters).
<METHOD DOES NOT EXIST>	The method does not exist in the specified class or the class of the specified object. For further details, refer to <a href="#">\$ZERROR</a> .
<METHOD NOT SUPPORTED>	The method exists, but is not supported in this context. For example, a nested call to <b>%ToJSON()</b> where the referenced object is not a dynamic object or array.
<MNEMONICSPACE>	There has been an attempt to use control mnemonics for a device with no associated mnemonic space.
<MV WRAPUP>	An internal error occurred during finalization of the MultiValue shell.
<NAKED>	There has been an attempt to use a naked global reference when the naked state was undefined.
<NAME>	There is invalid syntax in a name.
<NAMEADD>	There has been an overflow of device name table, resulting from the <b>Open</b> command.
<NAMESPACE>	The specified namespace is undefined or not active.
<NETFORMAT>	There has been an error in a network message. The remote system found fault with the format of a request. Call your support center to resolve this serious error.
<NETGLOREF>	There has been an error in a network message. The remote system found fault with the format of a request. Call your support center to resolve this serious error. (This can also occur if a remote global is a string-collated or 7-bit encoded global on a DSM system.)
<NETJOBMAX>	Another high-speed networking process cannot be added. This is usually due to an insufficient number of global buffers.
<NETLOCK>	A ObjectScript <b>Lock</b> command has been attempted to a remote computer whose remote system index is greater than 31. To correct, redefine your network configuration to include fewer than 32 remote computers.
<NETRETRY>	An operation failed at the network level in a way that could be immediately retried.

Error Code	Description
<NETSRVFAIL>	During a transaction COMMIT or a <b>Set</b> , <b>Kill</b> , <b>ZKill</b> command, a client system has detected that one of the servers involved in the transaction has restarted while the transaction was open. Caché
<NETWORK DATA UPDATE FAILED - BLOCKNUMBER>	An asynchronous network error occurred and updates sent over the network were lost because the remote system attempted to refer to a block that is outside the bounds of the database; notify your system manager.
<NETWORK DATA UPDATE FAILED - CLIENT-SERVER MISMATCH>	An asynchronous network error occurred and updates sent over the network were lost because a network request could not be processed due to incompatibility between the client and server.
<NETWORK DATA UPDATE FAILED - CLUSTERFAILED>	An asynchronous network error occurred and updates sent over the network were lost because a cluster member failed during global buffer lock processing.
<NETWORK DATA UPDATE FAILED - DATABASE>	An asynchronous network error occurred and updates sent over the network were lost because Caché on the server has detected degradation in this database. This is potentially a very serious system error; notify your system manager.
<NETWORK DATA UPDATE FAILED - DIRECTORY>	An asynchronous network error occurred and updates sent over the network were lost because the referenced directory is not on the remote system.
<NETWORK DATA UPDATE FAILED - DISKHARD>	An asynchronous network error occurred and updates sent over the network were lost because Caché on the server has encountered an uncorrectable disk hardware error. This may also be the result of a database problem; notify your system manager.
<NETWORK DATA UPDATE FAILED - FILEFULL>	An asynchronous network error occurred and updates sent over the network were lost because Caché on the server has encountered a <FILEFULL> error.
<NETWORK DATA UPDATE FAILED - MAXSTRING>	An asynchronous network error occurred and updates sent over the network were lost because Caché on the server has encountered an attempt to specify or create a data string longer than the implementation allows (32,767 characters).
<NETWORK DATA UPDATE FAILED - NETFORMAT>	An asynchronous network error occurred and updates sent over the network were lost because the remote system found fault with the format of a request. Call your support center to resolve this serious error.
<NETWORK DATA UPDATE FAILED - NETGLOREF>	An asynchronous network error occurred and updates sent over the network were lost because the remote system found fault with the format of a request. Call your support center to resolve this serious error.
<NETWORK DATA UPDATE FAILED - NETVERSION>	An asynchronous network error occurred and updates sent over the network were lost because the client and server systems are running different ECP versions, which cannot accept each other's message format.
<NETWORK DATA UPDATE FAILED - PROTECT>	An asynchronous network error occurred and updates sent over the network were lost because a <PROTECT> error occurred.

