



## SQL Database Migration

Goliath Performance Monitor v11.7

(v11.7)

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[www.goliathtechnologies.com](http://www.goliathtechnologies.com)

## Legal Notices

SQL Database Migration Guide for Goliath Performance Monitor v11.7

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## Overview

This migration document will cover the process of migrating from your current Goliath Database to a new SQL Server. It will also facilitate migrating from one drive to another. There are 3 areas that will be covered:

1. Preparing the Goliath Server for the database transition
2. Migrating the database to its new location
3. Updating the Goliath Configuration

**Please note, when migrating database from one SQL Server version to another there are some limitations.** SQL Server versions 2008R2 and older cannot directly migrate to SQL Server versions 2014 and newer. If this is what you'll be trying to do you'll need to first migrate the database to SQL Server version 2012, increase the database's compatibility mode to 2012, and then from the 2012 instance migrate to the newer version.

## I. Preparing the Goliath Server

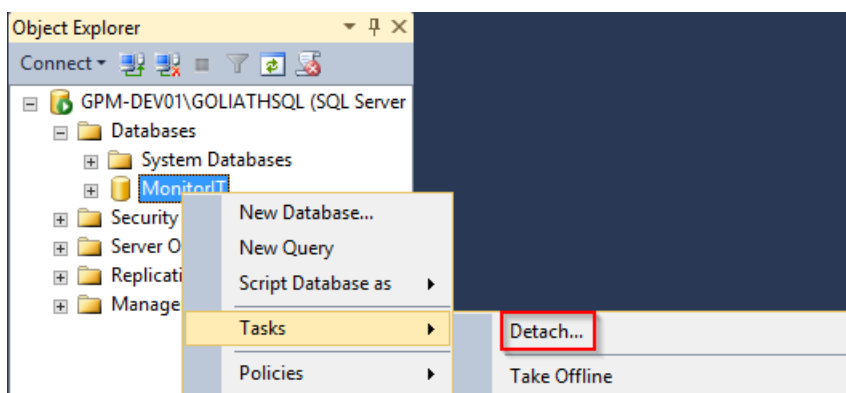
Please follow the instructions below in order to prepare the Goliath server for the database transition.

1. Log into the server where Goliath Performance Monitor is installed
2. Open Windows Services
3. Stop the **'MonitorIT Server Service'**

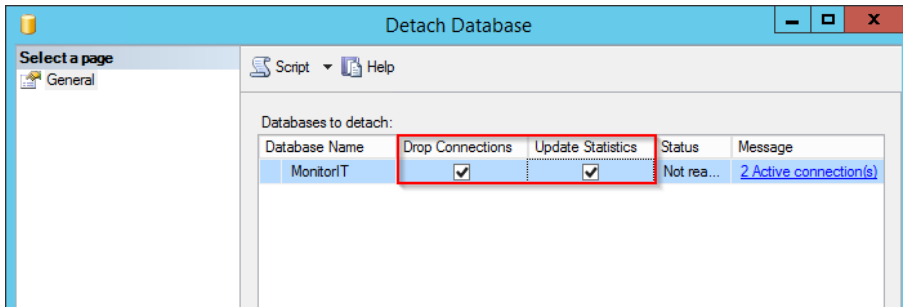
## II. Detach the Database from its original location

Now that the service is stopped we can begin the migration process. Please follow the below steps:

