

NetApp® System Manager 1.0

Quick Start Guide

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Preface

About this guide This guide describes how to install, configure, and use NetApp System Manager.

Audience This guide includes information for system administrators who possess a working knowledge of NetApp storage systems. It also assumes that you are familiar with the following topics:

- ◆ Knowledge of how Hypertext Transport Protocol over Secure Sockets Layer (HTTPS) is used for file sharing or transfers
- ◆ Knowledge of how block storage protocols, such as FC and iSCSI, work with SAN storage

Terminology To understand the concepts in this document, you might need to know the terms defined here.

General storage system terminology:

- ◆ *Storage systems* that run Data ONTAP are sometimes referred to as *filers*, *appliances*, *storage appliances*, or *systems*.
- ◆ *Controller* or *storage controller* refers to the component of a storage system that runs the Data ONTAP operating system and controls its disk subsystem. Controllers or storage controllers are also sometimes called *storage appliances*, *appliances*, *storage engines*, *heads*, *CPU modules*, or *controller modules*.

Active/active configuration terminology:

- ◆ An *active/active configuration* is a pair of storage systems configured to serve data for each other if one of the two systems becomes impaired. In Data ONTAP documentation and other information resources, active/active configurations are sometimes also referred to as *clusters* or *active/active pairs*.
- ◆ When in an active/active configuration, systems are often called *nodes*. One node is sometimes called the *local node*, and the other node is called the *partner node* or *remote node*.

Formatting conventions

Typographic conventions: The following table describes typographic conventions used in this document.

Formatting convention	Type of information
<i>Italic font</i>	Words or characters that require special attention. Book titles in cross-references.
Monospaced font	Command names, option names, keywords, and daemon names. Information displayed on the system console or other computer monitors. The contents of files.
Bold monospaced font	Words or characters you type. What you type is always shown in lowercase letters, unless your program is case-sensitive and uppercase letters are necessary for it to work properly.

Special messages

This document might contain the following types of messages to alert you to conditions you need to be aware of. Danger notices and caution notices only appear in hardware documentation, where applicable.

Note

A note contains important information that helps you install or operate the system efficiently.

To install the NetApp System Manager software from a CD, follow these steps:

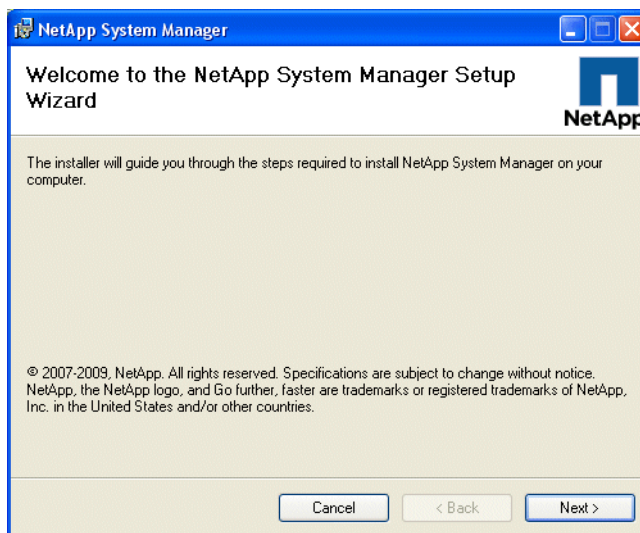
1. Insert the CD into the CD-ROM drive of your Windows host.

NetApp System Manager



2. Click **Install NetApp System Manager**.
3. Type or select information as requested by the NetApp System Manager Setup wizard.

