

# Log Files and Options

The Log Files and Options step contains the command line log files and a few options:

- The top section of the page contains the source and the target database. You can flip them by clicking on the Flip link. Target database is the database on which the data synchronization will be executed.
- **Synchronize the target database.** Indicates whether the synchronization script should be executed in the target database. If unchecked, the script is generated, optionally saved to a file, but not executed.
- **Encrypt SQL Server instance, credentials and database name.** Encrypts these settings in the xml config file.
- **Log operational messages to.** Logs the operational messages, such as the data compare progress, to the specified file.
- **Save the error log to a file.** Saves the data compare errors to the specified file.
- **Create a Windows error log.** Creates an Windows Event Log for the data comparison errors, instead of logging them to a file.
- **Save sync script to.** Saves the data synchronization script to the specified file.
- **Save sync log to.** Saves the data synchronization log to the specified file.
- **Use this encoding for all files.** The encoding that should be used for all output files.
- **Override all log files.** Whether the log files should be overridden or appended to.
- **Execute quietly and hide operational messages.** If checked, does not show the operational messages on the console.

The screenshot shows the 'Log Files and Options' step of the 'Idera Data Compare Command Line Wizard'. The window title is 'Idera Data Compare Command Line Wizard'. The main area is titled 'Specify the command line log files and other settings.'.

At the top, it shows two databases: 'DEVSrv003\SQL2019 AdventureWorks (source)' and 'DEVSrv002\SQL2016 AdventureWorks (target)'. A 'Flip' button is between them.

Below this, there are two checkboxes:
 

- ☒ Synchronize the target database. A warning icon and text below it state: 'If checked, the command line will execute the synchronization script and make permanent changes in the target database.'
- ☐ Encrypt SQL Server instance, credentials and database name in the xml config file

The 'Optional Settings' section contains several fields and options:
 

- 'Log operational messages to:' with a text box containing 'D:\QA\Idera\SqlData\CmDL\Logs\log.txt' and a 'Browse...' button.
- 'Save the error log to a file' (selected with a radio button) with a text box containing 'D:\QA\Idera\SqlData\CmDL\Logs\err.txt' and a 'Browse...' button.
- 'Create a Windows error log' (unselected with a radio button) with an empty text box.
- 'Save sync, script as:' with a text box containing 'D:\QA\Idera\SqlData\CmDL\Logs\sync\_script.sql' and a 'Browse...' button.
- 'Save sync log as:' with a text box containing 'D:\QA\Idera\SqlData\CmDL\Logs\sync\_log.txt' and a 'Browse...' button.
- 'Use this encoding for all files:' with a dropdown menu set to 'UTF-8'.
- Two checkboxes at the bottom:
  - ☒ Overwrite all log files
  - ☐ Execute quietly and hide operational messages

On the left side, there is a navigation pane with links: 'Get Started', 'Source Database', 'Target Database', 'Pairing Type', 'Comparison Options', 'Scripting Options', 'Table Mapping Rules', 'Excluded Tables', 'Tables Settings', 'View Mapping Rules', 'Excluded Views', 'Views Settings', '→ Log Files & Options' (which is highlighted), and 'Save the Config File'.

At the bottom right, there are three buttons: 'Previous', 'Next', and 'Exit'.

The following xml fragment contains the command line settings:

```

<CommandLineOptions>
  <ComparisonLogFile>D:\QA\Idera\SqlData\Cmd\Logs\op.txt<
/ComparisonLogFile>
  <ErrorLogName>D:\QA\Idera\SqlData\Cmd\Logs\err.txt</ErrorLogName>
  <DataScriptFile>D:\QA\Idera\SqlData\Cmd\Logs\sync_script.sql<
/DataScriptFile>
  <DataLogFile>D:\QA\Idera\SqlData\Cmd\Logs\sync_log.txt<
/DataLogFile>
  <FileEncoding>UTF8</FileEncoding>
  <OverwriteComparisonLog>true</OverwriteComparisonLog>
  <TargetDatabase>RightDatabase</TargetDatabase>
  <!--**** the synchronization script will be executed against the
target database ****-->
  <Synchronize>true</Synchronize>
  <EncryptConnectionSettings>>false</EncryptConnectionSettings>
</CommandLineOptions>

```

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