Setting up your data sources in Insight

OnCommand Insight

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Data sources are the most critical component when trying to maintain a Insight environment. Data sources discover network information that is used for analysis and validation. You need to configure your data sources within Insight so that they can be monitored within your network.

For each data source, the specific requirements to define that data source depend on the vendor and model of the corresponding devices. Before adding the data sources, you need network addresses, account information, and passwords for all devices and possibly these additional details:

- Switches
- Device management stations
- Storage systems that have IP connectivity
- Storage management stations
- Host servers running management software for storage devices that do not have IP connectivity

For more information about your data source definitions, see the "Vendor-specific data source reference" information in this section.

Data source support information

As part of your configuration planning, you should ensure that the devices in your environment can be monitored by Insight. To do so, you can check the Data source support matrix for details about operating systems, specific devices, and protocols. Some data sources might not be available on all operating systems.

Location of the most up-to-date version of the Data Source Support Matrix

The OnCommand Insight Data Source Support Matrix is updated with each service pack release. The most current version of the document can be found at the NetApp Support Site. .

Adding data sources

You can add data sources quickly, using the Add data source dialog box.

Steps

1. Open OnCommand Insight in your browser and log in as a user with administrative permissions.
2. Select **Admin** and choose **Data sources**.
3. Click the **+Add** button.

   The Add data source wizard opens.

4. In the **Settings** section, enter the following information:

Field	Description

Name	Enter a unique network name for this data source. NOTE: only letters, numbers and the underscore (_) character are allowed in the data source name.
Vendor	Choose the vendor of the data source from the drop-down.
Model	Choose the model of the data source from the drop-down.
Where to run	Choose Local, or you may choose a remote acquisition unit if RAU's are configured in your environment.
What to collect	For most data sources, these options will be Inventory and Performance. Inventory is always selected by default and cannot be un-selected. Note that some data sources may have different options. The collection options you select change the available fields in the Configuration and Advanced configuration sections.

5. Click the **Configuration** link and enter the basic setup information required for the data source with your selected data collection type.
6. If this type of data source usually requires more detailed information to set it up in your network, click the **Advanced configuration** link to enter additional information.
7. For details about configuration or advanced configuration information required or available for your specific data source, see the Vendor-specific data source reference.
8. Click the **Test** link to be certain that the data source is properly configured.
9. Click **Save**.

Importing data sources from a spreadsheet

You can import multiple data sources into OnCommand Insight from a spreadsheet. This might be helpful if you already maintain your discovery devices in a spreadsheet. This process adds new data sources, but cannot be used to update existing data sources.

About this task

OnCommand Insight includes a spreadsheet to help you create data sources. This spreadsheet has the following attributes:

- The spreadsheet can be used with Microsoft Excel 2003 or later.
- Each tab holds one data source type, for example, Brocade SSH/CLI.
- Each row represents an instance of a new data source to be created.

The spreadsheet includes a macro that creates a new data source in OnCommand Insight.

Steps

1. Locate the spreadsheet in the <install_directory>/SANscreen/acq/bin/acqcli/SiteSurvey_DataSourceImporter_w_Macro.zip.
2. In the spreadsheet, enter data source information in the cells with color.
3. Delete empty rows.
4. From the spreadsheet, run the `CreateDataSources` macro to create the data sources.
5. When prompted for credentials, enter the OnCommand Insight Server administration user name and password.

   The results are logged in the acquisition log.

6. A prompt asks if the machine currently running the macro has OnCommand Insight installed.

   Select one of the following:

   - No: Select "No" if a batch file will be created that must be run on the OnCommand Insight machine. Run this batch file from the install directory.
   - Yes: Select "Yes" if OnCommand Insight is already installed and no additional steps are required to generate the data source information.
7. To verify the addition of the data sources, open Insight in your browser.
8. On the Insight toolbar, click **Admin**.
9. Check the Data sources list for the data sources you imported.

Adding a new data source by patch

New data sources are released as patch files that can be loaded onto the system using the patch process. This process enables new data sources to be available between scheduled releases of OnCommand Insight.

Before you begin

You must have uploaded the patch file that you want to install.

Steps

1. On the Insight toolbar, click **Admin**.
2. Select **Patches**.
3. Select **Actions** > **Install service pack or patch**.
4. In the **Install Service Pack or Patch** dialog box, click **Browse** to locate and select the patch file that you uploaded.
5. Click **Next** in the **Patch Summary** dialog box.
6. Review the **Read Me** information, and click **Next** to continue.
7. In the **Install** dialog box, click **Finish**.

Cloning a data source

Using the clone facility, you can quickly add a data source that has the same credentials and attributes as another data source. Cloning allows you to easily configure multiple instances of the same device type.

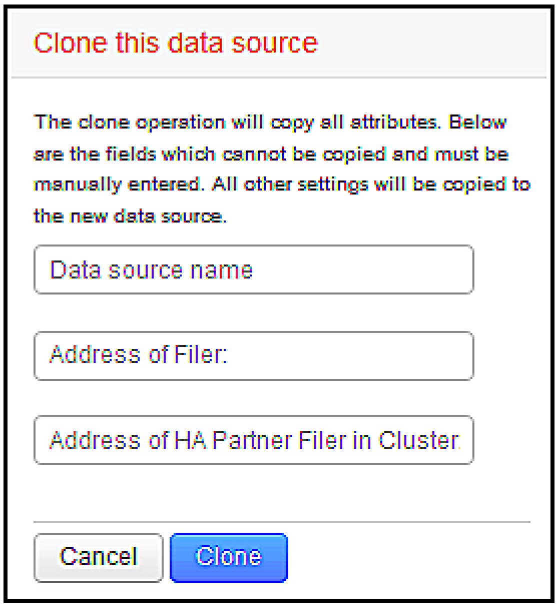
Steps

1. On the Insight toolbar, click **Admin**.

   The Data sources list opens.

2. Highlight the data source that has the setup information you want to use for your new data source.
3. To the right of the highlighted data source, click the **Clone** icon.

   The Clone this data source dialog box lists the information you must supply for the selected data source, as shown in this example for a NetApp data source:

4. Enter the required information in the fields; those details cannot be copied from the existing data source.
5. Click **Clone**.

Results

The clone operation copies all other attributes and settings to create the new data source.

Testing the data source configuration

When you are adding a data source, you can verify the correctness of configuration to communicate with the device before saving or updating that data source.

When you click the **Test** button in the data source wizard, communication with the specified device is checked. The test produces one of these results:

* PASSED: the data source is configured correctly.
* WARNING: the testing was incomplete, probably due to timing out during processing or acquisition not running.
* FAILED: the data source, as configured, cannot communicate with the specified device. Check your configuration settings and re-test.