

Specifying the Source and Target Databases

The source and target database steps allow you to specify the SQL Server databases that you want to compare. For more detail about the database connection settings, see [SQL Data Compare Add Databases](#).

The screenshot shows the 'Enter the source SQL Server, database and connection settings' step of the Idera Data Compare Command Line Wizard. The left sidebar contains a list of steps: Get Started, Source Database (selected), 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, and Save the Config File. The main area contains the following settings:

- SQL Server:** DEVSRV003\SQL2019
- Authentication:** Windows Authentication (selected), SQL Server Authentication (unselected)
- Username:** (empty field)
- Password:** (empty field)
- Database:** AdventureWorks
- Verify Database:** (button)
- Save the database settings as a connection string in the xml file:** (checkbox, unchecked)
- Advanced Settings:**
 - Connection timeout:** 15 seconds
 - Query timeout:** 1200 seconds
 - Network protocol:** Default
 - Network packet size:** 0 (0 indicates the default packet size)
 - Pool the connection:** (checkbox, unchecked)
 - Other connection settings:** (text area with placeholder: name1=value1;name2=value2;...)
 - Restore Defaults:** (button)

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

i Even though we refer to the SQL Server database as the "source" or "target", the command line can switch them, so the source can become the target and vice versa. More details on setting the target database are included in the Log Files and Options step.

Below is the xml fragment that contains the SQL Server databases:

```
<LeftDatabase>
  <SqlServer>DEVSRV003\SQL2019</SqlServer>
  <DatabaseName>AdventureWorks</DatabaseName>
  <TrustedConnection>true</TrustedConnection>
</LeftDatabase>
<RightDatabase>
  <SqlServer>DEVSRV002\SQL2016</SqlServer>
  <DatabaseName>AdventureWorks</DatabaseName>
  <TrustedConnection>true</TrustedConnection>
</RightDatabase>
```