

SQL Schema Compare Command Line Log Files and Options

The Log Files and Options contains the command line log files and other settings:

- The top section of the page contains the source and the target schema. You can flip them by clicking on the Flip link. Target database is the database on which the 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.** Saves the operational logs to the specified file.
- **Save the error log to a file.** Saves the error to the specified file.
- **Create a Windows error log.** Creates an Windows Event Log for the comparison errors instead of a log file.
- **Save sync script to.** The file where the synchronization script should be saved.
- **Save sync log to.** The file where the synchronization log should be saved.
- **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 any operational messages on the console.

The screenshot shows the 'Idera Schema Compare Command Line Wizard' window, specifically the 'Log Files & Options' tab. The window title is 'Idera Schema Compare Command Line Wizard'. The main area is titled 'Specify the command line log files and other settings.'.

At the top, there are two database instances: 'DEVSRV002\SQL2016 AdventureWorks (source)' and 'DEVSRV003\SQL2019 AdventureWorks (target)'. A 'Flip' button is between them.

Below this, there are two checked options:

- ☒ Synchronize the target database. A warning icon indicates: '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 includes:

- 'Log operational messages to:' with a text box containing 'D:\QA\Idera\SqlSchema\CmdLogs\log.txt' and a 'Browse...' button.
- 'Save the errors log to a file' (selected with a radio button) with a text box containing 'D:\QA\Idera\SqlSchema\CmdLogs\err.txt' and a 'Browse...' button.
- 'Create a Windows log for errors' (unselected with a radio button) with an empty text box.
- 'Save sync. script as:' with a text box containing 'D:\QA\Idera\SqlSchema\CmdLogs\sync_script.sql' and a 'Browse...' button.
- 'Save sync. log as:' with a text box containing 'D:\QA\Idera\SqlSchema\CmdLogs\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 do not display operational messages on the screen

At the bottom of the window are three buttons: 'Previous', 'Next' (highlighted), and 'Exit'.

The following xml fragment contains the command line settings:

```
<CommandLineSettings>
  <LogFile>D:\QA\Idera\SqlSchema\Cmd\Logs\op.txt</LogFile>
  <ErrorLogName>D:\QA\Idera\SqlSchema\Cmd\Logs\err.txt<
/ErrorLogName>
  <SchemaScriptFile>D:\QA\Idera\SqlSchema\Cmd\Logs\sync_script.sql<
/SchemaScriptFile>
  <SchemaLogFile>D:\QA\Idera\SqlSchema\Cmd\Logs\sync_log.txt<
/SchemaLogFile>
  <FileEncoding>UTF8</FileEncoding>
  <Overwrite>true</Overwrite>
  <TargetDatabase>RightDatabase</TargetDatabase>
  <!--**** the synchronization script will be executed against the
target database ****-->
  <Synchronize>true</Synchronize>
  <EncryptConnectionSettings>false</EncryptConnectionSettings>
</CommandLineSettings>
```

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