HP Universal CMDB

for the Windows and Solaris operating systems

Software Version: 8.03

HP Universal CMDB–Server Automation Reporter (SAR) Integration Guide

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HP Server Automation Reporter (SAR) Integration with HP Universal CMDB

This document includes the main concepts, tasks, and reference information for the integration of HP Server Automation Reporter (SAR) with HP Universal CMDB (UCMDB) by federation.

This document includes:

Concepts

➤ Overview on page 1

Tasks

➤ Install the SAR Adapter on page 2

Overview

The SAR adapter is a federation utility for retrieving data from the SAR database for the purpose of integration between the SAR database and the UCMDB server.

The SAR to UCMDB integration can be used to provide current compliancy status for a host. Compliancy can be used as decision supporting information for host problem isolation and investigation. Furthermore, the integration can be used to provide planned tasks to be run on hosts. This information can be leveraged in the Release Control application in change management flows.

The integration:

- enables exchange of CIs between UCMDB and SAR
- enables retrieval of planned tasks for SAR to UCMDB integration
- enables retrieval of compliancy KPI for hosts
- establishes a framework to simplify customization

The following SAR database views are available:

- **HOSTS.** A single view to the SAR hosts, nas_devices, and sas_servers tables, the view returns the host name, and item ID from the other views.
- **CI_COMPLIANCY**. Collects CI compliancy from the database, and returns the item ID, host name, compliancy, and compliancy status.
- **PLANNED_TASKS.** Collects task data from the SAR database, and combines values from the nas_tasks and sas_jobs tables.

  These views organize the data for easy manipulation by the server adapter CIs.

Install the SAR Adapter

This task describes how to install the SAR adapter and includes the following steps:

- "Prerequisites" on page 3
- "Create Views in the Database" on page 3
- "Update the Adapter Code Base" on page 3
- "Deploy the OpswareAdapter.zip Package" on page 5
- "Create a Data Store" on page 6
- "Build a View of the SAR KPI" on page 6

1 Prerequisites

The following VM installation prerequisites are required for SAR integration:

- SAR database must be installed on a database server
- 4 GB memory.
- 50 GB hard drive space.

2 Create Views in the Database

a Create the following views in the SAR database:

- CI_COMPLIANCY
- HOSTS
- PLANNED_TASKS

b Run the following scripts on the database server:

- Opsware.view.CI_COMPLIANCY.create.sql
- Opsware.view.HOSTS.create.sql
- Opsware.view.PLANNED_TASKS.create.sql

3 Update the Adapter Code Base

- **For UCMDB version 8.x:**

  Update the **OpswareAdapter.zip** file as follows:

  - Replace all jars in the **adapterCode\OpswareAdapter** subfolder in the **OpswareAdapter.zip** file with their updated versions from **<HP Universal CMDB root directory>\j2f\fcmdb\CodeBase\GenericDBAdapter**.
  - Replace all files in the **adapterCode\OpswareAdapter\META-CONF OpswareAdapter** subfolder in the **OpswareAdapter.zip** file with their updated versions from **<HP Universal CMDB root directory>\j2f\fcmdb\CodeBase\GenericDBAdapter\META-CONF**.

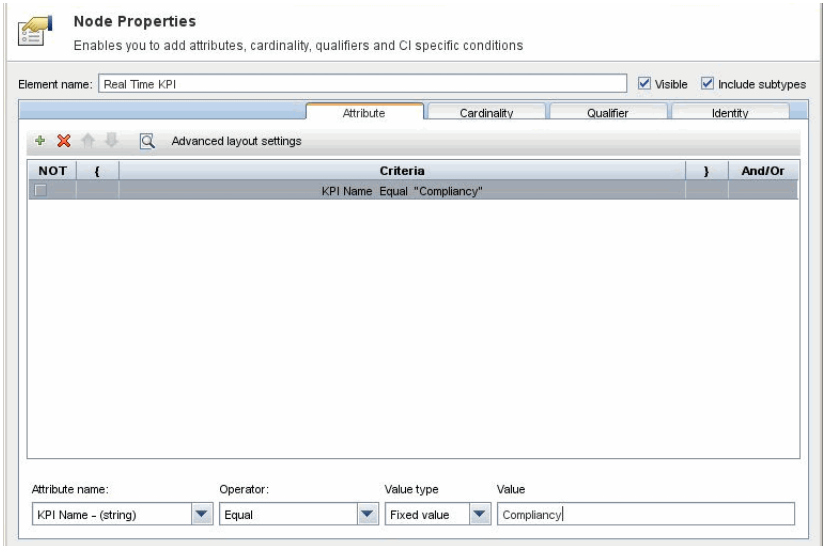
- **For UCMDB version 7.5x:**
  - Extract the **adapterCode\OpswareAdapter** subfolder from the OpswareAdapter.zip file CodeBase to the following directory: **<HP Universal CMDB root directory>\UCMDBServer\j2f\fcmdb\CodeBase**.
  - Replace all jars in **<HP Universal CMDB root directory>\j2f\fcmdb\CodeBase\OpswareAdapter with their updated versions from <HP Universal CMDB root directory>\j2f\fcmdb\CodeBase\GenericDBAdapter**.
  - Replace all files in **<HP Universal CMDB root directory>\j2f\fcmdb\CodeBase\OpswareAdapter\META-CONF** with their updated versions from **<HP Universal CMDB root directory>\j2f\fcmdb\CodeBase\GenericDBAdapter\META-CONF**.
  - Delete the **adapterCode** folder from **OpswareAdapter.zip** file.

