

## CHAPTER 2

# Installing and Launching the DCNM Server

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This chapter describes how to install and launch the Cisco Data Center Network Manager (DCNM) server.

When you install the DCNM server, you initially install the software without applying a license. You can use many of the product features without using a license, but if you try to use a feature that requires a license, DCNM displays a message saying that a license is required for that feature. To use that feature and any other licensed feature, you must purchase and install the DCNM Enterprise LAN license.

If the server system is running the Windows Server 2003 operating system, DCNM server runs as a Windows service. By default, the DCNM server starts automatically when you boot up the server system. You can manually stop, start, or pause this service. You can also change the startup instructions for DCNM to automatically startup when you start the operating system, startup manually, or be disabled from starting.

This chapter includes the following sections:

- [Prerequisites for Installing the DCNM Server, page 2-1](#)
- [Downloading the DCNM Server Software, page 2-2](#)
- [Installing the DCNM Server, page 2-3](#)
- [Starting the DCNM Server, page 2-6](#)
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## Prerequisites for Installing the DCNM Server

Before you can install the DCNM server, verify that the following prerequisites are in place:

- The server system must have the following:
  - 6 GB of RAM
  - 2 processors
  - Speed of 3.45 GHz (for Windows Server 2003) or 3.40 GHz (for Red Hat Enterprise Linux 4)

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- The server system must be running one of the following operating systems:
  - Microsoft Windows Server 2003 Enterprise Edition Service Pack 1
  - Red Hat Enterprise Linux 4 AS (RHEL 4 AS)

For more information about server system requirements, see the *Cisco DCNM Release Notes, Release 4.1*.

- For RHEL 4 AS, the maximum shared memory size must be 128 MB or more. To configure the maximum shared memory to 128 MB, use the following command:

```
sysctl -w kernel.shmmax=134217728
```

This setting, `kernel.shmmax=134217728`, should be saved in the `/etc/sysctl.conf` file. If this setting is not present or if it is less than 134217728, the DCNM server will fail after the server system is rebooted. For more information, see the following URL:

<http://www.postgresql.org/docs/8.2/interactive/kernel-resources.html>

- The IP address of the server system should be statically assigned. The DCNM server binds to an IP address that you specify during installation. If the IP address of the server system changes after you install the DCNM server, DCNM clients are unable to connect to the DCNM server and you must stop and reinstall the DCNM server so that you can reconfigure the IP address.
- The server system must be registered with the DNS servers.
- A Perl environment must already be installed on the server system. We recommend Active Perl version 5.8.8.822. You can download ActivePerl version 5.8.8.22 for your server operating system from one of the following locations:
  - <http://downloads.activestate.com/ActivePerl/Windows/5.8>
  - <http://downloads.activestate.com/ActivePerl/Linux/5.8>
- The path to the Perl executable must be defined in the server system PATH environment variable.
- No other programs are running on the server.

## Downloading the DCNM Server Software

This section explains how to download the DCNM server software from Cisco.com. The file that you download is in tape archive (TAR) format. It contains the following files:

- `dcnm-k9.release.exe`—Installation file for the supported Windows operating system.
- `dcnm-k9.release.bin`—Installation file for the supported Linux operating system.

### DETAILED STEPS

To download and install the DCNM server software, follow these steps:

- 
- Step 1** Open a web browser and go to the following website:  
<http://www.cisco.com/>  
The Cisco web page opens.
- Step 2** From the Support menu, choose **Download Software**.  
The Download Software page appears.
- Step 3** Under Select a Software Product Category, choose **Switches**.

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The Tools & Resources Download Software web page displays a tree of Cisco devices.

- Step 4** From the tree, choose **Data Center Switches > Cisco Nexus 7000 Series** and then choose your device. For example, Data Center Switches > Cisco Nexus 7000 Series > Cisco Nexus 7000 10-Slot Switch.

The Log In page appears.

- Step 5** Enter your Cisco.com username and password, and then click **Log In**.

A list of software products appears.

- Step 6** Choose **Data Center Network Manager**.

A tree of Cisco DCNM releases appears.

