

## SQL Data Compare Scripting Options

Scripting Options are listed on the second tab of the IDERA SQL Data Compare Options window. Those options affect the way the synchronization script is generated but do not affect the comparison operation.

- Transaction size.** Determines the max. size of the SQL Server transaction, under which the synchronization script runs. In some cases, the synchronization script can get extremely large, with millions of insert/update/delete statements. Wrapping such a large script in a single transaction may not be possible, due to the transaction size limitations, or acceptable, for performance and other reasons. Setting a max. transaction size is a way around these restrictions. If the transaction has a max. size, data compare commits the current transaction when the max. size is reached and starts a new one. To have a transaction with no upper limit, set the max transaction size to 0.

**i** Please use this option with caution. If you set a max. transaction limit and the synchronization process is canceled, only the current, open transaction is rolled back. Changes committed prior to that transaction are permanent and cannot be reversed. We strongly recommend, if possible, to leave the transaction unlimited, since it ensures that all changes in the database are either committed or rolled back.

- Batch size.** Determines the size of data that is transmitted to SQL Server in one execution. A transaction normally contains many batches, but the batch itself is a single unit of work that cannot be divided any further.

The screenshot shows the 'Data Compare Options' dialog box with the 'Scripting Options' tab selected. The 'Comparison Options' tab is also visible. The 'Scripting Options' section includes the following settings:

- ☒ Generate and execute a transactional script
  - Transaction size (in MB): 256 (up to 2048 MB)
- Execution batch size (in KB): 16 (1 - 64)
- ☐ Log script execution
  - Log file: [empty text box]
- ☒ Disable DML triggers
- ☐ Disable system-versioning of the temporal tables
- Drop/Create: [dropdown menu]
- Action on foreign keys: [dropdown menu]
- Local and Remote: [dropdown menu]
- Stretched tables query scope: [dropdown menu]

The 'Description' section on the right states: 'Indicates whether Data Compare should generate or execute a transactional script. You can also specify the maximum transaction size in MB. If the maximum transaction size is reached, the running transaction commits and a new transaction starts. A value of 0 indicates an unlimited transaction.'

The 'Remarks' section on the right states: 'Use this option carefully. Turning off the transactional option would make it impossible to reverse database changes made by the synchronization script.'

At the bottom right, there is a 'Restore Default Options' link and 'OK' and 'Cancel' buttons.

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