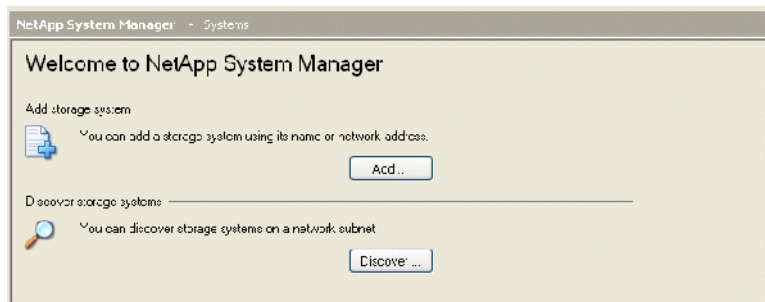
Installing NetApp System Manager



4. After the installation is complete, click the NetApp System Manager icon on the desktop to launch the application.

When you first launch the NetApp System Manager application, you see the Welcome to NetApp System Manager page. If you know its host name or IP address, you can add a storage system or an active/active pair to your configuration using the Add Storage System dialog box. You can use the Discover Storage Systems dialog box to discover storage systems or an active/active pair on a network subnet.

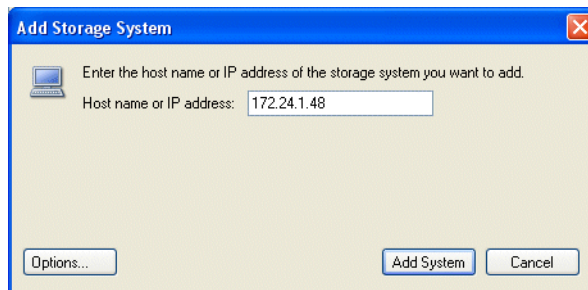
Welcome to NetApp System Manager



Adding storage systems: To add a known storage system or an active/active pair, follow these steps:

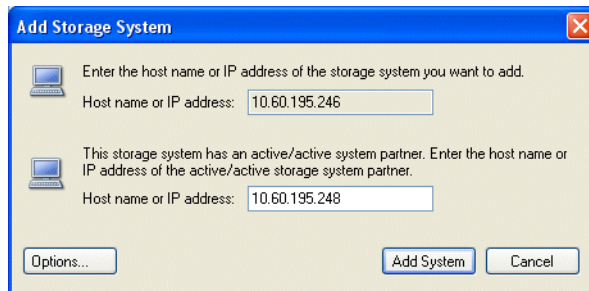
1. Click **Add** to open the Add Storage System dialog box.

Adding a storage system



2. If you are adding a single storage system, type its host name or IP address.
3. If you are adding an active/active pair, type a host name or IP address for each system, if prompted.

Adding a system partner

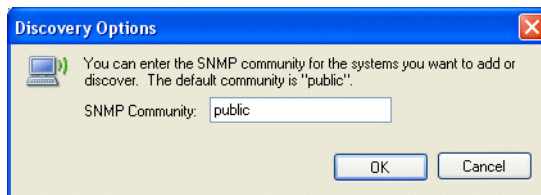


Note

If NetApp System Manager cannot connect to both systems, System Manager does not add either system to the list of managed systems.

4. Click the **Options** button to specify an SNMP community.

Specifying an SNMP community

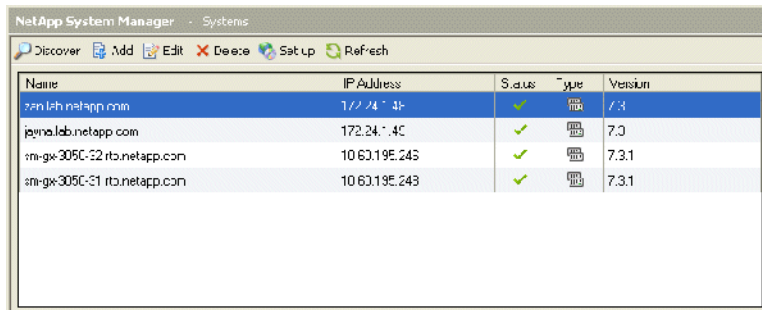


Note

You can specify the SNMP community used to discover your storage systems if you are using a non-public SNMP community.

5. Click **Add System**.
6. Verify that the storage system or active/active pair that you added is included in the list of managed systems.