- Step 7** From the tree, choose the Cisco DCNM Release 4.1 that you need. For example, if you want to download Cisco DCNM, Release 4.1(5), choose 4.1(5).

To the right of the tree, a link appears for a TAR file of the Cisco DCNM release that you chose.

- Step 8** Click the link for the Cisco DCNM TAR file.

- Step 9** Verify that the information is for the TAR file that you need to download. If the information is incorrect, click one of the links near the top of the page and choose the DCNM release that you need.

- Step 10** Click **DOWNLOAD**.

A window opens to list the Cisco Systems usage conditions and policies.

- Step 11** Read the conditions and policies, and then click **Accept**.

The download begins.

- Step 12** After the download completes, extract the files from the downloaded TAR file by doing one of the following:

- For Windows Server 2003, use a file archive utility, such as WinZip, to extract the contents of the TAR file.
- For RHEL 4 AS, use the following command to extract the contents of the TAR file:

```
tar -xvf dcnm_k9.release.tar
```

## Installing the DCNM Server

On server systems that run the Windows Server 2003 operating system, the installer adds the DCNM server as a Windows service. By default, the DCNM server service automatically starts when you start the Windows Server 2003 operating system.

On server systems that run the RHEL 4 AS operating system, you must manually start the DCNM server to use it. To manually launch the DCNM server, see the [“Starting the DCNM Server” section on page 2-6](#).

### BEFORE YOU BEGIN

Download the DCNM server software. See the [“Downloading the DCNM Server Software” section on page 2-2](#).

### DETAILED STEPS

To install the DCNM server software, follow these steps:

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- 
- Step 1** Log into the server with a user account that has the required privileges, as follows:
- For Windows Server 2003, the user account must be a member of the local administrators group.
  - For RHEL 4 AS, the user account must be root.
- Step 2** Go to the directory where you downloaded the DCNM server software and run one of the following files:
- For Windows Server 2003, run the `dcnm-k9.release.exe` file.
  - For RHEL 4 AS, use the following **sh** command:

```
sh dcnm-k9.release.bin
```

After the installer prepares the installation, the Introduction step appears in the DCNM installer window.

- Step 3** Click **Next**.

The Database Options step appears in the DCNM installer window. You can use an existing PostgreSQL installation or, if PostgreSQL is not installed on the server system, you can use the DCNM installer to add a PostgreSQL installation.

- Step 4** If you want to install PostgreSQL, do the following:

- a. Next to Options, click **Install PostgreSQL**.  
If your server system runs RHEL 4 AS, the System User dialog box appears.
- b. For RHEL 4 AS only, on the System User dialog box, type the username for the user account that should be used to run the PostgreSQL software. This user account should not have administrator or root privileges.
- c. In the DB User field, type the username for the user account that DCNM should use to access the database.
- d. In the DB Password field, type the new password that you will use for accessing the database.
- e. In the Confirm DB Password field, type the new password again.

- Step 5** If you want to use an existing installation of PostgreSQL, do the following:

- a. Next to Options, click **Use existing PostgreSQL**.  
If the DCNM installer detected an existing PostgreSQL installation, the DB URL field shows the URL to the database.
- b. If the DB URL field does not have the correct URL to the database, type the correct URL.
- c. In the DB User field, type the username required to access the database.
- d. In the DB Password field, type the password required to access the database.

- Step 6** Click **Next**.

The Configuration Options step appears in the DCNM installer window.

- Step 7** From the Server IP Address list, choose the IP address that you want to use for the DCNM server. The list shows only the IP addresses currently assigned to network interfaces on the server system.




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**Note** The IP address of the server system should be statically assigned. The DCNM server binds to an IP address that you specify during installation. If the IP address of the DCNM server changes, DCNM clients are unable to connect to the DCNM server and you must reinstall the DCNM server so that you can reconfigure the IP address.

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- Step 8** If you want to change the port that the DCNM web server listens to, enter the new port number in the Web Server Port box. By default, the DCNM web server listens to TCP port 8080.

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**Note** If you change the web server port number, it affects the URL that DCNM users use to download the DCNM client.