4 Deploy the OpswareAdapter.zip Package

For details, see "Package Manager" in *Model Management*.

This package performs the following functions:

- Enables the SAR adapter, so that it can be used as a data store.
- Creates a **Planned Task** CIT.



- Adds the following valid relationship: **Host** > **Contained** > **Planned Task**.

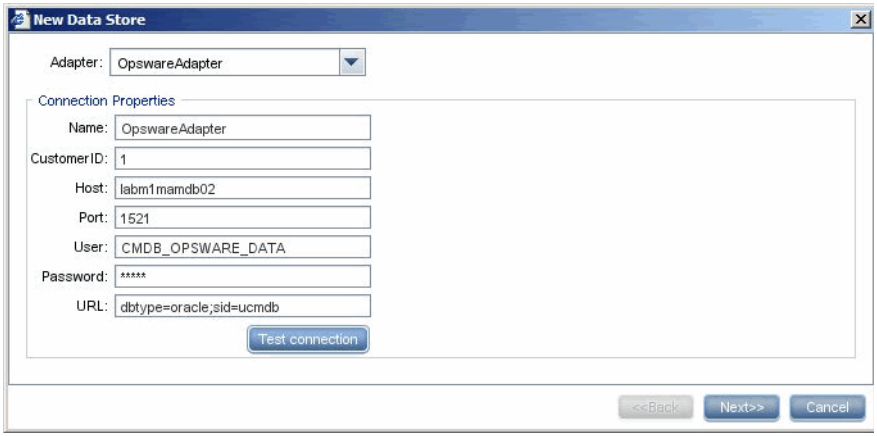
To view this CIT in the CI Type Manager, either wait a few minutes for the UI to be updated, or log out and log in again.

5 Create a Data Store

a Access **Admin** > **Settings** > **Federated CMDB**.

b Click **Add** to open the Data Store dialog box. For details, see "New Data Store Wizard" in *Model Management*.

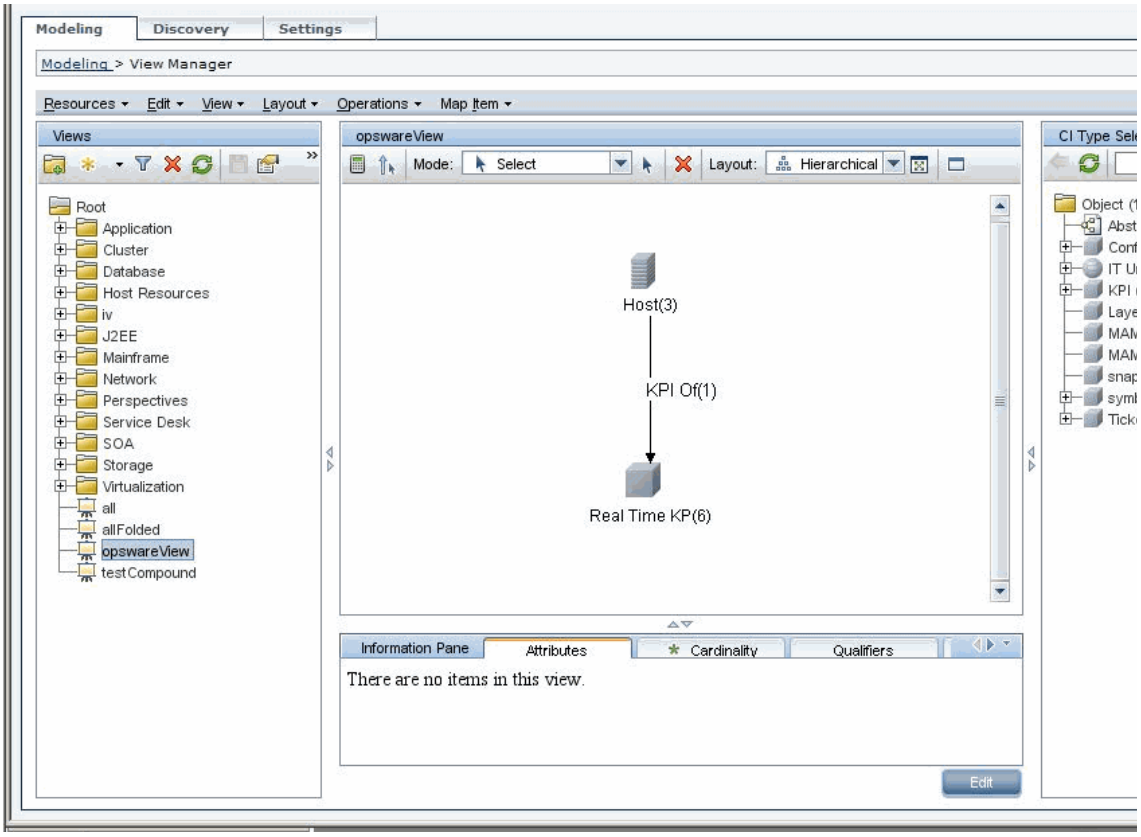
c Enter the data store settings using the following as an example:



6 Build a View of the SAR KPI

d Verify that the roots of the CIT tree are **object** and **link** (**Admin** > **Settings** > **Infrastructure Settings Manager**).

e Log off and log on again.

f Create a view of the SAR KPI. For details, see “New View/View Properties/Save As View Wizard” in *Model Management*.

The following example is a typical view showing a SAR KPI: