

NetApp System Manager 2.0

Quick Start Guide

Beta draft

NetApp, Inc.
495 East Java Drive
Sunnyvale, CA 94089 USA
Telephone: +1 (408) 822-6000
Fax: +1 (408) 822-4501
Support telephone: +1 (888) 4-NETAPP
Documentation comments: doccomments@netapp.com
Information Web: <http://www.netapp.com>
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Understanding System Manager

System Manager enables you to manage storage systems including storage elements such as disks, volumes, and aggregates. System Manager provides a Web-based graphical management interface to manage common storage system functions from a Web browser.

You can use System Manager to manage single systems and HA configurations running the following versions of Data ONTAP:

- Data ONTAP 7G (starting from 7.2.3)
- Data ONTAP 8.x 7-Mode

Note: In the Data ONTAP 8.x 7-Mode product name, the term *7-Mode* signifies that the 8.x release has the same features and functionality found in the prior Data ONTAP 7.1, 7.2, and 7.3 release families.

You can also manage V-Series systems.

System Manager enables you to perform many common tasks such as:

- Configure and manage storage elements such as disks, aggregates, volumes, qtrees, and quotas.
- Configure protocols such as CIFS and NFS and provision file sharing.
- Configure protocols such as FC and iSCSI for block access.
- Create vFiler units and manage them.
- Set up SnapMirror relationships and manage SnapMirror tasks.
- Manage HA configurations and perform takeover and giveback.
- Monitor and manage your storage systems.

Data ONTAP 7-Mode conceptual information

System Manager Help provides basic Data ONTAP 7-Mode conceptual information that is relevant to the tasks that you can perform using System Manager. For more in-depth conceptual information that you might require for configuration, monitoring, and management of storage objects and storage systems, you can see the Data ONTAP documentation available on the NetApp Support Site.

You can access the following related Data ONTAP 7-Mode documentation from the NetApp Support Site.

Storage Management Guide

This document describes how to configure, operate, and manage the storage resources for storage systems running Data ONTAP 7-Mode. It covers disks, RAID groups, plexes, and aggregates, and how file systems, or volumes, and qtrees are used to organize and manage data.

System Administration Guide

This document describes how to configure, operate, and manage storage systems that run Data ONTAP software.

High Availability Configuration Guide

This document describes installation and management for high availability configurations.

Multistore Management Guide

This document describes how to administer vFiler units (virtual storage systems) with the MultiStore software available by license with Data ONTAP 7-Mode.

Network Management Guide

This document describes how to configure and manage networks associated with NetApp systems running Data ONTAP 7-Mode.

Storage Efficiency Management Guide

This document describes the features and functionalities that help to significantly improve storage utilization.

Block Access Management Guide for iSCSI and FC

This document describes how to configure and manage the iSCSI and FC protocols for SAN environments.

File Access and Protocols Management Guide

This document describes how to manage file access on storage systems with Data ONTAP 7-Mode for NFS, CIFS, HTTP, FTP, and WebDAV protocols.

Data Protection Online Backup and Recovery Guide

This document describes how to back up and recover data using Data ONTAP 7-Mode online backup and recovery features.

Archive and Compliance Guide

This document describes how to archive and protect data for compliance purposes.

Related information

Data ONTAP Information Library page - http://now.netapp.com/NOW/knowledge/docs/ontap/ontap_index.shtml

Installing System Manager

You can download and install System Manager on a desktop or laptop that is running a 32-bit Windows or a Linux operating system. Depending on your platform, you can use either the Windows or the Linux installer.

On Windows, you can install System Manager by using the standard wizard-based installer. On Linux, you can use Red Hat Package Manager.

System requirements for System Manager

You must ensure that you have the required host system configuration, operating systems, and browsers to run the System Manager software.

Your host system must meet the following minimum requirements:

- Pentium x86 processor
- 1-GB RAM
- 40-GB HDD
- Wireless or Ethernet connection to the network
- A 32-bit Windows or a Linux operating system
- Java Runtime Environment (JRE) 1.6 or later
- Adobe Flash Player 8.0 or later

Your Windows system must be running one of the following:

- Windows XP Pro SP2 and later
- Windows Vista Enterprise SP1
- Windows 7
- Windows Server 2003 SP2
- Windows Server 2008

Your Linux system must be running one of the following:

- Red Hat Enterprise Linux 5
- SUSE Linux Enterprise Server 11

Your Linux system must have a graphical desktop environment like Gnome or KDE installed.

Your Web browser must be one of the following:

- Internet Explorer 7.0 and 8.0 (for Windows)
- Mozilla Firefox 3.0, 3.5, and 3.6 (for both Windows and Linux)

You must use a minimum display setting of 1280 by 1024 pixels.

Your storage systems must be running any of the following versions of Data ONTAP:

- Data ONTAP 7G (starting from 7.2.3)
- Data ONTAP 8.x 7-Mode

Installing System Manager software on Windows

You can install System Manager on your Windows system by using the wizard-based installer. You can install the System Manager application on a desktop or laptop.

Before you begin

- Your Windows host system and the storage systems must be running the supported software versions.
- The System Manager software must be downloaded from the NetApp Support Site.

- If your host system is running Windows Vista or Windows Server 2008, you must have real administrator privileges.
If you do not have the necessary privileges, you have to launch the installer executable by right-clicking the file name in Windows Explorer and selecting "Run as Administrator".

Steps

1. Run the System Manager executable (.exe) file from the directory where you downloaded and saved the software.
2. Follow the on-screen prompts to complete your installation.