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- Step 9** If you want to change the port that the DCNM server accepts DCNM client connections on, enter the new port number in the Naming Service Port box. By default, the DCNM server accepts connections from DCNM clients on TCP port 1099.



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**Note** If you change the DCNM server port number, it affects the port that DCNM users specify when they log into the DCNM client.

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- Step 10** Click **Next**.

The Choose Install Folder step appears in the DCNM installer window.

- Step 11** (Optional) If you want to change the default installation folder, type or choose the desired installation folder.

- Step 12** Click **Next**.

The Choose Archive Folder step appears in the DCNM installer window.

- Step 13** (Optional) If you want to change the archive folder, type or choose the desired archive folder.

- Step 14** Click **Next**.

If you are using Windows Server 2003, the installer asks you to specify a shortcut to the application. If you are using RHEL 4 AS, the installer asks you to specify a link folder.

- Step 15** Choose shortcut or link options that you want and then click **Next**.

The Pre-Installation Summary step appears in the DCNM installer window.

- Step 16** Carefully review the summary of your choices. If you need to change anything, click **Previous** until the the DCNM installer window displays the step that you need to change.

- Step 17** When you are ready to install the DCNM server software, click **Next**.

The installer installs the DCNM server software.

If you are using Windows Server 2003, the Start DCNM Server dialog box appears.

- Step 18** (Optional—Windows Server 2003 only) Choose whether you want to start the DCNM server now. If you start the DCNM server now, a splash screen appears while the server starts.

The Install Complete step appears in the DCNM installer window, which also shows a DCNM instance ID number.

- Step 19** (Optional) If you plan to install a license for DCNM, record the DCNM instance ID number. The licensing process requires that you enter that number.



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**Note** You can begin using DCNM without a licence but some features are not available unless you purchase and install a license and apply the license to managed devices that you want to use licensed features with.

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- Step 20** Click **Done**.

- Step 21** If you need to start the DCNM server, do one of the following:

- If you are using Windows Server 2003, see the [“Starting the DCNM Server \(Windows Server 2003\)” section on page 2-6](#).

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- If you are using RHEL 4 AS, see the “Starting the DCNM Server (RHEL 4 AS)” section on page 2-6.

**Step 22** (Optional) If you want to install a DCNM license, see the “Installing Licenses” section on page 2-7.

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## Starting the DCNM Server

You can manually start the DCNM server. The manual procedures for starting the DCNM server differ for systems using the Windows Server 2003 and RHEL 4 AS operating systems, as described in the following topics:

- [Starting the DCNM Server \(Windows Server 2003\)](#), page 2-6
- [Starting the DCNM Server \(RHEL 4 AS\)](#), page 2-6

### Starting the DCNM Server (Windows Server 2003)

On a server system running Windows Server 2003, you can start the DCNM server through the Windows services or by clicking the Start DCNM Server icon.

#### BEFORE YOU BEGIN

You must have installed the DCNM server (see the “Installing the DCNM Server” section on page 2-3).

#### DETAILED STEPS

To manually launch the DCNM server on a system running the Windows Server 2003 operating system, follow these steps:

**Step 1** Open the Control Panel window and choose **Administrative Tools > Services**.

The Services window opens.

**Step 2** Right-click **Cisco DCNM service** and choose **Start**.



**Note** Alternatively, you can choose **Start > All Programs > Cisco DCNM Server > Start Cisco DCNM Server**; however, the location of shortcuts depends upon the choices you made when you installed the DCNM server.

A splash screen opens while the DCNM server starts. This screen closes once the DCNM server is running.

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### Starting the DCNM Server (RHEL 4 AS)

You can start the DCNM server on a RHEL 4 AS server system by using the **Start\_DCNM\_Server** command.

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**Note**

If you reboot a RHEL 4 AS server system that runs the DCNM server, you must manually start the DCNM server after the server system has rebooted.

**BEFORE YOU BEGIN**

The DCNM server must be installed (see the “[Installing the DCNM Server](#)” section on page 2-3).