Error Code	Description
<NETWORK DATA UPDATE FAILED - STRINGSTACK>	An asynchronous network error occurred and updates sent over the network were lost because a <STRINGSTACK> error occurred.
<NETWORK DATA UPDATE FAILED - STRMISMATCH>	An asynchronous network error occurred and updates sent over the network were lost because there has been an internal error handling big strings over the network.
<NETWORK DATA UPDATE FAILED - SUBSCRIPT>	An asynchronous network error occurred and updates sent over the network were lost because a <SUBSCRIPT> error occurred.
<NETWORK DATA UPDATE FAILED - SYSTEM>	An asynchronous network error occurred and updates sent over the network were lost because a <SYSTEM> error occurred on the server. Either there has been an attempt to do something not allowed by the operating system or ECP. Or there is an error condition in Caché, in which case you should notify your support center with as much information as possible.
<NETWORK DATA UPDATE FAILED - WIDECHAR>	An asynchronous network error occurred and updates sent over the network were lost because a <WIDECHAR> error occurred.
<NETWORK DATA UPDATE FAILED>	An asynchronous network error occurred and updates sent over the network were lost. The reasons for the loss are undetermined. Call your support center to resolve this serious error.
<NETWORK UNLICENSED>	The application has attempted to access a remote directory, but there is no license for Caché networking.
<NETWORK>	Typically, one of the following has occurred: the network timeout has expired; the local port has gone down; the node being accessed is down; or the remote server connection is disabled.
<NLS TABLE>	There has been an attempt to perform NLS translation using data that is not proper for the conversion table.
<NO CURRENT OBJECT>	There is no current object.
<NO MAILBOX>	A resource needed for interprocess communication is unavailable.
<NO SOURCE>	A source line is missing from a routine in the routine source global.
<NODEV>	There has been an attempt to a write-only device, or write to a read-only device, with interjob communication.
<NOJOB>	There has been an attempt to specify an incorrect process number in a <b>View</b> command, or an error occurred in a <b>Job</b> command.
<NOLINE>	There has been an attempt to refer to a nonexistent routine line.
<NORESTART>	The application or function cannot be restarted.
<NOROUTINE>	There has been an attempt to refer to a nonexistent routine. For further details, refer to <a href="#">\$ZERROR</a> .
<NOSYS>	There has been an attempt to make an extended or implicit reference to a remote system that is not reachable in the current network configuration. The remote system is not in the tables, or is a DSM system that has not advertised itself.

Error Code	Description
<NOT PRIMARY VOLUME>	Volume sequence is not 1; the volume label disagrees with the function of the volume.
<NOTOPEN>	The device cannot be opened, or there has been an attempt to use an unopened device.
<NULL VALUE>	A null string appears where one is not allowed.
<OBJECT DISPATCH>	A non-multidimensional object property was supplied to a function that can only take a multidimensional object property. For further details, refer to <a href="#">\$DATA</a> or <a href="#">\$GET</a> .
<OUT OF \$ZF HEAP SPACE>	The <b>\$ZF</b> heap lacks the necessary available space to support one of the input or output parameters being passed between Caché and the external program invoked via the <b>\$ZF</b> function.

Table 4–4: System Error Messages - P to T

Error Code	Description
<PARAMETER>	The number of parameters passed to a labeled line by a user-written function reference or a <b>Do</b> command exceeded the number of formal parameters declared for the labeled line.
<PRIVATE METHOD>	There has been an attempt to invoke a private and, therefore, unavailable method.
<PRIVATE PROPERTY>	There has been an attempt to access a private and, therefore, unavailable property.
<PROPERTY DOES NOT EXIST>	The property is not part of the class of the specified object. For further details, refer to <a href="#">\$ZERROR</a> .
<PROTECT>	There has been an attempt to do something with a global ( <b>Read</b> , <b>Write</b> , or <b>Kill</b> ) for which there was no authorization; or there has been an attempt to use a <b>View</b> command which modifies memory, <b>\$View</b> , or modifying a SYS.Database property; or there has been an attempt to use a nonexistent directory, possibly with extended global syntax, or some other protection violation occurred. For further details, refer to <a href="#">\$ZERROR</a> .
<RANGE>	A bit or list position is out of allowable range.
<READ>	The record cannot be read.
<RECOMPILE>	A routine has been compiled under a different version of Caché or an InterSystems legacy product. It cannot be loaded onto this system with <b>%RIMF</b> , which transfers object code. Transfer it as source code (using <b>%RO</b> and <b>%RI</b> ) and then recompile it.
<REGULAR EXPRESSION>	There has been an error in the syntax of a regular expression (an invalid or ambiguous regular expression string, or a regular expression that specifies an unimplemented feature).
<REMOTE CLASS EDITED>	There has been an attempt to use an object hosted on a remote system whose class has been recompiled from a remote system since the object was created.

