

DSA-S Overview

The SQL Data Staging Area (DSA-S) provides each college with access to their college data that is stored in the SQL databases hosted at the State Data Center by the State Board for Community and Technical Colleges. Data may be extracted from the DSA-S to the college campuses using a SQL Server Linked Server. The DSA-S has been developed to become your data source to populate your locally hosted data staging area.

Document Purpose

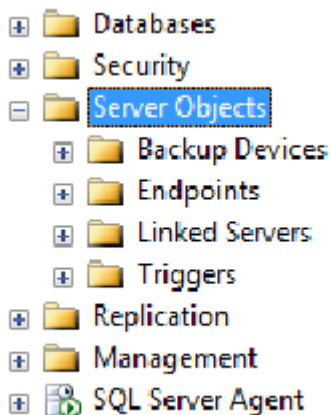
This document will illustrate how to create a Linked Server within SQL Server using the Microsoft OLE DB Provider for SQL Server. The steps will work for either SQL 2005 or SQL 2008.

Prerequisites

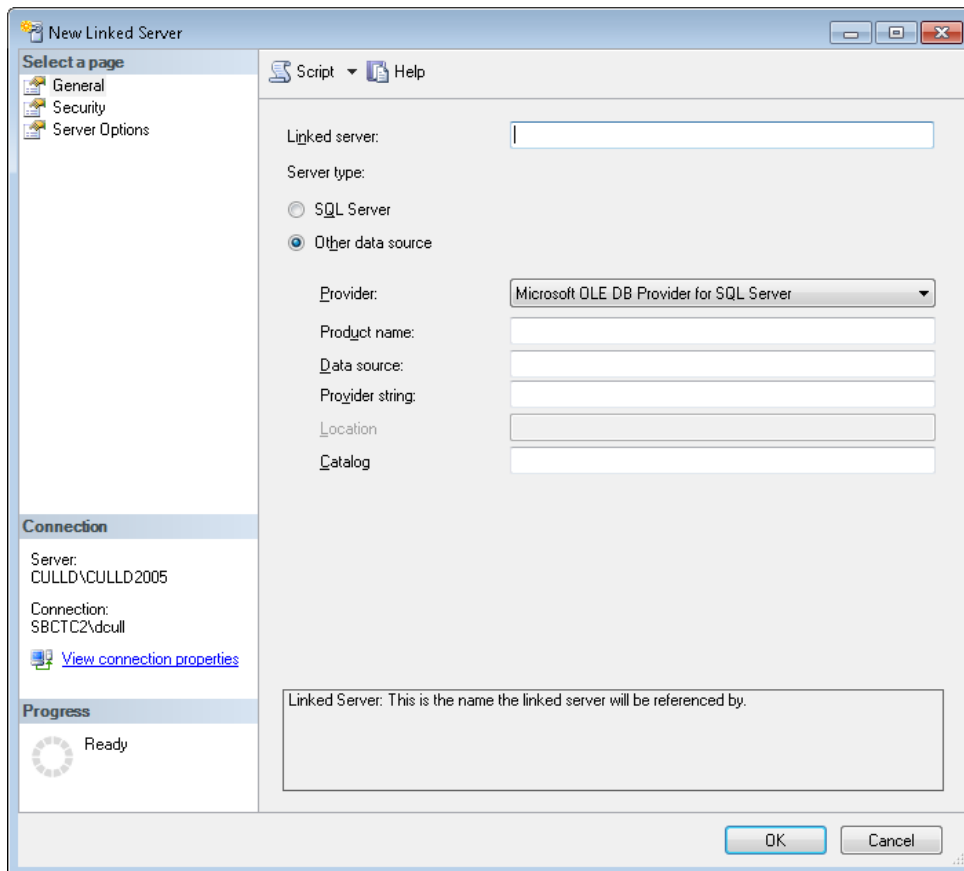
Please see the **Prerequisites** section in the **DSAs Overview** documentation for what will need to be in place and acquired in order to proceed with creating your SQL Server Linked Server.