**DETAILED STEPS**

To manually launch the DCNM server on a system running the RHEL 4 AS operating system, follow this step:

**Step 1** Use the **Start\_DCNM\_Server** command to start the DCNM server.

```
sh Start_DCNM_Server
```

You can find this command in your home folder or the folder that you specified when setting up the link folder during your installation of DCNM.

The DCNM server opens a server console window and displays the processes it runs to start the server. The server is running when you see a “Started in Xm:XXs:XXXms” message.

## Installing Licenses

To use the licensed DCNM server features, you must purchase and install DCNM Enterprise LAN licenses for each managed device that works with those features. To purchase a license, submit the DCNM Instance ID number and the number of devices to license to the Cisco Technical Assistance Team (TAC). TAC will e-mail you the license file that you need for installing the license.

After you install a license, you must specify which managed devices that it applies to. For more information, see [Chapter 8, “Administering DCNM Licensed Devices”](#).

**BEFORE YOU BEGIN**

You must have installed the DCNM server.

Ensure that there are no executable files in the folder where you plan to install the licenses file.

**DETAILED STEPS**

To install the DCNM Enterprise LAN license, follow these steps:

**Step 1** Copy the DCNM Instance ID number by doing one of the following:

- When you finish installing the server, copy the number when it is displayed at the end of the DCNM installation process.
- When running the DCNM client, choose **Help > Show DCNM Instance ID**.

**Step 2** Contact TAC and purchase one or more DCNM licenses. Present the DCNM Instance ID number and specify the number of devices that you want to license.

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TAC will send you a license pack file which you can use for each installation that you ordered.

**Step 3** Log into the server system that runs the DCNM server.

**Step 4** Download the license pack file into a directory on the server system.



**Caution**

Make sure that there are no other executable files in the directory where you download the license pack file. Having other files in the directory where you download the license pack file can disrupt the installation of the licenses.

**Step 5** Go to the directory where you downloaded the DCNM server software and run one of the following files:

- For Windows Server 2003, run the `dcnm-k9.release.exe` file.
- For RHEL 4 AS, use the following **sh** command:

```
sh dcnm-k9.release.bin
```

When the DCNM installer starts, a warning dialog box indicates that the existing installation of the DCNM server was found.

**Step 6** Click **OK**.

The Reinstall step appears in the DCNM installer window.

**Step 7** Choose **License Install** and click **Next**.

The Choose DCNM License Folder step appears in the DCNM installer window.

**Step 8** In the Please Choose a Folder field, type or choose the folder that contains the license file, and then click **Next**.

The Pre-Installation Summary step appears in the DCNM installer window. The License files(s) field shows the licenses that the DCNM installer found in the folder that you specified.

**Step 9** Click **Next**.

The Installation Complete step appears in the DCNM installer window.

**Step 10** Click **Done**.

You can now specify the managed devices that you want to use licensed DCNM features with. For more information, see [Chapter 8, “Administering DCNM Licensed Devices.”](#)

## Upgrading the DCNM Server

You can upgrade the DCNM server. The upgrade process requires that you stop the DCNM server before you begin the upgrade.

### BEFORE YOU BEGIN

Download the updated DCNM server software by following the procedure listed in the [“Downloading the DCNM Server Software”](#) section on page 2-2.

Stop the DCNM server. The upgrade cannot proceed until you stop the DCNM server. For more information, see the applicable topic:

- [Stopping the DCNM Server \(Windows Server 2003\)](#), page 2-14



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- [Stopping the DCNM Server \(RHEL 4 AS\)](#), page 2-14

### DETAILED STEPS

To upgrade the DCNM server software, follow these steps:

- 
- Step 1** Log into the server with a user account that has the required privileges, as follows:
- For Windows Server 2003, the user account must be a member of the local administrators group.
  - For RHEL 4 AS, the user account must be root.
- Step 2** If you have not already done so, stop the DCNM server.
- Step 3** Go to the directory where you downloaded the updated DCNM server software and run one of the following files:
- For Windows Server 2003, run the `dcnm-k9.release.exe` file.
  - For RHEL 4 AS, use the following **sh** command:

```
sh dcnm-k9.release.bin
```

When the DCNM installer starts, a warning dialog box indicates that the existing installation of the DCNM server was found.