Error Code	Description
<REMOTE CLASS RECOMPILED>	There has been an attempt to use an object hosted on a remote system whose class has been recompiled from the local system since the object was created.
<RESJOB>	A process was intentionally terminated.
<ROLLFAIL>	Caché has encountered an error processing a call to <b>TRollBack</b> . This error means that Caché is not sure whether one or more remote machines actually processed the rollback.
<ROUTINELOAD>	An error occurred in loading a routine. The routine indicates object code corruption and may lead to database degradation. Contact your system manager.
<SELECT>	A <b>\$Select</b> function contains no true condition.
<SHARED MEM HEAP>	The request for shared memory cannot be satisfied. To avoid this error, the system could be reconfigured with more heap space allocated.
<SLMSPAN>	There has been an attempt to kill a global across a subscript level mapping boundary.
<STACK>	The argument stack is out of room or contains an incorrect type.
<STORE>	The process ran out of memory. If you expect the process to use a lot of memory, try doubling or quadrupling the <a href="#">available memory for the process</a> . If the error goes away, then the process needed more memory. If the error persists, then you need to figure out why it is using so much memory. Refer to the <a href="#">\$STORAGE</a> special variable for further details.
<STRINGSTACK>	An expression is too long, there are too many expressions in an argument for a single command, or an expression contains many very long strings. Simplify the expression.
<STRMISMATCH>	There has been an internal error handling big strings over the network.
<SUBSCRIPT>	A subscript has an illegal value or a global reference is too long. For further details, refer to <a href="#">\$ZERROR</a> . For more information on maximum length of global references, see the section “ <a href="#">Determining the Maximum Length of a Subscript</a> ” in the “Global Structure” chapter of <i>Using Caché Globals</i> .
<SWIZZLE FAIL>	You have opened an orefer and then attempted to swizzle in another related object which could not be referenced. This may be due to the deletion of the related object from disk or another process holding a lock on the related object.
<SYNTAX>	There is a syntax error (an error in the formation of a language construct, such as a misspelled or missing keyword).
<SYSTEM>	Either there has been an attempt to do something not allowed by the operating system, or there is an error condition in Caché, in which case you should notify your support center with as much information as possible.
<TCPWRITE>	A timeout has occurred on a TCP write operation.

Error Code	Description
<TERMINATOR>	There has been an attempt to read on a terminal or device in image mode with no terminator and it was not a fixed-length read.
<THROW>	A THROW has been issued, but no CATCH expression has been found on the call stack. For further details, refer to <a href="#">\$ZERROR</a> .
<TOO MANY CLASSES>	This process has attempted to access too many active classes.
<TOO MANY LONG STRINGS>	Too many intermediate long strings are present on the string stack.
<TOO MANY OREFS>	This process has attempted to create too many simultaneously open objects.
<TOO MANY USERS OF CLASS>	Too many processes are trying to use a particular class simultaneously (more than 65561).
<TOO MANY USERS>	Too many users are attempting to use the system at the same time.
<TOOMANYFILES>	Caché is unable to open a file because the underlying operating system has run out of file descriptors.
<TRANSACTION LEVEL>	The application has too many nested transactions pending.
<TRANSLATE>	Caché has read an input value for which it has no translation value. It therefore carries out the Default Action defined on the Translation tab of the Caché NLS utility.
<TRANSLOST>	A distributed transaction initiated by this job has been asynchronously rolled back by the server.

**Table 4-5: System Error Messages - U to Z**

Error Code	Description
<UNDEFINED>	There has been a reference to an undefined variable. For further details, refer to <a href="#">\$ZERROR</a> .
<UNIMPLEMENTED>	There has been an attempt to use either an unimplemented function or an unimplemented argument of a legitimate command or function.
<UNIMPLEMENTED DOUBLE>	The use of a floating-point number is not supported in this context.
<UNKNOWN ERROR>	An unexpected error has occurred. Call your support center to resolve this serious error.
<UNLICENSED>	The available license key does not permit the requested operation, for example, trying to create an encrypted database with an entry license.
<VALUE OUT OF RANGE>	The value is outside the maximum or minimum permissible range.
<VOLUME IS NOT FORMATTED>	The volume does not have the required formatting.
<VOLUME SET ALREADY CREATED>	There has been an attempt to format a Caché database that is already formatted.
<WIDE CHAR>	Caché read a multibyte character where a 1-byte character was expected.
<WRITE DEMON FAILED>	The write daemon is unable to continue. Call your support center to resolve this serious error.

