Server Administrator Version 8.2 Installation Guide — Citrix XenServer

Notes, cautions, and warnings

NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

Copyright

Contents

1

Introduction

This topic provides information on:

- Installing Server Administrator on managed systems.
- Installing and using the Remote Enablement feature.
- Managing remote systems using Server Administrator Web Server.
- Configuring the system before and during a deployment or upgrade.

NOTE: If you are installing management station and managed system software on the same system, install identical software versions to avoid system conflicts.

What Is New In This Release

The release highlights of Server Administrator are:

- Support for the following servers:
    - PowerEdge R330
    - PowerEdge R230
    - PowerEdge T330
    - PowerEdge T130

NOTE: For the list of supported operating systems and servers, see the *OpenManage Software Support Matrix* in the required version of **OpenManage Software** at **dell.com/openmanagemanuals**.

Software Availability

The Server Administrator software can be installed from:

- Systems Management Tools and Documentation DVD
- Support site — For more information, see **dell.com/support/home**.

Systems Management Software

Systems management software is a suite of applications that enables you to manage the systems with proactive monitoring, notification, and remote access.

Systems management software comprises of two DVDs:

- *Systems Management Tools and Documentation*
- *Server Update Utility*

NOTE: For more information on these DVDs, see *Systems Management Tools And Documentation <Version Number> Installation Guide*.

Security Features

Systems management software components provide these security features:

- User ID and password configuration through the web-based interface or the command line interface (CLI), in most cases.
- SSL encryption (**Auto Negotiate** and **128-bit or higher**).

NOTE: Telnet does not support SSL encryption.

- Session time-out configuration (in minutes) through the web-based interface.
- Port configuration to allow systems management software to connect to a remote device through firewalls.

NOTE: For information about ports that the various systems management components use, see the User Guide for that component.

For information about the Security Management, see the *Server Administrator User's Guide* at **dell.com/openmanagemanuals**.

Other Documents You Might Need

In addition to this guide, for more information, access the following guides.

- The *Lifecycle Controller 2 Version 1.00.00 User's Guide* provides information on using the Lifecycle Controller.
- The *Management Console User's Guide* provides information about installing, configuring, and using Management Console.
- The *Systems Build and Update Utility User's Guide* provides information on using the Systems Build and Update Utility.
- The *Systems Software Support Matrix* provides information about the various systems, the operating systems supported by these systems, and the systems management components that can be installed on these systems.
- The *Server Administrator User's Guide* describes the installation and use of Server Administrator.
- The *Server Administrator SNMP Reference Guide* documents the SNMP management information base (MIB).
- The *Server Administrator CIM Reference Guide* documents the Common Information Model (CIM) provider, which is an extension of the standard management object format (MOF) file. This guide explains the supported classes of management objects.
- The *Server Administrator Messages Reference Guide* lists the messages that are displayed on the Server Administrator home page Alert log, or on the operating system's event viewer. This guide explains the text, severity, and cause of each alert message that the Server Administrator displays.
- The *Server Administrator Command Line Interface Guide* documents the complete command line interface for Server Administrator, including an explanation of CLI commands to view system status, access logs, create reports, configure various component parameters, and set critical thresholds.
- The *Remote Access Controller 5 User's Guide* provides complete information about installing and configuring a DRAC 5 controller and using DRAC 5 to remotely access an inoperable system.
- The *Integrated Remote Access Controller User's Guide* provides complete information about configuring and using an integrated Remote Access Controller to remotely manage and monitor the system and its shared resources through a network.

- The *Update Packages User's Guide* provides information about obtaining and using the Update Packages for Windows and Linux as part of the system update strategy.
- The *Server Update Utility User's Guide* provides information on using the Server Update Utility.
- The *Systems Management Tools and Documentation* DVD contains readme files for applications found on the media.

> **NOTE:** If the product does not perform as expected or you do not understand a procedure described in this guide, see **Getting Help** in the system's Hardware Owner's Manual.

<div align="right">2</div>

Installing Systems Management Software On Citrix XenServer

The Server Administrator is installed on Citrix XenServer using the Supplemental Pack. The Supplemental Pack for Citrix XenServer can be installed in two ways:

- During the installation of XenServer
- On a running system

During The installation Of XenServer

To install the Supplemental Pack for Citrix XenServer during the installation of XenServer:

1. Start the installation of XenServer as usual and follow the instructions on the screen.
2. One of the early questions during the installation process of XenServer is if you want to install any Supplemental Packs; click **Yes** and continue with the installation process.
3. After the base XenServer image is installed (5-10 minutes depending on the speed of the system), you are prompted to insert the Supplemental Pack CD. Eject the XenServer installation CD from the optical drive, insert the Supplemental Pack CD and click **OK**. The message `OpenManage Supplemental Pack was found` is displayed. To confirm installation, click **Use** and click **OK**.

   > NOTE: If you have more than one Supplemental Pack, (either the Linux Supplemental Pack from Citrix or other third-party applications) you can install them in any order, although it is recommended that you install the Supplemental Pack last.

