




DSS007 - SQL Error Index




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SqlError Number	Message	TSG/Documentation
0	Cannot enumerate changes at the RelationalSyncProvider for table '{X}'. Check the inner exception for any store-specific errors. or Inner exception: SqlException Error Code: -2146232060 - SqlError Number:0, Message: SQL error with code 0 SqlError Number:0, Message: SQL error with code 0	DSS014 - Troubleshooting data integrity issues
53	SQL error with code 53	
64	SQL error with code 64 Inner exception: The specified network name is no longer available	
103	SQL error with code 103 (103 means: "The identifier that starts with {x} is too long. Maximum length is 128.")	DSS043 - SQL error with code 103
156	Incorrect syntax near the keyword (156 means: Incorrect syntax near the keyword '%.*Is'.)	Incorrect syntax near 'MERGE' or 'AS' Incorrect syntax near the keyword 'NOT'
206	Operand type clash: datetime2 is incompatible with bit	
207	Invalid column name '{X}'.	DSS017 - Invalid column name Use DSS004 - Data Sync Health Checker
208	Invalid object name Cannot enumerate changes at the RelationalSyncProvider for table '{X}'. Check the inner exception for any store-specific errors. Inner exception: SqlException Error Code: -2146232060 - SqlError Number:208, Message: Invalid object name '{X}'.	To identify the table and column you can use DSS004 - Data Sync Health Checker or DSS014 - Troubleshooting data integrity issues

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241	Conversion failed when converting date and/or time from character string.	(1) Even if the table has no datetime columns (always confirm that the table schemas match in terms column data type), the insert/update may trigger computed columns, constraints, indexed views casting to date and/or time. (2) Also maybe related with filtered scopes.
242	The conversion of a varchar data type to a datetime data type resulted in an out-of-range value.	We got 1 case with this error during BulkInsert, but could not get the RCA. Mitigation was to remove the table from the sync group and re-add it and deleting the table in the destination along the process.
258	SQL error with code 258 Inner exception: The wait operation timed out	
262	permission denied in database	Check Login permissions. https://docs.microsoft.com/en-us/azure/azure-sql/database/sql-data-sync-best-practices#database-accounts-with-least-required-privileges 
271	The column "{X}" cannot be modified because it is either a computed column or is the result of a UNION operator.	https://docs.microsoft.com/en-us/azure/sql-/sql-database-sync-data#unsupported-column-types  To identify the table and column you can use DSS014 - Troubleshooting data integrity issues
325	Incorrect syntax near 'MERGE'. You may need to set the compatibility level of the current database to a higher value to enable this feature. See help for the SET COMPATIBILITY_LEVEL option of ALTER DATABASE (325 means: Incorrect syntax near '%.*Is'.	Error - Incorrect syntax error 325 and 156


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	You may need to set the compatibility level of the current database to a higher value to enable this feature. See help for the SET COMPATIBILITY_LEVEL option of ALTER DATABASE.)	
342	Column "dbo" is not allowed in this context, and the user-defined function or aggregate "dbo.{X}" could not be found.	The user-defined function or aggregate is missing, review if exists and it's visible to the user.
468	Cannot resolve the collation conflict between "SQL_Latin1_General_CP1_CI_AS" and "Latin1_General_CI_AS" in the equal to operation.	SQL Data Sync requires that the primary key columns have the same collation between hub and member databases: https://docs.microsoft.com/en-us/azure/sql-database/sql-database-sync-data#is-collation-supported-in-sql-data-sync 
515	Cannot insert the value NULL into column '{X}', table '{X}'; column does not allow nulls. INSERT fails.	If this is an user table: DSS030 - Cannot insert the value NULL into column 'X', table 'Y'; column does not allow nulls. DSS014 - Troubleshooting data integrity issues
547	The INSERT statement conflicted with the FOREIGN KEY constraint "{X}". The conflict occurred in database "{X}", table "{X}", column '{X}'.	DSS014 - Troubleshooting data integrity issues
1205	SQL error with code 1205 (1205 means: Transaction (Process ID %d) was deadlocked on %.*Is resources with another process and has been chosen as the deadlock victim. Rerun the transaction.)	
1904	The index '{X}' on table '{X}' has 34 columns in the key list. The maximum limit for index key column list is 32.	

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1919	Column '{X}' in table '{X}' is of a type that is invalid for use as a key column in an index.	
2601	SQL error with code 2601 (2601 means: Cannot insert duplicate key row in object '%.*Is' with unique index '%.*Is'. The duplicate key value is %Is.)	DSS014 - Troubleshooting data integrity issues
2627	Violation of primary key or unique key constraint. Cannot insert duplicate key in object.	DSS027 - SqlError Number:2627 Violation of UNIQUE KEY constraint, The duplicate key value is ().
2714	There is already an object named '{X}' in the database.	
3621	<p>3621 means: The statement has been terminated. Check the other error codes like:</p> <p>SqlError Number:515, Message: Cannot insert the value NULL into column '{X}', table '{X}'; column does not allow nulls. INSERT fails. SqlError Number:3621, Message: SQL error with code 3621</p> <p>or</p> <p>SqlError Number:547, Message: The DELETE statement conflicted with the REFERENCE constraint "{X}". The conflict occurred in database "{X}", table "{X}", column '{X}'. SqlError Number:3621, Message: SQL error with code 3621</p> <p>or</p> <p>SqlError Number:547, Message: The INSERT statement conflicted with the FOREIGN KEY constraint "{X}". The conflict occurred in database "{X}", table "{X}", column '{X}'. SqlError Number:3621, Message: SQL error with code 3621</p> <p>or</p> <p>SqlError Number:2601, Message: SQL error with code 2601 SqlError Number:3621, Message: SQL error with code 3621</p>	