Creating the SQL Server Linked Server

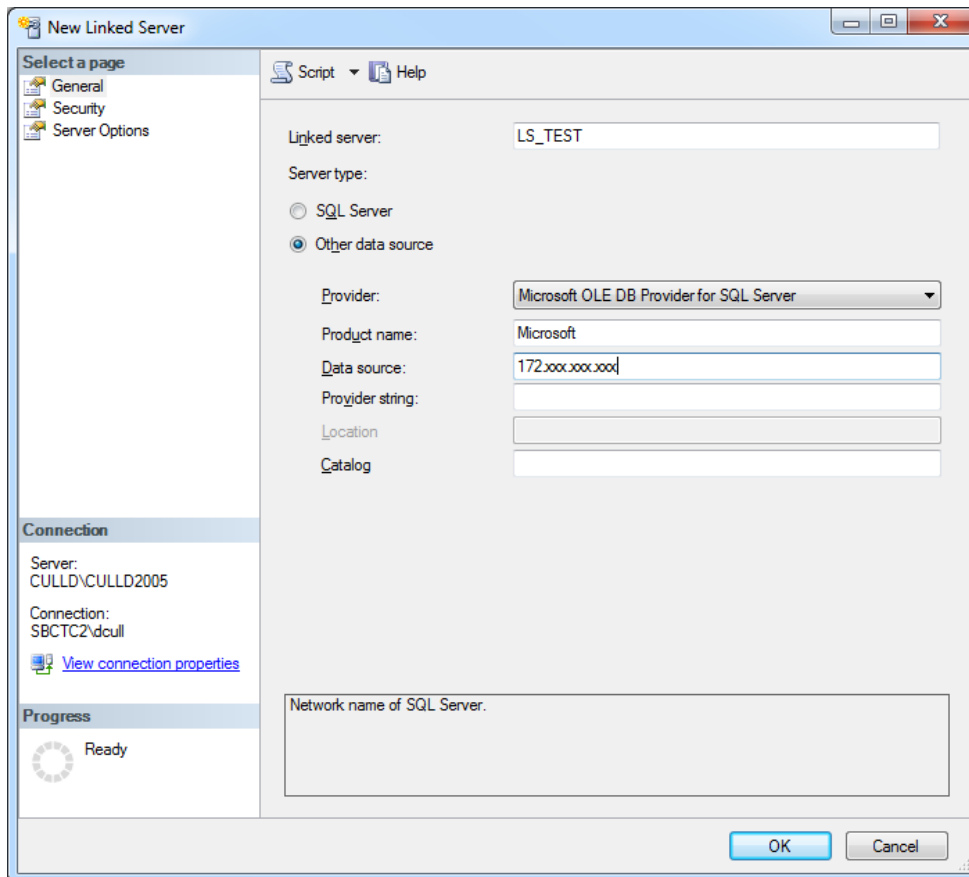
- Within **SQL Server Management Studio (SSMS)**, expand the **Server** object and then expand the **Server Objects** object



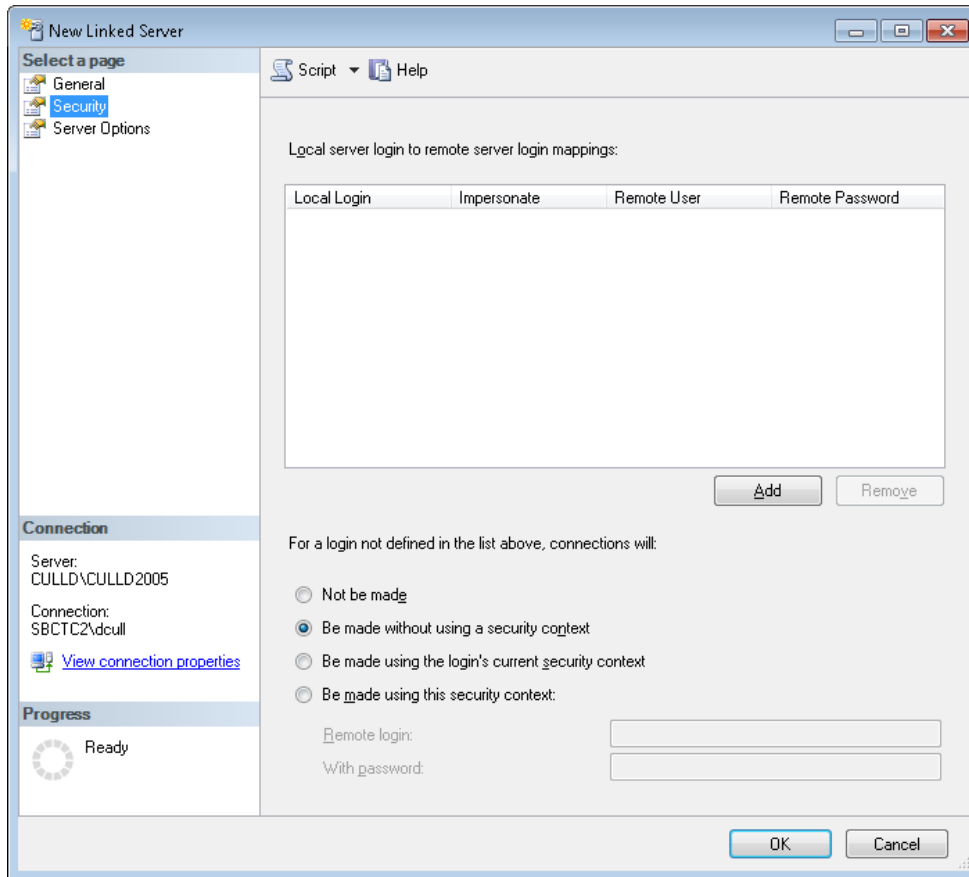
- Right click the **Linked Servers** object and select **New Linked Server...**