- Step 4** Click **OK**.
- If the Choose PostgreSQL Folder step appears in the DCNM installer window, the installer could not locate the PostgreSQL database files.
- Step 5** If the Choose PostgreSQL Folder step appears, type or choose the path to the folder that contains the PostgreSQL database files and then click **Next**.
- The Configuration Options step appears in the DCNM installer window.
- Step 6** From the Server IP Address list, choose the IP address that you want to use for the DCNM server. The list shows only the IP addresses currently assigned to network interfaces on the server system.



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**Note** The IP address of the server system should be statically assigned. The DCNM server binds to the IP address that you specify. If the IP address of the server system changes after you install the DCNM server, DCNM clients are unable to connect to the DCNM server and you must stop and reinstall the DCNM server so that you can reconfigure the IP address.

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- Step 7** If you want to change the port that the DCNM web server listens to, enter the new port number in the Web Server Port box. By default, the DCNM web server listens to TCP port 8080.



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**Note** If you change the web server port number, it affects the URL that DCNM users use to download the DCNM client.

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- Step 8** If you want to change the port that the DCNM server accepts DCNM client connections on, enter the new port number in the Naming Service Port box. By default, the DCNM server accepts connections from DCNM clients on TCP port 1099.



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**Note** If you change the DCNM server port number, it affects the port that DCNM users specify when they log into the DCNM client.

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- Step 9** Click **Next**.
- The Choose Archive Folder step appears in the DCNM installer window.
- Step 10** (Optional) If you want to change the archive folder, type or choose the desired archive folder.
- Step 11** Click **Next**.
- The Pre-Installation Summary step appears in the DCNM installer window.
- Step 12** Carefully review the summary of your choices. If you need to change anything, click **Previous** until the the DCNM installer window displays the step that you need to change.
- Step 13** When you are ready to install the DCNM server software, click **Next**.
- The installer migrates the database from the previous installation to the new installation. After database migration is complete, the installer installs the DCNM server software
- If you are using Windows Server 2003, the Start DCNM Server dialog box appears.
- Step 14** (Optional—Windows Server 2003 only) Choose whether you want to start the DCNM server now. If you start the DCNM server now, a splash screen appears while the server starts.
- The Install Complete step appears in the DCNM installer window, which also shows a DCNM instance ID number.
- Step 15** Click **Done**.
- Step 16** If you need to start the DCNM server, do one of the following:
- If you are using Windows Server 2003, see the [“Starting the DCNM Server \(Windows Server 2003\)” section on page 2-6](#).
  - If you are using RHEL 4 AS, see the [“Starting the DCNM Server \(RHEL 4 AS\)” section on page 2-6](#).

## Reinstalling the DCNM Server

You can reinstall the DCNM server and the download service for the DCNM client. When you reinstall the DCNM server, you must choose one of the following types of reinstallation:

- Custom—Reinstalls the components that you select, without allowing you to change anything that you specified when you previously installed the DCNM server. Choose this reinstallation type when you want to do any of the following:
  - Reinstall the DCNM server without changing database or configuration options.
  - Reinstall the DCNM client download service.
  - Reinstall the DCNM license, either from the same folder that previously contained the DCNM license file or from a different folder.
- Full Reinstall—Reinstalls the DCNM server and the DCNM client download service. Choose this reinstallation type when you want to do any of the following:
  - Create a PostgreSQL installation.
  - Change the database URL, database username, or database password for the existing PostgreSQL installation.
  - Change the DCNM server IP address.

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**Note** If you are using RHEL 4 AS and you change the DCNM server IP address, you must also manually change the IP address in the `INSTALL_DIR/bin/stopdcnm.sh` script.

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- Change the port that the DCNM web server listens to.



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**Note** If you change the web server port number, it affects the URL that DCNM users use to download the DCNM client.

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- Change the port that the DCNM server accepts DCNM client connections on.



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**Note** If you change the DCNM server port number, it affects the port that DCNM users specify when they log into the DCNM client.

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Neither reinstallation type allows you to change the installation folder or archive folder.

