Set up a data source

OnCommand Workflow Automation 5.1

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Set up a data source

You must set up a connection with a data source in OnCommand Workflow Automation (WFA) to acquire data from the data source.

What you'll need

- For Active IQ Unified Manager versions earlier than 6.0, you must have run the latest version of the ocsetup tool on the Unified Manager server to enable and configure remote read-only access to the database.
- For Active IQ Unified Manager6.0 and later, you must have created a database user account on the Unified Manager server.

  See the *OnCommand Unified Manager Online Help* for details.
- The TCP port for incoming connections on the Unified Manager server must be open.

  See the documentation on your firewall for details.

  The following are the default TCP port numbers:

TCP port number	Unified Manager server version	Description
2638	5.x	Sybase SQL Anywhere database server
3306	6.x	MySQL database server

- For Performance Advisor, you must have created an Active IQ Unified Manager user account with a minimum role of GlobalRead.

  See the *OnCommand Unified Manager Online Help* for details.
- The TCP port for incoming connections on the VMware vCenter Server must be open.

  The default TCP port number is 443. See the documentation on your firewall for details.

About this task

You can add multiple Unified Manager server data sources to WFA using this procedure. However, you must not use this procedure if you want to pair Unified Manager server 6.3 and later with WFA and use the protection functionality in Unified Manager server.

For more information about pairing WFA with Unified Manager server 6.x, see the *OnCommand Unified Manager Online Help*.

While setting up a data source with WFA, you must be aware that Active IQ Unified Manager 6.0, 6.1, and 6.2 data source types are deprecated in the WFA 4.0 release, and these data source types will not be supported in future releases.

Steps

1. Access WFA using a web browser.
2. Click **Settings**, and under **Setup** click **Data Sources**.
3. Choose the appropriate action:

To…	Do this…
Create a new data source	Click on the toolbar.
Edit a restored data source if you have upgraded WFA	Select the existing data source entry, and click on the toolbar.

   If you have added a Unified Manager server data source to WFA and then upgraded the version of the Unified Manager server, WFA will not recognize the upgraded version of the Unified Manager server. You must delete the previous version of the Unified Manager server and then add the upgraded version of the Unified Manager server to WFA.

4. In the **New Data Source** dialog box, select the required data source type, and enter a name for the data source and the host name.

   Based on the selected data source type, the port, user name, password, and timeout fields might be automatically populated with the default data, if available. You can edit these entries as required.

5. Choose an appropriate action:

For…	Do this…
Active IQ Unified Manager versions earlier than 6.0	Enter the user name and password that you used for overriding the default credentials while running ocsetup tool.
Active IQ Unified Manager 6.3 and later	Enter the credentials of the Database User account that you created on the Unified Manager server. See *OnCommand Unified Manager Online Help* for details on creating a database user account.
Performance Advisor for (Active IQ Unified Manager versions earlier than 6.0)	Enter the credentials of an Active IQ Unified Manager user with a minimum role of GlobalRead. You must not provide the credentials of an Active IQ Unified Manager Database User account that was created using the command-line interface or the ocsetup tool.

6. Click **Save**.
7. **Optional:** In the Data Sources table, select the data source, and click on the toolbar.
8. Verify the status of the data acquisition process.

Configure a database user by running ocsetup on Windows

You can run the `ocsetup` file on the DataFabric Manager 5.x server to configure read-only access of the DataFabric Manager 5.x database to OnCommand Workflow Automation.

1. Download the `wfa_ocsetup.exe` file to a directory in the DataFabric Manager 5.x server from the following location:

   https://WFA_Server_IP/download/wfa_ocsetup.exe.

   WFA_Server_IP is the IP address (IPv4 or IPv6 address) of your WFA server.

   If you have specified a non-default port for WFA, you must include the port number as follows:

   https://wfa_server_ip:port/download/wfa_ocsetup.exe.

   port is the TCP port number that you have used for the WFA server during installation.

   If you are specifying an IPv6 address, you must enclose it with square brackets.

2. Double-click the `wfa_ocsetup.exe` file.
3. Read the information in the setup wizard and click **Next**.
4. Browse or type the OpenJDK location and click **Next**.
5. Enter a user name and password to override the default credentials.

   A new database user account is created with access to the DataFabric Manager 5.x database.

   If you do not create a user account, the default credentials are used. You must create a user account for security purposes.

6. Click **Next** and review the results.
7. Click **Next**, and then click **Finish** to complete the wizard.

Configure a database user by running ocsetup on Linux

You can run the `ocsetup` file on the DataFabric Manager 5.x server to configure read-only access of the DataFabric Manager 5.x database to OnCommand Workflow Automation.

Steps

1. Download the `wfa_ocsetup.sh` file to your home directory on the DataFabric Manager 5.x server using the following command in the terminal:

   ```
   wget https://WFA_Server_IP/download/wfa_ocsetup.sh
   ```

   WFA_Server_IP is the IP address (IPv4 or IPv6 address) of your WFA server.

   If you have specified a non-default port for WFA, you must include the port number as follows:

```
wget https://wfa_server_ip:port/download/wfa_ocsetup.sh
```

port is the TCP port number that you have used for the WFA server during installation.

If you are specifying an IPv6 address, you must enclose it with square brackets.

2. Use the following command in the terminal to change the `wfa_ocsetup.sh` file to an executable:

```
`chmod +x wfa_ocsetup.sh`
```

3. Run the script by entering the following in the terminal:

```
./wfa_ocsetup.sh OpenJDK_path
```

OpenJDK_path is the path to OpenJDK.

Example

```
/opt/NTAPdfm/java
```

The following output is displayed in the terminal, indicating a successful setup:

```
Verifying archive integrity... All good.
Uncompressing WFA OnCommand Setup.....
*** Welcome to OnCommand Setup Utility for Linux ***
    <Help information>
*** Please override the default credentials below ***
Override DB Username [wfa] :
```

4. Enter a user name and password to override the default credentials.

A new database user account is created with access to the DataFabric Manager 5.x database.

> If you do not create a user account, the default credentials are used. You must create a user account for security purposes.

The following output is displayed in the terminal, indicating a successful setup:

```
***** Start of response from the database *****
>>> Connecting to database
<<< Connected
*** Dropped existing 'wfa' user
=== Created user 'username'
>>> Granting access
<<< Granted access
***** End of response from the database *****
***** End of Setup *****
```

Configure a database user on Active IQ Unified Manager

You must create a database user on Active IQ Unified Manager to configure read-only access of the Active IQ Unified Manager database to OnCommand Workflow Automation.

Steps

1. Log in to Active IQ Unified Manager with administrator credentials.
2. Click **Settings** > **Users**.
3. Click **Add a New User**.
4. Select **Database User** as the type of user.

   The same user should be used in OnCommand Workflow Automation while adding Active IQ Unified Manager as a data source in OnCommand Workflow Automation.

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