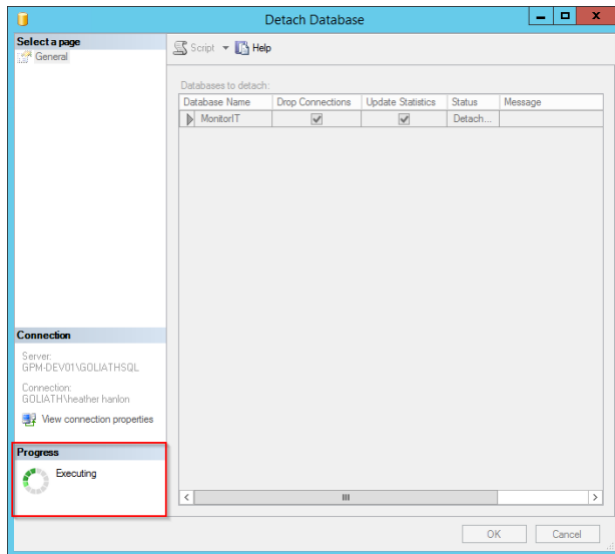
1. Open SQL Server Management Studio and connect to the appropriate SQL Server and Instance that is running the database
2. Right click on the database, and go to **'Properties'**
3. A **'Database Properties'** pane will appear, in the left-hand menu of the pane choose the **'Options'** page
4. On the options page, use the **'Compatibility level'** drop down menu to ensure that the highest level is selected. If it is not, please make the change. When finished click **'OK'** to close the pane.
5. Right click on the database, and go to **'Tasks'** and then click **'Detach'**
  - a. The two common database names are **'MonitorIT'** and **'GoliathDB'**



6. A **'Detach Database'** window will appear, check the boxes for **'Drop Connections'** and **'Update Statistics'**



7. Select **'OK'** to start the detaching process.
- a. Please note, depending on the size of the database this could take 2-20 minutes
  - b. While the database is detaching you can identify the progress at the bottom left hand corner of the database
  - c. If any error messages occur preventing you for detaching the database, repeat #6 above without checking the boxes



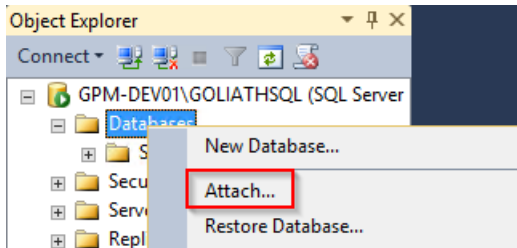
8. When the database is finished detaching, the **'Detach Database'** window will disappear
9. Using Windows File Explorer, navigate to the location of the database.
10. Copy the file and paste it into its new location as appropriate
- a. Depending on the circumstances, this would be to a new drive or a new SQL Server all together

### III. Migrate Database to the new SQL Server

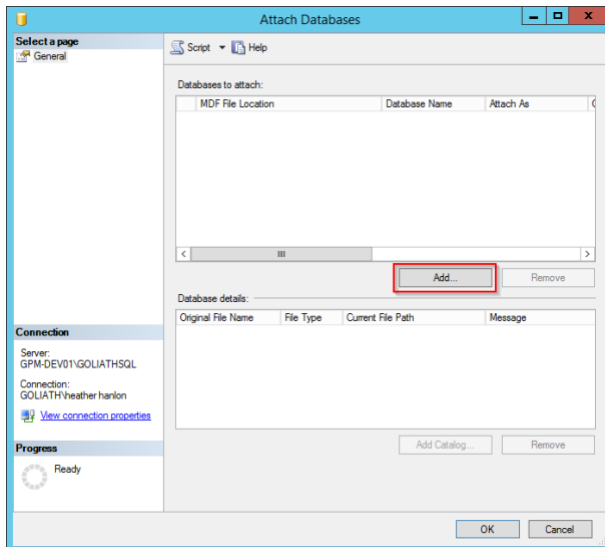
In this section we will cover the steps necessary to attach your Goliath Performance Monitor database to the new SQL Server or location.

