CST2355 - Assignment 1

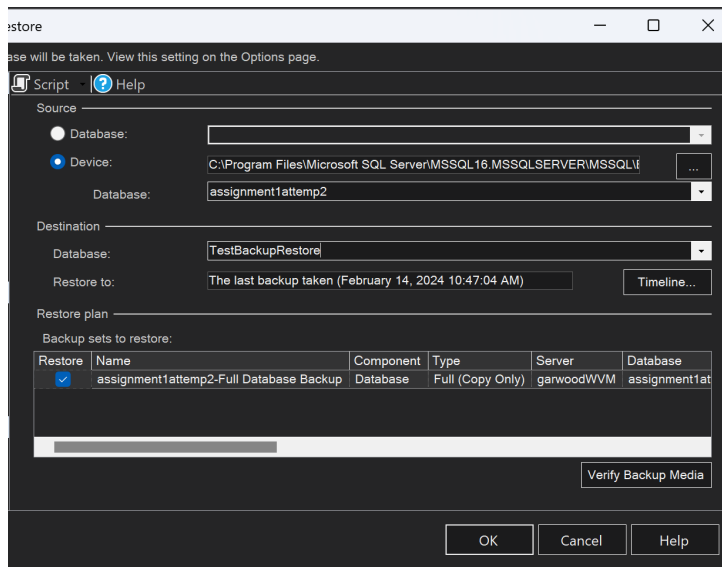Joseph Garwood
February 13, 2024

Installation & Backup Instructions
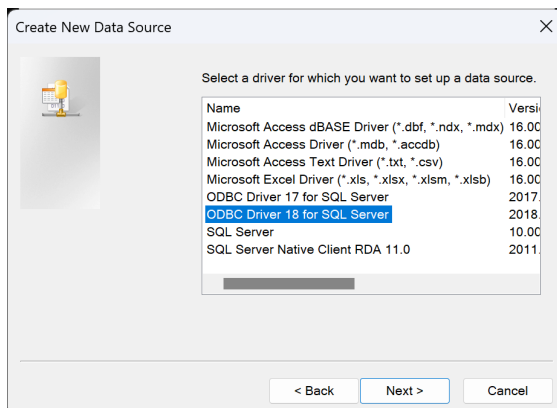
Installation:

MS SQL/SSMS:
1. Download and locate the backup (.bak) file of the MS SQL backend named "applianceRepairBackend.bak".
2. Open Microsoft SQL Server Management Studio.
3. Once in MS SQL/SSMS, log into your server and locate your "Databases" folder within your server.
4. Right click on the "Databases" folder and select "Restore database".
5. Inside the restore wizard, select the "Device" option under "Source". Then chose the "applianceRepairBackend.bak" file downloaded before.
6. Under "Destination" section, enter in the desired name for your database in "Database".
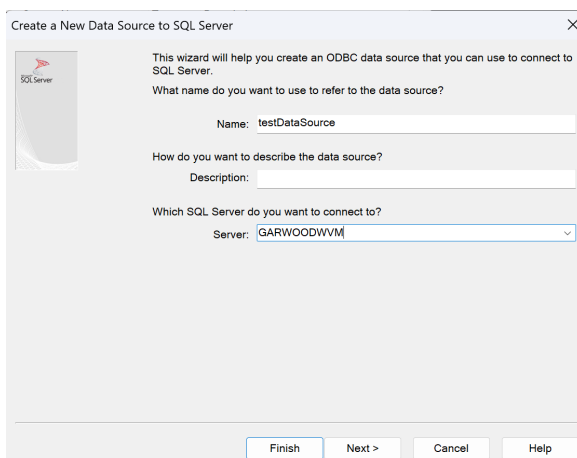

7. Click "OK" to complete the restoration from the backup file.

Microsoft Access:

1. To install and link the Access front end. Locate and download the access file named "applianceRepairFrontend.accdb"
2. Open Microsoft Access.
3. Open the access file and link it to the MS SQL backend by clicking "External Data" in the top ribbon, then "New Data Source".
4. From the drop-down list, select "From Database", then "From SQL Server".
5. In the new window, you will select "Link to the data source by creating a linked table".
6. You will then create a new data source under "Machine Data Source".
7. Select the latest version of ODBC Driver on your machine as the driver for the new data source.
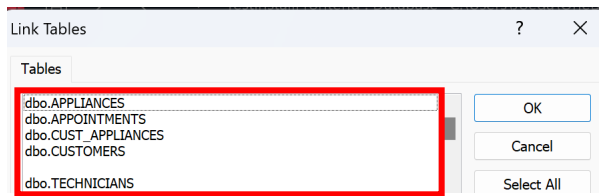

8. In the next window you will create a name for your new data source, and the name of your SQL server, as seen below.

9. In the next window, select the "with SQL server authentication…" and enter the login credentials of your SQL server. Press "Next" after doing so.

10. In the next window, change the default database to the database you created from the "applianceRepairBackend.bak" file.
11. Press "Next" on all the next windows until you come to this window.

12. Select the tables shown above and click "OK".
13. You have now successfully linked the frontend application to the backend server.

Backup:

1. To create a backup of the MS SQL backend, right click on the database, choose "Tasks" then "Back up..."
2. Here you will ensure the correct database is selected under "Source".
3. Under "Destination", you can select another destination for your backup file, or leave it as the default location.
4. Click "OK" to complete the backup process.