After you finish

You can launch System Manager and start managing your storage systems and objects.

Related tasks

[Launching System Manager](#) on page 13

Related references

[System requirements for System Manager](#) on page 7

Installing System Manager software on Linux

You can install System Manager on your Linux system by using the Red Hat Package Manager (RPM). You can install the System Manager application on a desktop or laptop.

Before you begin

- Your Linux host system and storage systems must be running the supported software versions.
- The System Manager software must be downloaded from the NetApp Support Site.

Step

1. Perform the appropriate action to install System Manager:

If you want to install from the...	Then...
Desktop	Double-click the RPM package file.

If you want to install from the...	Then...
CLI	Enter the command: <code>rpm -i downloaded_rpm_file_name</code>

If required, you can check the progress of the installation by using the command:

`rpm -ivv downloaded_rpm_file_name`

After you finish

You can launch System Manager and start managing your storage systems and objects.

Related tasks

[Launching System Manager](#) on page 13

Related references

[System requirements for System Manager](#) on page 7

Upgrading to System Manager 2.0 on Windows

You can upgrade to System Manager 2.0 from the earlier versions of System Manager to configure and manage your storage systems. After the upgrade, you can continue to manage the storage systems that you were managing with the earlier versions of System Manager.

Before you begin

- Your Windows host system and the storage systems must be running the supported software versions
- The System Manager software must be downloaded from the NetApp Support Site.
- Any earlier version of System Manager that is running on your system must be closed.

About this task

If you are upgrading to System Manager 2.0, you do not have to uninstall earlier versions of System Manager.

Steps

1. Download the System Manager software from the NetApp Support Site.
2. Run the System Manager executable (.exe) file and follow the on-screen instructions.

After the upgrade, the IP addresses of all storage systems managed by the earlier version of System Manager are migrated.

After you finish

You can launch System Manager and start managing your storage systems.

Because the storage system credentials are not migrated, you must provide them before you use System Manager to manage your storage systems.

Related tasks

[Launching System Manager](#) on page 13

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[System requirements for System Manager](#) on page 7

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Launching System Manager

After installing System Manager, you have to launch the software to configure and manage your storage systems from a Web browser.

Before you begin

- If you are running a Windows Server operating system and Internet Explorer, the URL <http://127.0.0.1> must be added as a trusted site in Internet Explorer.
- If a proxy server is being used, it must be disabled.

Step

1. Double-click the desktop icon of System Manager to launch System Manager.

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Uninstalling System Manager 2.0 in Windows

You can uninstall System Manager 2.0 by using the Windows Add or Remove Programs utility.

Before you begin

If the System Manager 2.0 software is running, it must be closed.

Steps

1. Click **Start > Control Panel**.
2. Open the utility to add or remove programs and uninstall System Manager 2.0.

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Uninstalling System Manager 2.0 in Linux

You can uninstall System Manager 2.0 from the Control Panel in Windows or by using Red Hat Package Manager (RPM) in Linux.

Before you begin

If the System Manager 2.0 software is running, it must be closed.

Step

1. Perform the appropriate action to uninstall System Manager:

If you want to uninstall System Manager through the...		Then...
Desktop	a.	Click Applications .
	b.	Open the utility to add or remove programs and uninstall System Manager 2.0.
CLI	Enter the command: rpm -e <i>system_manager_package_name</i>	

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Getting started with System Manager

The System Manager GUI enables you to configure your storage systems and manage storage objects such as disks, aggregates, volumes, quotas, qtrees, and LUNs; protocols such as CIFS, NFS, iSCSI, and FCP; vFiler units; HA configurations; V-Series systems; SnapMirror relationships.

For more information on how to configure and manage your storage systems from System Manager, see the System Manager Help. You can access the Help in PDF format from the NetApp Support Site or from the Help provided with the System Manager software.

Before you can start managing a storage system from System Manager, you have to add it to System Manager.

Adding storage systems

If you know the host name or IP address of a storage system, you can add a storage system by using the Add dialog box. You can add storage systems that are in a HA configuration.

Before you begin

Your storage systems must be running a supported version of Data ONTAP.

About this task

If you are adding one of the storage systems from a high-availability pair, the partner node is automatically added to the list of managed systems. If a high-availability partner node is down, you can add the working storage node.

Steps

1. From the **Home** tab, click **Add** to add a storage system.
2. Type the fully qualified DNS host name, or the IPv4 or IPv6 address of the storage system and click **Add**.

Result

The storage system or the high-availability pair that you added is included in the list of managed systems.

Discovering storage systems

You can use the Discover Storage Systems dialog box to discover storage systems or a high-availability pair of storage systems on a network subnet and add them to the list of managed systems.

Before you begin

Your storage systems must be running a supported version of Data ONTAP.

About this task

If you are adding one of the storage controllers from a high-availability pair, the partner system is automatically added to the list of managed systems.

Steps

1. From the **Home** tab, click **Discover**.
2. In the **Discover Storage Systems** dialog box, type the subnet IP address and click **Discover**.
3. Select one or more storage systems from the list of discovered systems and click **Add Selected Systems**.
4. Verify that the storage system or the HA pair that you added is included in the list of managed systems.

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You can also contact us in the following ways:

- NetApp, Inc., 495 East Java Drive, Sunnyvale, CA 94089
- Telephone: +1 (408) 822-6000
- Fax: +1 (408) 822-4501
- Support Telephone: +1 (888) 4-NETAPP

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