#### Attach the new database

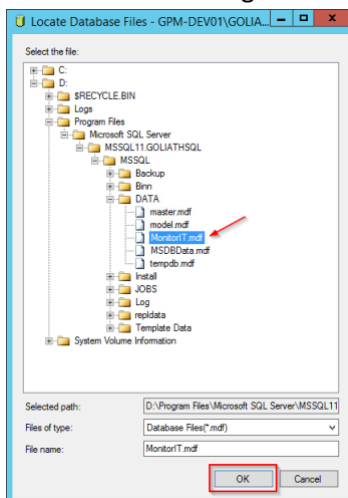
1. Open SQL Server Management Studio and connect to the new database server/location
2. Right click on Databases and choose **'Attach..'**



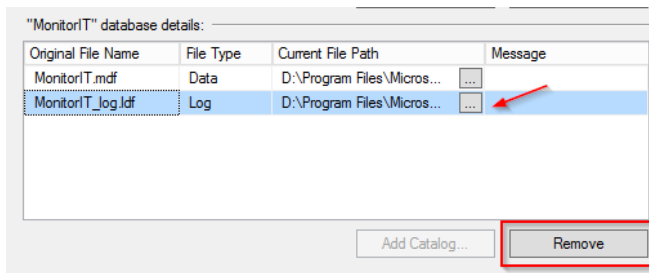
3. The **'Attach Databases'** window will appear, click the **'Add'** button to locate the database file



4. Use the tree to navigate to the database file and once selected click **'OK'**



- This will bring you back to the **'Attach Databases'** window, in the **'Database Details'** section at the bottom of the pane, if there is a log file displayed select the **'Log'** file type and then click **'Remove'**. If there is not one, continue to the next step.



- Then select **'OK'** to complete attaching the database. Once the database is successfully attached the window will disappear

## VI. Connect Goliath Performance Monitor to the SQL Database

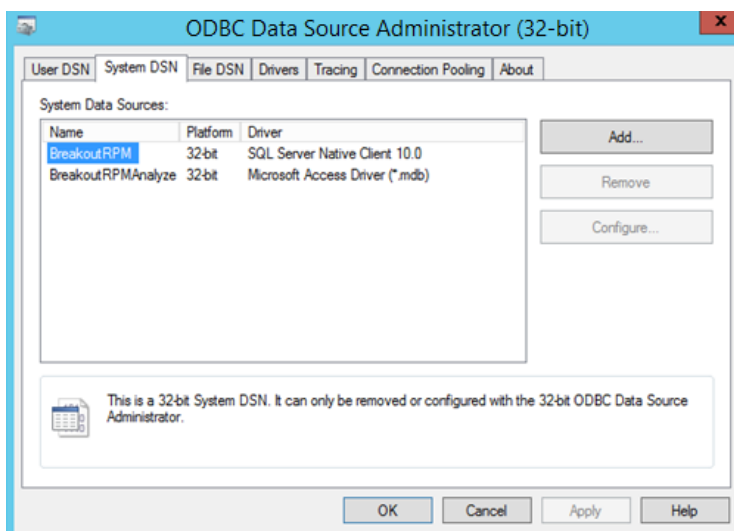
In this section we will cover the steps necessary to complete the migration process by creating the necessary DSNs and appropriately modifying the windows service.

**NOTE:** If Goliath Performance Monitor will be located on a different server than the SQL server, check the security properties for this database. You will need a Windows User with DBO rights to the database. This information will be needed for this section if applicable.

### Create the Database DSNs

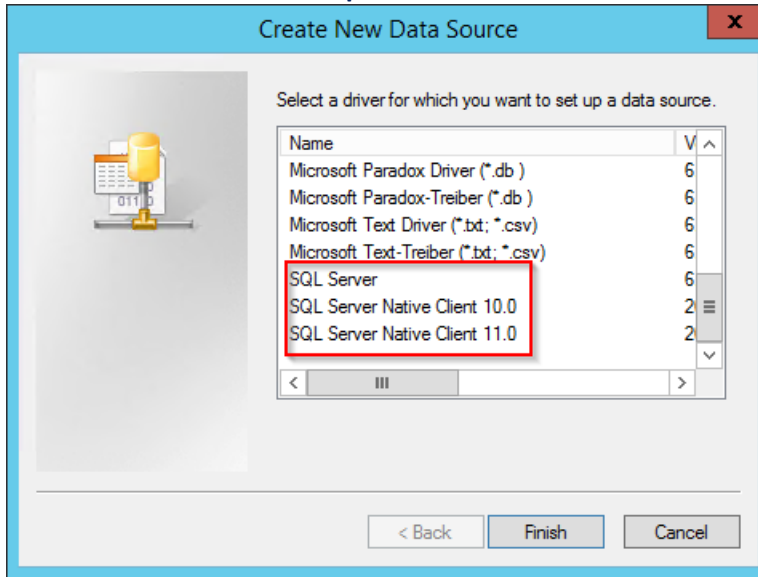
This section will cover the process for creating a connection to the database you have just attached to SQL.

