



SmartDiagnostics® Application Note

Migrating On-Premise LocalDB to SQL Server

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Overview

The On-Premise version of SmartDiagnostics installs with a lightweight version of SQL Server called LocalDB. While this database may be sufficient for most small to mid-size installations, there are several reasons to migrate to a standard SQL Server instance. These reasons include improved performance, ease of maintenance, and a more familiar interface for database administrators.

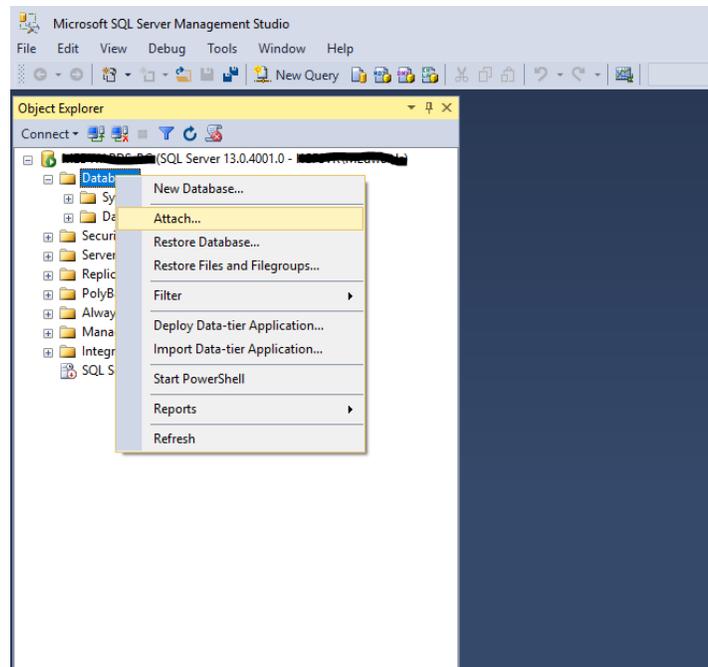


Requirements

- SQL Server 2016
- SQL Server Management Studio

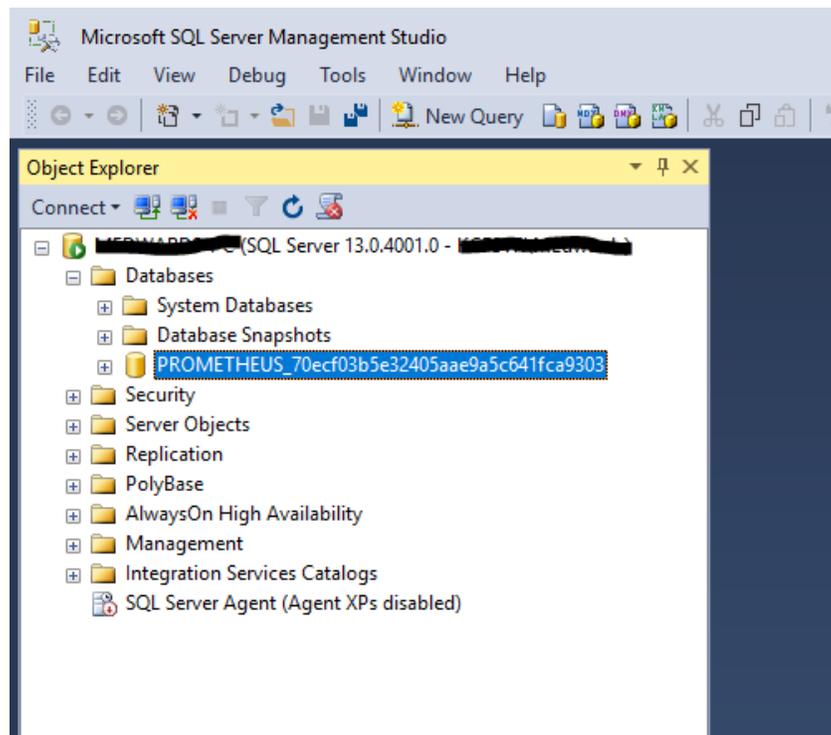
Procedure

1. Open the Windows Services dialog and stop the **SmartDiagnostics** service.
 - a. Hit the **Windows** key or open the Start Menu.
 - b. Search for the **Services** application and open it.
 - c. Find the **SmartDiagnostics** service name in the list.
 - d. Right-click or highlight the service and select **Stop**.
2. Copy both the **Prometheus.mdf** and **Prometheus_log.ldf** files from **C:\ProgramData\kcf technologies\smart diagnostics\data** to the appropriate location on the SQL Server 2016 server.
3. Open **SQL Server Management Studio** and connect to the SQL Server 2016 instance.
4. Right click on the **Databases** node and select **Attach...**





5. In the **Attach Databases** dialog, select **Add...**
6. In the **Locate Database Files** dialog, select navigate to and select the **Prometheus.mdf** file that was copied in step 2 then press **OK**.
7. Press **OK** on the **Attach Databases** dialog. The Prometheus database will now appear within the **Databases** node.



8. You may rename the database to something simpler or more appropriate if desired.
9. Create a database user for the SmartDiagnostics software who belongs to the **db_owner** role of the Prometheus database.



10. On the **SmartDiagnostics** server, edit the **C:\Program Files (x86)\KCF Technologies\SmartDiagnostics\web\custom.config** file.
 - a. Note that this file will likely need to be edited in administrator mode.
 - b. Add the example content below to the file:

`<appSettings>`

```
    <add key="PrometheusDevContext" value="Server=myServerAddress;
    Database=myDataBase; User Id=myUsername; Password=myPassword;
    MultipleActiveResultSets=true;" />
```

`</appSettings>`

- c. Modify or replace the content of **value="..."** with an appropriate connection string for your particular database server. Examples of these connection strings can be found here: <https://www.connectionstrings.com/sql-server/>
 - d. Save the **custom.config** file.
11. Restart the **SmartDiagnostics** service.
 - a. Follow the instructions outlined above (in step 1).
 - b. Right-click or highlight the service and select **Start**.