Error Code	Description
<WRITE>	The record cannot be written.
<WRONG NAMESPACE>	There is an attempt to load the class from a private implied namespace.
<ZDDIF>	A DATEDIFF operation was attempted with an invalid date.
<ZTRAP>	There has been an attempt to issue a <b>ZTrap</b> command with no argument.

## 4.2 Shadowing Error Messages

In addition to the [general system errors](#) that shadowing can generate, there are also the following shadowing-specific error codes:

**Table 4–6: Shadowing Error Messages**

Error Code	Description
<ZFILE>	There has been a file-related problem, such as that a file cannot be found or cannot be opened; consult the error log for more details.
<ZMISC>	An error has occurred of a different type than the others listed in this table. More detail follows the <ZMISC> code itself.
<ZOPEN>	There has been an error opening a device with TCP; the database server being shadowed is down.
<ZREAD>	There has been a failure to read from the database server that is being shadowed, indicating that the server is disconnected or not currently running.
<ZSTOP>	Shadowing has been stopped by system shutdown or the user.

## 4.3 M Programming Language Errors

ObjectScript is a superset of the ISO 11756-1999 standard M programming language. The ISO 11756-1999 standard is identical to the former ANSI-standard M programming language.

These errors are returned to the [\\$ECODE](#) special variable.

**Table 4–7: ISO 11756-1999 Standard M Error Messages**

Message Text	Meaning
M1	Naked indicator undefined.
M2	Invalid <b>\$FNUMBER</b> code string combination.
M3	<b>\$RANDOM</b> argument less than 1.
M4	No true condition in <b>\$SELECT</b> .
M5	Line reference less than 0 (zero).
M6	Undefined local variable.

Message Text	Meaning
M7	Undefined global variable.
M8	Undefined special variable.
M9	Divide by zero.
M10	Invalid pattern match range.
M11	No parameters passed.
M12	Invalid line reference (negative offset).
M13	Invalid line reference (line not found).
M14	Line level not one (1). ( <b>DO</b> command.)
M15	Undefined index variable. ( <b>FOR</b> command.)
M16	<b>QUIT</b> with an argument not allowed.
M17	<b>QUIT</b> with an argument required.
M18	Fixed-length <b>READ</b> not greater than 0 (zero).
M19	Cannot merge a tree or subtree into itself.
M20	Line must have a formal parameter list.
M21	Formal parameter list name duplication.
M22	<b>SET</b> or <b>KILL</b> to <b>^\$GLOBAL</b> structured system variable name (SSVN) when data in global.
M23	<b>SET</b> or <b>KILL</b> to <b>^\$JOB</b> structured system variable name (SSVN) for nonexistent job number.
M24	Change to collation algorithm while subscripted local variables defined.
M26	Nonexistent environment (nonexistent namespace).
M27	Attempt to roll back a transaction that is not restartable.
M28	Mathematical function, parameter out of range.
M29	<b>SET</b> or <b>KILL</b> on structured system variable name (SSVN) not allowed by implementation.
M30	Reference to global variable with different collating sequence within a collating algorithm.
M31	Device control mnemonic expression used for a device without a mnemonic space being selected.
M32	Device control mnemonic used in user-defined mnemonic space which has no associated line.
M33	<b>SET</b> or <b>KILL</b> to <b>^\$ROUTINE</b> when the specified routine exists.
M35	Device does not support mnemonic spaces. ( <b>OPEN</b> or <b>USE</b> command.)
M36	Incompatible mnemonic spaces. ( <b>OPEN</b> or <b>USE</b> command.)
M37	<b>READ</b> from device identified by null string.
M38	Invalid structured system variable name (SSVN) subscript.
M39	Invalid <b>\$NAME</b> argument.
M40	Call by reference in the actual parameter list in <b>JOB</b> command.



Message Text	Meaning
M41	Invalid <b>LOCK</b> argument within a transaction.
M42	Invalid <b>QUIT</b> within a transaction.
M43	Invalid range value ( <b>\$X</b> or <b>\$Y</b> ). ( <b>SET</b> command.)
M44	Invalid command outside a transaction.
M45	Invalid <b>GOTO</b> reference.
M57	A label is defined more than once in a routine.
M58	Too few formal parameters.