- Log into your Goliath Performance Monitor Server
- Open the Run window and type **'C:\Windows\SysWOW64\odbcad32'**
- Once open, go to the System DSN tab:

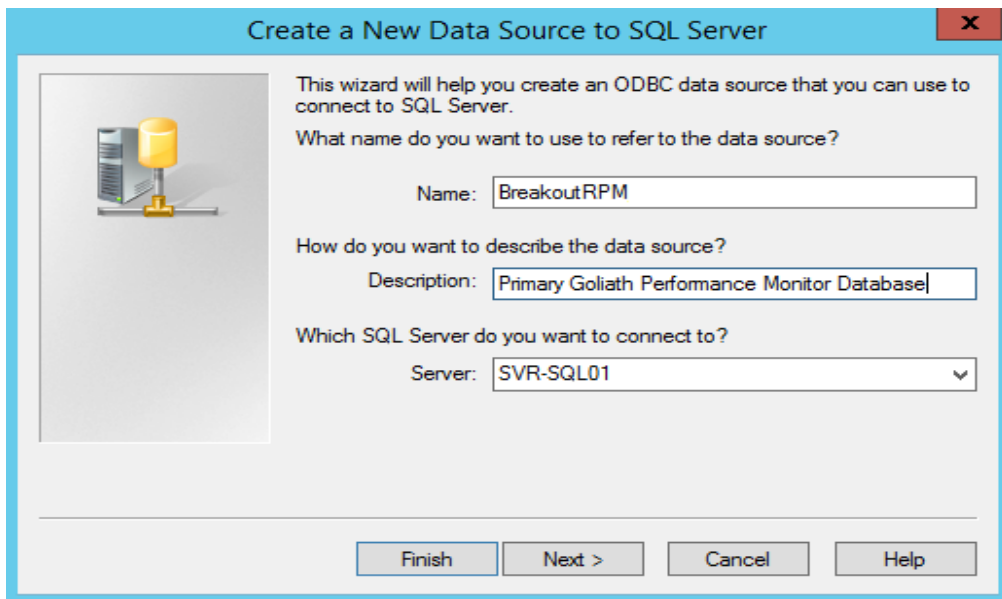


**Note:** If you have an existing DSN for **'BreakoutRPM'** name, select **'configure'** and rename it to **'BreakoutRPM.Old'**

4. Next click **'Add'** and scroll through the list to select the driver type. **We suggest using the SQL Native Client over the SQL Server option if it is available.**



