

SolutionPack for Microsoft Hyper-V

Release number 1.0.0.0

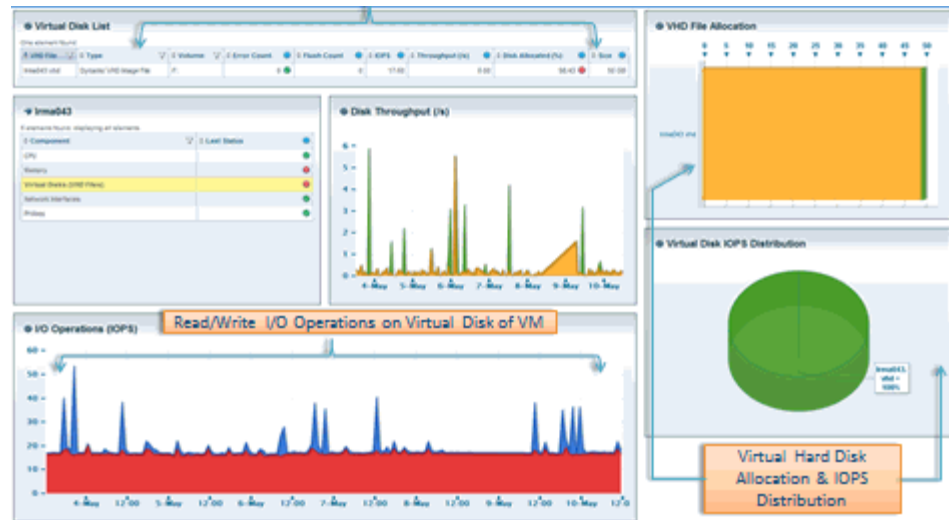
Summary Sheet

June, 2014

- ◆ [Overview](#).....2
- ◆ [Technical specifications](#).....2
- ◆ [Configuring credentials for SolutionPack for Microsoft Hyper-V](#).....3
- ◆ [Installing the SolutionPack](#).....3

Overview

This article explains how to install and configure SolutionPack for Microsoft Hyper-V. The SolutionPack for Microsoft Hyper-V generates real-time and historical reports so you understand Hyper-V performance through global and detailed status of Hyper-V hosts and underlying virtual machines.



Technical specifications

SolutionPack version

- ◆ 2.1

Compatible ViPR SRM version

- ◆ 3.5

Main reports

- ◆ Inventory - Displays the inventory of devices, parts and metrics from Hypervisors and Virtual Machines
- ◆ Virtual Disk Use Analysis - Tool to analyze the utilization profile of Virtual Hard Disk images
- ◆ All Hosts | All Virtual Machines - Displays all available performance graphs for Hypervisors and Virtual Machines
- ◆ Global Status - Shows the global status of all hosts and running virtual machines in the environment, detailed by component type
- ◆ SLA Detailed View - Shows the current and forecasted SLA values for Hypervisors and Virtual Machines
- ◆ Virtual Machines Running On Snapshot Disks - Shows all virtual machines running on snapshot disks. They impact disk performance and impact storage performance when it is time to commit changes on the original virtual disk.

Supported models

Note

This SolutionPack can only be installed on a Windows collector host

Table 1 Supported models of Microsoft Hyper-V

Supported model	Collector	Prerequisites	Port
- Hyper-V on Windows Server 2008 R2 Service Pack 1 or newer - Hyper-V Server 2008 Hyper-V Server 2008 or newer	XML-Collector	Requires PowerShell	

Configuring credentials for SolutionPack for Microsoft Hyper-V

- Hyper-V Collector Manager must have the right to query WMI objects from Hyper-V hosts
- PowerShell must allow the execution of unassigned PowerShell scripts

Installing the SolutionPack

Before you begin

- EMC 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

- Log in and select **Administration**.
- Select **Centralized Management** in the Administration tree.
- Select **SolutionPacks** in the tree.
- Select **SolutionPack Center**.
- Select the SolutionPack for Microsoft Hyper-V in the **Browse and Install SolutionPacks** screen.
- Click **Install**.
The steps below assume a typical four VM deployment.
- In the **Data Collection** field of the **Select the components to install** window, select the Collector host.
- In the **Reports** field, select the Frontend host.
- Click **Next**.
- In the **Data collection** window, select a value for **Data Collection**.

If you select **Add a new data collection**, type information about the data collection.

- Failover-Filter** must be enabled, which is the default.
- In the **Hostname or IP address to send data** field, type the Primary Backend host.

11. Leave **Enable alerting on data collected** checked.

12. Select a value for **Alerting on data collection**.

If you select **Add a new Alerting on data collection**, type information about the alerting configuration.

- In **Alerting Backend the hostname or IP address**, select the Primary Backend host.

13. Type the host information and access credentials to communicate with the Hyper-V.

14. Click the plus (+) sign to add more Hyper-V hosts.

15. Click **Next**.

16. In the **Reports** window, in the **Administration Web-Service Instance** field, select the Frontend host.

17. Click **Install**.

The SolutionPack installation begins.

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

Performance data will be displayed in about an hour.

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