4. After completing the Supplemental Pack installation (2-5 minutes, depending on the speed of the system), you are prompted to install other Supplemental Packs. If you do not want to install other supplemental packs, click Skip and press <Enter>. The XenServer is installed successfully.

   > NOTE: When installing RPM packages, to avoid warnings concerning the RPM−GPG key, import the key with a command similar to the following:

   `rpm --import<OM DVD mountpoint>SYSMGMT/srvadmin/linux/RPM-GPG-KEY`

On A Running System

To install the Supplemental Pack for Citrix XenServer 6.0 on a running system:

1. Burn the Supplemental Pack ISO file to a CD/DVD or download the ISO file to the server.
   If you are downloading the ISO file, mount it on a temporary directory as follows:

   `$ mount -o loop <openmanange-supplemental-pack-filename>.iso /mnt`

If you burned the ISO file to a CD/DVD, insert it in the optical drive and run:

```
$ mount /dev/cdrom /mnt
```

2. Install the supplemental pack:

```
$ cd /mnt
$ ./install.sh
```

OR

```
$ xe-install-supplemental-pack <openmanange-supplemental-pack-filename>.iso
```

NOTE: If a previous version of Server Administrator is already installed on the system, then the command to upgrade it to version 7.0 is `./install.sh`.

After the installation or upgrade, execute the following post-installation configuration script of Remote Enablement feature

```
$ cd  /opt/dell/srvadmin/etc
$ ./autoconf_cim_component.sh  -p  5986
```

NOTE: The Distributed Web Server (DWS) connection does not work properly, if you have installed the **sblim-sfcb** RPM from SUSE Linux Enterprise Server 11 SP3 operating system DVD. To resolve the connection issue, you must install the **sblim-sfcb** RPM either from SUSE Linux Enterprise Server 11 SP2 operating system DVD or from the *Systems Management Tools and Documentation* DVD.

3. When the installation is complete, unmount the ISO file or CD:

```
$ cd ..
$ umount /mnt
```

⚠ **CAUTION: Removal of the Supplemental Pack or any RPMs is not supported by your service provider or Citrix and it is not recommended. Manual removal of any RPM leaves the system in an inconsistent state which could make any potential issue debugging effort difficult or impossible. A future Supplemental Pack release supports removal of the Supplemental Pack.**

XenServer Upgrade

If the XenServer image is upgraded to a newer XenServer update or release, the Supplemental Pack must be reinstalled since the new XenServer image is placed on a different partition from the original. In this case, follow the same installation instructions as before. However, any systems management configuration settings saved on the server is lost.

NOTE: If you are connecting to a XenServer 6.2 SP1 managed node using server administrator web server, use port 5986 in the format Hostname:Port Number, or IP address:Port Number.

Post Installation Tasks

After the installation or upgrade of Server Administrator:

1. Execute the post installation configuration scripts of Remote Enablement feature:

```
$ cd /opt/dell/srvadmin/etc
$ ./autoconf_cim_component.sh -p 5986
$ service iptables save
```

or

```
$ /etc/init.d/iptables save
```

2. Restart openwsman and sfcb services:

```
$    /etc/init.d/openwsmand restart
$    /etc/init.d/sfcb restart
```

> NOTE: In case the `openwsman` services do not start properly, you may need to reboot the server.

3. Open the port 5986:

```
$  iptables -I RH-Firewall-1-INPUT -p tcp --destination-port 5986 -j ACCEPT
```

4. Start the Server Administrator services:

```
$ sh srvadmin-services start
```

Accessing Server Administrator on XenServer

To manage Server Administrator on XenServer using the Server Administrator Web Server interface:

1. Install only the Server Administrator Web Server interface on another system.

> NOTE: Ensure that the version of the Server Administrator Web Server interface is greater or equal to the version of the Server Instrumentation installed.

2. Run the Server Administrator Web Server interface.

The **Managed System Login** screen is displayed.

3. On the **Managed System Login** screen, type the following credentials of the XenServer system you want to access, and then click **Submit**.

- **Hotname / IP address:** — Is the hostname or IP address of the management station. Type the hostname or IP address in the format Hostname:Port Number, or IP address:Port Number.
- **Username:**
- **Password:**

The Server Administrator screen is displayed.

Frequently Asked Questions

What ports do systems management applications use?

The default port used by Server Administrator is 1311. These ports are configurable. For port information of a particular component, see the User Guide of that respective component.

When I run virtual media on the DRAC controller over a Wide Area Network (WAN) with low bandwidth and latency, launching Systems Management Install directly on the virtual media failed, what do I do?

Copy the web install package to the local system and then launch systems management Install.

Do I need to uninstall the Adaptec Fast Console application installed on the system before installing the Server Administrator Storage Management Service?

Yes, if you already have Adaptec Fast Console installed on the system, you must uninstall this application before installing the Server Administrator Storage Management Service.