## BEFORE YOU BEGIN

Stop the DCNM server. The upgrade cannot proceed until you stop the DCNM server. For more information, see the applicable topic:

- [Stopping the DCNM Server \(Windows Server 2003\), page 2-14](#)
- [Stopping the DCNM Server \(RHEL 4 AS\), page 2-14](#)

## DETAILED STEPS

To reinstall the DCNM server, set up a web start copy of the DCNM client, or do both, follow these steps:

- 
- Step 1** Log into the server with a user account that has the required privileges, as follows:
- For Windows Server 2003, the user account must be a member of the local administrators group.
  - For RHEL 4 AS, the user account must be root.
- Step 2** If you have not already done so, stop the DCNM server.
- Step 3** Go to the directory that contains the DCNM installer software and run one of the following files:
- For Windows Server 2003, run the `dcnm-k9.release.exe` file.
  - For RHEL 4 AS, use the following `sh` command:
- ```
sh dcnm-k9.release.bin
```

When the DCNM installer starts, a warning dialog box indicates that the existing installation of the DCNM server was found.

- Step 4** Click **OK**.
- The Reinstall step appears in the DCNM installer window.

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- Step 5** Choose the type of reinstallation that you to perform by doing one of the following:
- If you want to reinstall both the DCNM server and the DCNM client download service, click **Full Reinstall**.
  - If you want to reinstall only the DCNM server or only the DCNM client download service, click **Custom**.
- Step 6** If you chose Custom, follow these steps:
- a. Click **Next**.  
The Reinstall DCNM step appears in the DCNM installer window. Under Install Set, check boxes for the components that you can reinstall appear.
  - b. Check the check boxes for the components that you want to reinstall and click **Next**.  
If you chose the License component, the Choose DCNM License Folder step appears in the DCNM installer window.
  - c. If the Choose DCNM License Folder step appears, type or choose the path to the folder that contains the DCNM license file, and then click **Next**.  
The Pre-Installation Summary step appears in the DCNM installer window.
  - d. Skip to [Step 15](#).
- Step 7** If you chose Full Reinstall, click **Next**.  
The Database Options step appears in the DCNM installer window. You can use the existing PostgreSQL installation or you can use the DCNM installer to add a PostgreSQL installation.
- Step 8** If you want to use the existing installation of PostgreSQL, do the following:
- a. Next to Options, click **Use existing PostgreSQL**.  
If the DCNM installer detected the existing PostgreSQL installation, the DB URL field shows the URL to the database.
  - b. If the DB URL field does not have the correct URL to the DCNM database, type the correct URL.  
If you previously used the DCNM installer to create a PostgreSQL installation, the URL is typically as follows:  
`jdbc:postgresql://localhost:5432/dcnmdb`  
where 5432 is the default PostgreSQL server port number and dcnmdb is the default database name that the DCNM installer creates.
  - c. In the DB User field, type the username required to access the database.
  - d. In the DB Password field, type the password required to access the database.
- Step 9** If you want to install PostgreSQL, do the following:
- a. Next to Options, click **Install PostgreSQL**.  
If your server system runs RHEL 4 AS, the System User dialog box appears.
  - b. For RHEL 4 AS only, on the System User dialog box, type the username for the user account that should be used to run the PostgreSQL software. This user account should not have administrator or root privileges.
  - c. In the DB User field, type the username for the user account that DCNM should use to access the database.
  - d. In the DB Password field, type the new password that you will use for accessing the database.
  - e. In the Confirm DB Password field, type the new password again.

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**Step 10** Click **Next**.

The Configuration Options step appears in the DCNM installer window.

**Step 11** From the Server IP Address list, choose the IP address that you want to use for the DCNM server. The list shows only the IP addresses currently assigned to network interfaces on the server system.



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**Note** The IP address of the server system should be statically assigned. The DCNM server binds to the IP address that you specify. If the IP address of the server system changes after you install the DCNM server, DCNM clients are unable to connect to the DCNM server and you must stop and reinstall the DCNM server so that you can reconfigure the IP address.

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**Step 12** If you want to change the port that the DCNM web server listens to, enter the new port number in the Web Server Port box. By default, the DCNM web server listens to TCP port 8080.