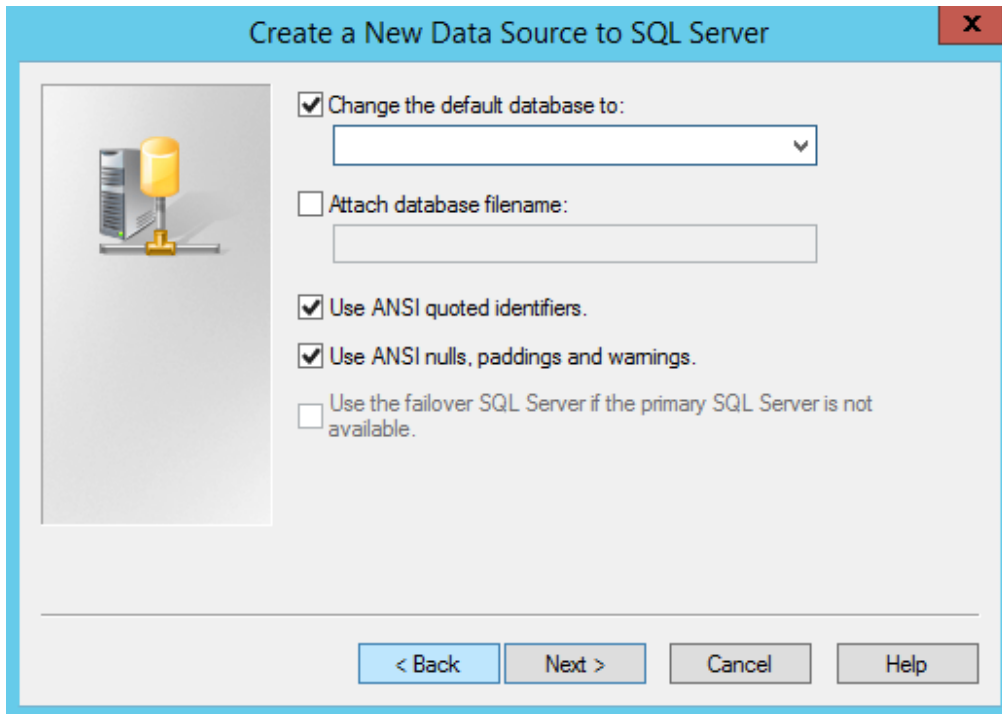
5. Name the connection with the information listed below, when finished click **'Next'**
- Define the Name as **'BreakoutRPM'**
  - Define Description as **'Primary GPM Database'**
  - For **'Server'** use the dropdown menu to pick the appropriate server name and instance name if appropriate. If the dropdown menu is empty, manually type in the name



6. Keep the default settings to use the Integrated Windows authentication to connect to the database and select **'Next'**



7. Check the box next to **'Change the default database to'** and select the appropriate database from the dropdown menu. Click **'Next'**

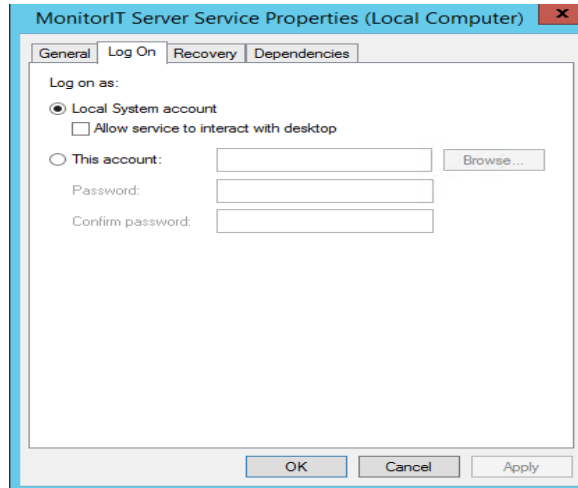


8. Keep the defaults for the additional options and click **'Finish'**
9. Select the **'Test Data Source'** button to validate the connection. Click **'OK'** to close all windows
  - a. If your SQL Server was local, but now it is remote, go on to the next section for additional steps to complete.
  - b. If not the above, go to Windows Services and restart the MonitorIT Server Service and then once it is finished, wait about 3 minutes before opening the product.

## VII. Configure the MonitorIT Server Service for Remote SQL Databases

When connecting to a remote SQL Server, it is necessary to modify the **MonitorIT Server** Windows Service with the appropriate logon rights to access the database.

1. Open Windows Services
2. Find the **'MonitorIT Server Service'** in the list, right mouse click, and choose **'Properties'**
3. Go to the **'Log on'** tab



4. Specify a Windows account that has DBO rights to the MonitorIT database you attached on the SQL Server (we recommend using the **'Browse'** function to ensure the account gets validated).
5. Click **'Apply'** and then **'OK'** to close the window
6. Select **'Start Service'** and then **'Restart the Service'**.
7. Once the service restart is complete, wait about 3 minutes before launching the product.