EMC Storage Monitoring and Reporting

Version 4.0.2

Upgrading to version 4.0.2

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REV 01

EMC²

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EMC Corporation
Hopkinton, Massachusetts 01748-9103
1-508-435-1000 In North America 1-866-464-7381
www.EMC.com

CONTENTS

Chapter 1 Upgrading the System 5
Required tools 6
Required credentials 6
Verifying and documenting the current status of the environment 6
Backing up the environment 6
Upgrading the system 7

Chapter 2 Post-Upgrade Tasks 9
Validating the environment 10

CHAPTER 1

Upgrading the System

This chapter includes the following topics:

- Required tools 6
- Required credentials 6
- Verifying and documenting the current status of the environment 6
- Backing up the environment 6
- Upgrading the system 7

Required tools

Ensure that you have the necessary tools.

- WinSCP or equivalent
- Putty/SSH
- Remote Desktop

Required credentials

Gather the necessary credentials.

- root/administrator credentials for the Storage Monitoring and Reporting server
- ESX/vCenter server credentials (if appropriate)

Verifying and documenting the current status of the environment

Verify and document the current status of the environment before starting the upgrade process. This will help you evaluate the success of the upgrade.

Procedure

1. Look for blank reports and graphs. Determine if there are any blank reports caused by collection errors. Resolve any issues or document them for later follow up.
2. Look for broken links and resolve any issues or document them for later follow up.
3. Validate that the topology view is working. Resolve any issues.

After you finish

Engage EMC Support to resolve any observed issues prior to proceeding with the upgrade.

Backing up the environment

Ensure the proper backup of the Storage Monitoring and Reporting server.

Before starting the upgrade, use Discovery Center to export all of your SolutionPack devices.

If it is allowed in your environment, perform a complete shutdown of Storage Monitoring and Reporting and take an offline VMware snapshot of the VM before starting the upgrade. This snapshot will allow you to quickly recover if you encounter any problems during the upgrade. After the upgrade is complete without any errors, you can delete this snapshot.

If a VMware snapshot of the VM is not allowed, you should completely power cycle the vApps and/or VMs before starting the upgrade.

Note

Notify all users not to log in during the upgrade.

Upgrading the system

If you have enabled Online Update for your system, the automatic update process has already downloaded and distributed the modules to each server, and you can skip steps 1 through 5. For information about enabling and configuring Online Update, refer to the "Online Update overview" section of the *EMC ViPR SRM Administrator's Guide*.

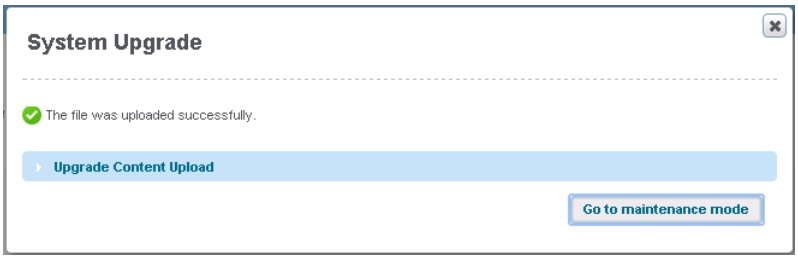
Procedure

1. Navigate to the Support by Product page for Storage Monitoring and Reporting(https://support.emc.com/downloads/40532_EMC-Storage-Monitoring-and-Reporting).
2. Click **Downloads**.
3. Download the core update file for each of your deployed architectures. The vApp file also contains the appliance update file for vApp deployments.

Option	Description
Linux (vApp)	`Storage_Monitoring_and_Reporting_4.0.2_vApp_Update_UI.zip`
Linux (binary only)	`Storage_Monitoring_and_Reporting_4.0.2_Linux_64-bit_Update_File.zip`
Windows	`Storage_Monitoring_and_Reporting_4.0.2_Windows_64-bit_Update_File.zip`

4. From Centralized Management, click **Configuration** > **System Upgrade.**
5. Click the **Browse** button (or buttons for mixed environments) and provide the upgrade files for your platforms.
6. Click **Upload Content**.
7. The system displays a message about ensuring that there is minimum of 5 GB disk space on the servers. Click **OK**.

   The system upgrade files are uploaded to Centralized Management and non-disruptively distributed to all of the servers in the deployment. This process may take several minutes.
8. When you are ready to proceed with the upgrade, click **Go to maintenance mode**.



Maintenance mode begins, the front end becomes unavailable, and after a short wait you are redirected to the Platform Upgrade page. Any users who try to

access the front end will receive a message that it is in maintenance mode and has been temporarily disabled.

9. When the system has completed the validation checks, copy the URL from the message in the highlighted text, and then click **Launch upgrade**.

   The system validates the status of the servers, prepares for the upgrade, and begins upgrading the modules.

   When the upgrade is complete, the system displays a green check mark next to each node and a success message at the top of the window.

10. Click **Exit**.

    The system restarts the front end and redirects you to the SolutionPack UI.

CHAPTER 2

Post-Upgrade Tasks

This chapter includes the following topics:

- Validating the environment 10

Validating the environment

After upgrading your system, verify the operational status.

Procedure

1. Look for blank reports and graphs.

   Determine whether blank reports are caused by collection errors. Resolve issues or document them for later follow up.

2. Look for broken links. Resolve issues or document them for later follow up.
3. Verify that all tasks are completing successfully (with the possible exception of automatic updates and ESRS).
4. Validate that topology is working. Resolve any issues.
5. Verify polling periods.

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