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	<p>(2601 means: Cannot insert duplicate key row in object '%.*ls' with unique index '%.*ls'. The duplicate key value is %ls.)</p> <p>or</p> <p>SqlError Number:2627, Message: Violation of primary key or unique key constraint. Cannot insert duplicate key in object.</p> <p>SqlError Number:3621, Message: SQL error with code 3621</p>	
3906	Failed to update database "{X}" because the database is read-only.	
3952	Snapshot isolation transaction failed accessing database '{DatabaseName}' because snapshot isolation is not allowed in this database. Use ALTER DATABASE to allow snapshot isolation.	https://docs.microsoft.com/en-us/azure/sql-database/sql-database-sync-data#general-requirements  and/or DSS015 - isolation transaction failed
3958	<p>An unexpected error occurred when applying batch file sync_....batch. See the inner exception for more details.</p> <p>or</p> <p>Inner exception: Failed to execute the command 'BulkInsertCommand' for table '{X}'; the transaction was rolled back. Ensure that the command syntax is correct.</p> <p>or</p> <p>Inner exception: SqlException Error Code: -2146232060 - SqlError Number:3958, Message: SQL error with code 3958</p> <p>(3958 means: Transaction aborted when accessing versioned row in table '%.*ls' in database '%.*ls'. Requested versioned row was not found. Your tempdb is probably out of space. Please refer to BOL on how to configure tempdb for versioning.)</p>	Error - Querying Metadata under Snapshot isolation 
3961	Snapshot isolation transaction failed in database '{X}' because the object accessed by the statement has been modified by a DDL statement in another concurrent	Error - Querying Metadata under Snapshot isolation 

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	transaction since the start of this transaction. It is disallowed because the metadata is not versioned. A concurrent update to metadata can lead to inconsistency if mixed with snapshot isolation.	
3980	<p>SqlException Error Code: -2146232060 - SqlError Number:-2, Message: SQL error with code -2 SqlError Number:3980, Message: SQL error with code 3980 (3980 means: The request failed to run because the batch is aborted, this can be caused by abort signal sent from client, or another request is running in the same session, which makes the session busy.)</p> <p>Inner exception: The wait operation timed out</p>	
4060	Cannot open database requested by the login. The login failed.	
8106	Table '%.*ls' does not have the identity property. Cannot perform SET operation.	Check the schema definition on both sides. This means that one table as an IDENTITY column and the other don't have. Note that IDENTITY should be part of the PK
8152	SQL error with code 8152 (8152 means: String or binary data would be truncated.)	DSS016 - Error String or binary data would be truncated And/or DSS014 - Troubleshooting data integrity issues
13536	Cannot insert an explicit value into a GENERATED ALWAYS column in table '{X}'. Use INSERT with a column list to exclude the GENERATED ALWAYS column, or insert a DEFAULT into GENERATED ALWAYS column.	https://docs.microsoft.com/en-us/azure/sql-database/sql-database-sync-data#unsupported-column-types  To identify the table and column you can use

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		DSS014 - Troubleshooting data integrity issues
15151	Cannot find the type 'X_dss_BulkType_..guid.., because it does not exist or you do not have permission.	DSS022 - Permission error
18456	Login failed.	
40197	<p>The service has encountered an error processing your request. Please try again.</p> <p>or</p> <p>An unexpected error occurred when applying batch file sync_.....batch. See the inner exception for more details.</p> <p>or</p> <p>Inner exception: SqlException Error Code: -2146232060 - SqlError Number:40197, Message: The service has encountered an error processing your request. Please try again. Error code 40549. SqlError Number:0, Message: SQL error with code 0</p> <p>or</p> <p>Cannot enumerate changes at the RelationalSyncProvider for table '{X}'. Check the inner exception for any store-specific errors.</p> <p>or</p> <p>Inner exception: SqlException Error Code: -2146232060 - SqlError Number:40197, Message: The service has encountered an error processing your request. Please try again. Error code 823. SqlError Number:0, Message: SQL error with code 0</p>	<p>You will need to check other error codes</p> <p>You may try DSS013 - Data Sync XEvent</p> <p>In case it's an on-prem agent you can try DSS010 - Collect on-prem agent verbose log</p>
40532	Cannot open server requested by the login. The login failed.	
40544	<p>Inner exception: Failed to execute the command 'xxxx' for table 'xxxx'; the transaction was rolled back. Ensure that the command syntax is correct.</p> <p>Inner exception: SqlException Error Code:</p>	

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	<p>-2146232060 - SqlError Number:40544, Message: SQL error with code 40544</p> <p>(40544 means: The database '%.*ls' has reached its size quota. Partition or delete data, drop indexes, or consult the documentation for possible resolutions.)</p>	
40613	Database is not currently available. Please retry the connection later.	
40615	Cannot open server requested by the login. Client is not allowed to access the server. To enable access, use the SQL Azure Portal or run sp_set_firewall_rule on the master database to create a firewall rule for this IP address or address range. It may take up to five minutes for this change to take effect.	
104467	<p>Azure Synapse error</p> <p>(Enforced unique constraints are not supported in Azure SQL Data Warehouse. To create an unenforced unique constraint you must include the NOT ENFORCED syntax as part of your statement.)</p>	<p>Azure Synapse is not supported - https://docs.microsoft.com/en-us/azure/azure-sql/database/sql-data-sync-data-sql-server-sql-database#overview </p>

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