Managed systems list



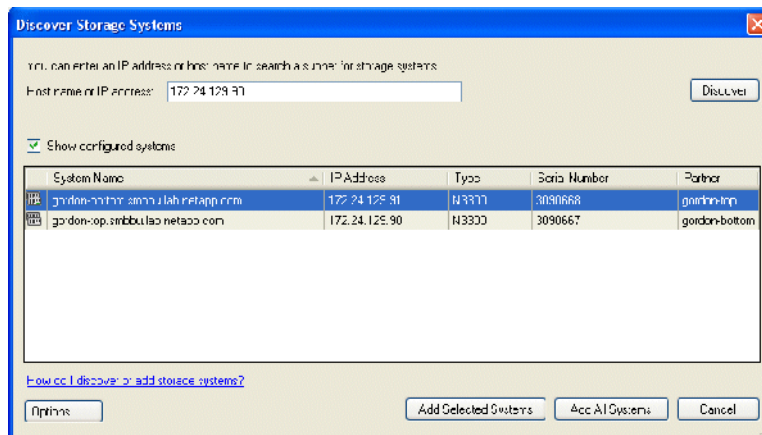
The screenshot shows the 'NetApp System Manager - Systems' window. It has a toolbar with icons for Discover, Add, Edit, Delete, Set up, and Refresh. Below the toolbar is a table with the following data:

Name	IP Address	Status	Type	Version
zen-lab.netapp.com	172.24.1.40	✓	File	7.3
java-lab.netapp.com	172.24.1.40	✓	File	7.3
sm-gw-305C-52.rto.netapp.com	10.63.195.245	✓	File	7.3.1
sm-gw-305C-51.rto.netapp.com	10.63.195.243	✓	File	7.3.1

Discovering storage systems: To discover storage systems or an active/active pair on a network subnet, follow these steps:

1. Click **Discover** to open the Discover Storage Systems dialog box.

Discovering a storage system



The screenshot shows the 'Discover Storage Systems' dialog box. It has a text field for 'Host name or IP address' with the value '172.24.128.91'. There is a 'Discover' button. Below the text field is a checkbox labeled 'Show configured systems' which is checked. Below the checkbox is a table with the following data:

System Name	IP Address	Type	Serial Number	Partner
gordon-top.rto.smbulab.netapp.com	172.24.128.91	N3317	3090668	gordon-top
gordon-op.smbulab.netapp.com	172.24.128.90	N3330	3090667	gordon-bottom

At the bottom of the dialog box, there is a link 'How do I discover or add storage systems?', a 'Print' button, and three buttons: 'Add Selected Systems', 'Add All Systems', and 'Cancel'.

2. In the Host name or IP address field, type a storage system name or IP address and click **Discover**.

Note

You can type the IP address in any of the following formats: A.B.C.D, A.B.C, A.B.C.*, or A.B.C.D/24.

Note

If there are similar entries from previous searches, you can select one from the list instead of typing out the whole name or IP address.

3. If you want to view only storage systems that are not configured, make sure that the Show configured systems check box is not selected.
4. Click the **Options** button to specify an SNMP community.

Note

You can specify the SNMP community used to discover your storage systems if you are using a non-public SNMP community.

5. If you are adding a single storage system, select one from the list of discovered systems and click **Add Selected Systems**.
6. If you are adding an active/active pair, select a storage system and click **Add Selected Systems**.

Note

The partner system is automatically added to the list of managed systems.

7. Verify that the storage system or active/active pair that you added is included in the list of managed systems.

After you discover or add to the list of managed systems a new storage system or an active/active pair that has not been set up, you must first set up the system and then configure it for storage. A “New system (requires setup)” message is displayed on the main systems page if the system has not been set up. The system name is displayed if the system has been set up. You can use the Storage System Setup wizard to set up the system or active/active pair.

When you set up an active/active pair, all saved information applies to both storage systems.

Have the following information available for the storage system that you want to set up:

- ◆ Host name or IP address
- ◆ Administrator's password
- ◆ Network address, gateway, and subnet

Additionally, you need to know the partner IP address in an active/active configuration.

After you set up a storage system using the Storage System Setup wizard, the main systems page is displayed if you set up a system from that page. If you set up a system from the System Setup Dashboard window, the system dashboard is displayed.

