GE VERNOVA

Asset Performance Management

On-Premises APM

V5.0.7.0.0

Data Sources

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Chapter 1

Overview

Topics:

- Overview of Data Sources
- Access the Data Sources Page
- Create a Data Source

Overview of Data Sources

A data source stores the connection information for a APM database and allows users to access that database. When you log in to APM, you will select the data source that corresponds to the APM database that you want to use.

Data sources are associated with a specific APM Server to indicate which databases are accessible from that server.

Connection information about data sources is stored in `MeridiumDatasources.xml`, which exists on the APM Server in the `C:\ProgramData\Meridium` folder. This file is created automatically when you install or upgrade the APM Server. When it is first created during a new installation, it will be empty. It will be updated automatically as you create, modify, and delete data sources.

Note: Data source passwords are encrypted in the file.

Access the Data Sources Page

Procedure

In the **Applications** menu, navigate to **ADMIN** > **Operations Manager** > **Data Sources**. The **Data Sources** page appears, displaying a list of existing data sources.

Create a Data Source

Procedure

1. Access the **Data Sources** page.
2. Select +.
   An empty Data Source datasheet appears.
3. In the **Data Source ID** box, enter a name for the data source.

   Important:

   - This value is required, and must be unique for the APM server.
   - This value must not contain spaces or special characters and must be alphanumeric.
   - This value cannot be modified after you save the data source.
4. In the **Data Source Description** box, enter a brief description of the data source.

   Note: The description for the data source will be displayed in the list of available data sources in the APM login page.
5. In the **Data Source Host** box, enter *.
6. In the **Database Type** drop-down list box, select one of the following values:

   - Oracle
   - SQL Server

   If you select Oracle, the following boxes are enabled:

   - **Database Alias**

- **Oracle Host**
- **Oracle Port**
- **Oracle Service**

If you select SQL Server, the following boxes are enabled:

- **Database Server**
- **Database Name**

7. Perform the following steps:
   - If you selected Oracle in step 6, then either enter a value in the **Database Alias** box, or enter values in the **Oracle Host**, **Oracle Port**, and **Oracle Service** boxes.

     Note:

     - A database alias, contained within a **tnsnames.ora** file, contains the Oracle host, port, and service information related to the database, and may have been set up by a database administrator to simplify access. To determine whether a database alias has been created, and to determine the appropriate values for the **Database Alias** box or **Oracle Host**, **Oracle Port**, and **Oracle Service** boxes, contact your database administrator.
     - If you selected **Oracle** in step 6, then you do not need to enter values in the **Database Server** and **Database Name** boxes.
   - If you selected **SQL Server** in step 6, then enter values in the **Database Server** and **Database Name** boxes.

     Note: If you selected **SQL Server** in step 6, then you do not need to enter values in the **Database Alias**, **Oracle Host**, **Oracle Port**, and **Oracle Service** boxes.
8. In the **Database User Name** box, enter the user name or schema name for the database that you specified.
9. In the **Password** box, enter the password for the associated database user name.

   The password must meet the criteria specified by the password policy.
10. If you want Microsoft IIS to load and cache this database on the APM server to improve performance, then select the **Preload Cache** check box.
11. If you do not want the data source to appear for other Security Users when they attempt to log in to APM, select the **Datasource Offline** check box.
12. Select .
    The data source details are saved.

Results

- The new data source appears in the left pane and will appear in the APM login page.

  Additionally, after saving the data source, the button will appear next to the button to test the connection.