Connectivity - Transient Error List

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Contents

Connectivity - Transient Error List

Following errors are transient, and should be retried in application logic

Error code	Severity	Description
4060	16	Cannot open database "%.*ls" requested by the login. The login failed. For more information, see Errors 4000 to 4999
40197	17	The service has encountered an error processing your request. Please try again. Error code %d.
		You receive this error when the service is down due to software or hardware upgrades, hardware failures, or any other failover problems. The error code (%d) embedded within the message of error 40197] provides additional information about the kind of failure or failover that occurred. Some examples of the error codes are embedded within the message of error 40197 are 40020, 40143, 40166, and 40540.
		Reconnecting to your SQL Database server automatically connects you to a healthy copy of your database. Your application must catch error 40197, log the embedded error code (%d) within the message for troubleshooting, and try reconnecting to SQL Database until the resources are available, and your connection is established again. For more information, see Transient errors.
40501	20	The service is currently busy. Retry the request after 10 seconds. Incident ID: %ls. Code: %d. For more information, see:
		• Database server resource limits
		• DTU-based limits for single databases
		• DTU-based limits for elastic pools
		• vCore-based limits for single databases
		• vCore-based limits for elastic pools
40613	17	Database '%.*ls' on server '%.*ls' is not currently available. Please retry the connection later. If the problem persists, contact customer support, and provide them the session tracing ID of '%.*ls'.
		This error may occur if there is already an existing dedicated administrator connection (DAC) established to the database. For more information, see Transient errors.
49918	16	Cannot process request. Not enough resources to process request.

		The service is currently busy. Please retry the request later. For more information, see:
		• Database server resource limits
		• DTU-based limits for single databases
		• DTU-based limits for elastic pools
		• vCore-based limits for single databases
		• vCore-based limits for elastic pools
49919	16	Cannot process create or update request. Too many create or update operations in progress for subscription "%ld".
		The service is busy processing multiple create or update requests for your subscription or server. Requests are currently blocked for resource optimization. Query sys.dm_operation_status for pending operations. Wait until pending create or update requests are complete or delete one of your pending requests and retry your request later. For more information, see:
		• Database server resource limits
		• DTU-based limits for single databases
		• DTU-based limits for elastic pools
		• vCore-based limits for single databases
		• vCore-based limits for elastic pools
49920	16	Cannot process request. Too many operations in progress for subscription "%ld".
		The service is busy processing multiple requests for this subscription. Requests are currently blocked for resource optimization. Query sys.dm_operation_status for operation status. Wait until pending requests are complete or delete one of your pending requests and retry your request later. For more information, see:
		Database server resource limits
		DTU-based limits for single databases

		DTU-based limits for elastic pools
		vCore-based limits for single databases
		vCore-based limits for elastic pools
4221	16	Login to read-secondary failed due to long wait on 'HADR_DATABASE_WAIT_FOR_TRANSITION_TO_VERSIONING'. The replica is not available for login because row versions are missing for transactions that were in-flight when the replica was recycled. The issue can be resolved by rolling back or committing the active transactions on the primary replica. Occurrences of this condition can be minimized by avoiding long write transactions on the primary.

Retry logic code examples:

Connect resiliently to SQL with ADO.NET

Connect resiliently to SQL with PHP

How good have you found this content?