To set up a storage system or an active/active pair using the Storage System Setup wizard, follow these steps:

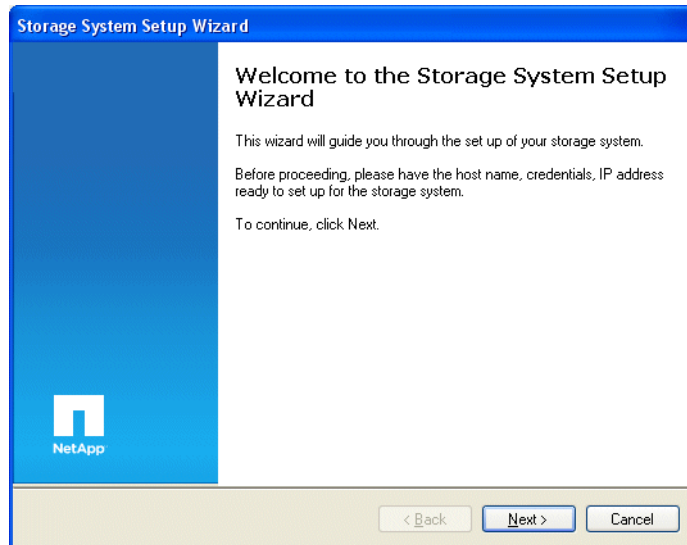
1. If you are not already in the main application window, from the console tree, click **NetApp System Manager**.
2. Select the storage system that you want to set up.
3. Click **Set up** to start the Storage System Setup wizard.

Note

If you have not set up the storage system, you can click the discovered IP address of the system and click the link for the Storage System Setup wizard.

4. Type or select information as requested by the wizard.

Setting up a storage system



5. Click **Finish** to save the specified information.

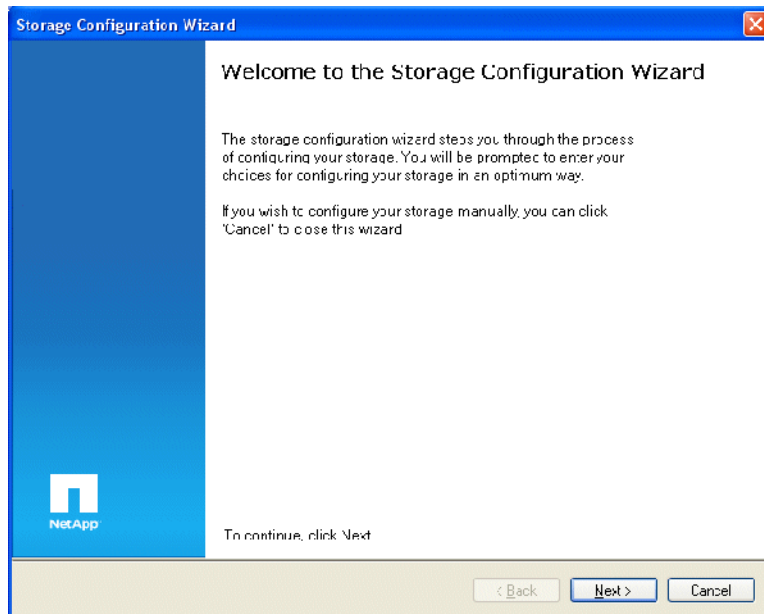
After you discover or add to the list of managed systems a storage system or an active/active pair that has not been configured, you must perform some initial configuration on the system to start provisioning storage space. You can use the Storage Configuration wizard to configure the system or the active/active pair.

You must separately configure each storage system when you configure an active/active pair.

To configure one or more storage systems using the Storage Configuration wizard, follow these steps:

1. From the console tree, click the appropriate storage system to display a subtree of management features.
2. Click **Storage**.
3. Click **Storage Configuration wizard**.
4. Type or select information as requested by the wizard.

Configuring a storage system



5. Click **Finish** to close the wizard.

You can install the NetApp System Manager application on the following host systems:

- ◆ Windows XP 32-bit, SP2 and later (also supported in a VMware guest OS)
- ◆ Windows Vista Enterprise 32-bit and 64-bit
- ◆ Windows Server 2003 SP1
- ◆ Windows Server 2008 Enterprise 64-bit

If an `InstallUtilLib.dll: Unknown error` message is displayed during the installation of NetApp System Manager, it is recommended that you uninstall and reinstall the Microsoft .NET Framework.

