

SolutionPack for EMC® Data Domain

Release number 1.0.0.0

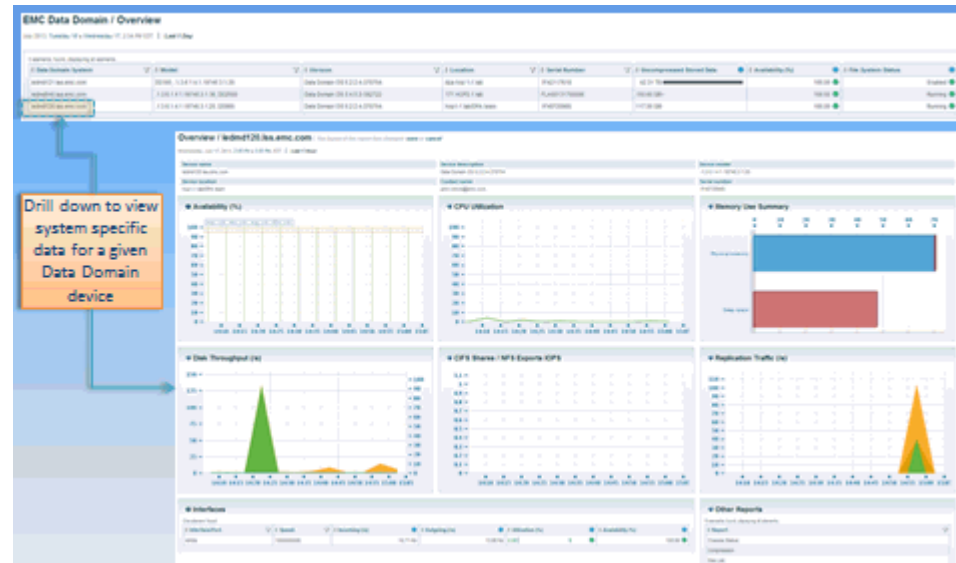
Summary Sheet

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Overview

This article explains how to install and configure the SolutionPack for EMC Data Domain. The SolutionPack generates real-time and historical reports and accesses file system, compression, replication, and chassis inventory status details to gain insight into the management of a EMC Data Domain system.



Technical specification

SolutionPack version

1.0

Compatible ViPR SRM version

3.5

Data collection methods

- ◆ SNMP

Main reports

- ◆ Overview
- ◆ File Systems
- ◆ Compression
- ◆ Replication

Supported versions

Table 1 Supported versions of Data Domain

Supported model	Collector	Prerequisites	Port
EMC Data Domain (SNMP enabled)	Generic-SNMP	If you are updating from an older version, ensure that the SolutionPack block Generic-SNMP is updated to version 1.2 or newer.	SNMP

Preparing EMC Data Domain for discovery and data collection

Identify the information required to support resource discovery and data collection before installing the SolutionPack for EMC Data Domain.

The ViPR SRM Collector host communicates with EMC Data Domain using SNMP. You must enable a supported version of SNMP on any Data Domain systems that you want ViPR SRM to poll. For details on the supported versions of SNMP used with Data Domain, refer to the *EMC ViPR SRM Support Matrix*.

Procedure

1. On the Data Domain system, use the following command to view the SNMP configuration:

```
# snmp show config
```
2. Use the following command to add the ViPR SRM SNMP Collector host: `# snmp add ro-community public hosts collector_host`.

Installing the SolutionPack

Before you begin

- ◆ Data Domain must be configured to allow the EMC M&R collector host to communicate to it via SNMP.
 - Use the following command on the Data Domain system to view the SNMP configuration: `# snmp show config`
 - Use the following command to add the EMC M&R host: `# snmp add ro-community <public> hosts <emc m&r.collector.com>` where `<public>` is the read-only community string
- ◆ ViPR SRM core modules must be up-to-date in all servers because not all module dependencies are validated during the SolutionPack installation or update process.

Procedure

1. Log in and select **Administration**.
2. Select **Centralized Management** in the Administration tree.
3. Select **SolutionPacks** in the tree.
4. Select **SolutionPack Center**.
5. Select the SolutionPack for EMC Data Domain in the **Browse and Install SolutionPacks** screen.
6. Click **Install**.

The steps below assume a typical four VM deployment.

7. In the **Reports** field of the **Select the components to install** window, select the Frontend host.
8. In the **SNMP Masks** field, select the Frontend host.
9. Click **Next**.
10. In **Administration Web-Service Instance** of the **Reports** window, select the Frontend host.
11. Click **Install**.

The SolutionPack installation begins.

12. Click **Ok** once installation is complete.

Performance data will displayed in about an hour.

Discover the SNMP Collector

Procedure

1. Log in to EMC M&R.

Use `http://<localhost>:58080/device-discovery/`.

2. Go to **Collector > New Collector**.

This option collects configuration data from the SNMP Collector.

3. Click **Save**.

4. The Collector is listed with orange color in the **STATE** column.

5. Click **Check reachability of the x selected collector(s)** to verify that the collector is reachable, and if it is, click **Send configurations to the x selected collector(s)**.

The Collector is listed with green color in **STATE**.

6. Select **Devices** and click **New Device**.

7. Fill in the details for the new device on all tabs.

8. Click **Save**.

If the **STATE** column is green for the device, no error occurred. If an error occurred, mouseover the **STATE** column for the device to display the error.

9. If **STATE** is green, click **Execute Action**. This will discover the device with the capabilities that are selected.

10. Go to the **Dashboard** and send the configurations.

11. Go to the device and check that the Collector is listed.

After you finish

Check event logs to verify the device discovery details.

Eventually, device details appear in the APG main UI.

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