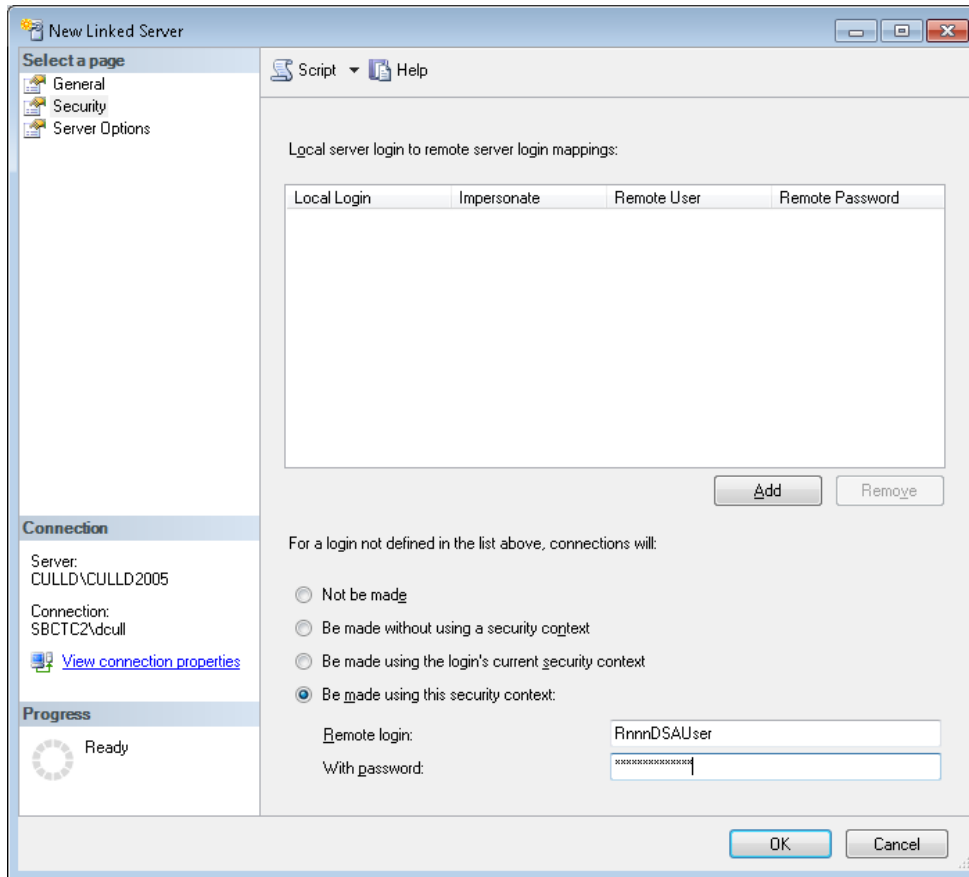
- Fill in the **Linked Server** fields as follows:
 - **Name** the **Linked Server** according to your naming standards
 - In the **Provider** dropdown menu, leave the default
 - In the **Product name:** field, type Microsoft
 - In the **Data source:** field, type the **IP** of the **DSAs SQL Server**



- In the left pane, click the **Security** page



- Select the **Be made using this security context:** radio button and enter the credentials supplied by the SBCTC as part of the **Prerequisites** found in the **DSAs Overview** documentation



- Click the **OK** button to save the **Linked Server**. The connection is automatically tested as part of the save process.

Testing the Linked Server

There are two ways to test the **Linked Server** after the initial creation, as follows:

- T-SQL syntax.
`EXEC sp_testlinkedserver <Linked Server Name> -- minus <>`

Or

- Using SSMS, navigate to **Server Objects – Linked Servers**. Right click the **Linked Server** object name and click **Test Connection**

Support

Direct issues regarding the DSA-S to the SBCTC-ITD Service Desk:

- **Email:** SBCTC-ITD Service Desk (support@sbctc.edu)
- **Phone:** 425-803-9721