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**Note** If you change the web server port number, it affects the URL that DCNM users use to download the DCNM client.

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**Step 13** If you want to change the port that the DCNM server accepts DCNM client connections on, enter the new port number in the Naming Service Port box. By default, the DCNM server accepts connections from DCNM clients on TCP port 1099.



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**Note** If you change the DCNM server port number, it affects the port that DCNM users specify when they log into the DCNM client.

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**Step 14** Click **Next**.

**Step 15** Carefully review the summary of your choices. If you need to change anything, click **Previous** and return to the applicable step, above.

**Step 16** When you are ready to install the DCNM server software, click **Next**.

The installer installs the DCNM server software

If you are using Windows Server 2003, the Start DCNM Server dialog box appears.

**Step 17** (Optional—Windows Server 2003 only) Choose whether you want to start the DCNM server now. If you start the DCNM server now, a splash screen appears while the server starts.

The Install Complete step appears in the DCNM installer window.

**Step 18** Click **Done**.

**Step 19** If you need to start the DCNM server, do one of the following:

- If you are using Windows Server 2003, see the “[Starting the DCNM Server \(Windows Server 2003\)](#)” section on page 2-6.
- If you are using RHEL 4 AS, see the “[Starting the DCNM Server \(RHEL 4 AS\)](#)” section on page 2-6.

**Step 20** (RHEL 4 AS only) If you are using RHEL 4 AS and you changed the DCNM server IP address during the reinstallation, open the `INSTALL_DIR/bin/stopdcnm.sh` script in a text editor and change the IP address to the new DCNM server IP address.

---

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## Stopping the DCNM Server

You can manually stop the DCNM server. The manual procedures for stopping the DCNM server differ for systems using the Windows Server 2003 and RHEL 4 AS operating systems, as described in the following topics:

- [Stopping the DCNM Server \(Windows Server 2003\)](#), page 2-14
- [Stopping the DCNM Server \(RHEL 4 AS\)](#), page 2-14

### Stopping the DCNM Server (Windows Server 2003)

On a server system running Windows Server 2003, you can stop the DCNM server through the Windows services or by clicking the Stop DCNM Server icon.

#### DETAILED STEPS

To manually stop the DCNM server on a system running the Windows Server 2003 operating system, follow these steps:

---

**Step 1** Open the Control Panel window and choose **Administrative Tools > Services**.

A window opens listing the Windows services.

**Step 2** Right-click **Cisco DCNM Server** and choose **Stop**.




---

**Note** Alternatively, you can choose **Start > All Programs > Cisco DCNM Server > Stop Cisco DCNM Server**; however, the location of shortcuts depends upon the choices you made when you installed the DCNM server.

---

A splash screen opens while the DCNM server begins to shut down. When the DCNM server has stopped, the splash screen closes.

---

### Stopping the DCNM Server (RHEL 4 AS)

On a server system running RHEL 4 AS, you can stop the DCNM server with the **Stop\_DCNM\_Server** command.




---

**Note** If you reboot a RHEL 4 AS server system that runs the DCNM server, you must manually start the DCNM server after the server system has rebooted.

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## DETAILED STEPS

To manually stop the DCNM server on a system running the RHEL 4 AS operating system, follow this step:

**Step 1** Use the **Stop\_DCNM\_Server** command to stop the server on a RHEL operating system.

```
sh Stop_DCNM_Server
```

You can find this command in your home folder or the folder that you specified when setting up the link folder during your installation of DCNM.

The DCNM server opens a server console window and displays the processes that it runs to start the server. The server is running when you see a “Stopped at Xm:XXs:XXXms” message.

## Additional References

For additional information related to installing and launching the DCNM server, see the following sections:

- [Related Documents, page 2-15](#)
- [Standards, page 2-15](#)

## Related Documents

| Related Topic                                      | Document Title                                   |
|----------------------------------------------------|--------------------------------------------------|
| Overview of the DCNM environment                   | <a href="#">Information About DCNM, page 1-1</a> |
| The process of deploying DCNM in your organization | <a href="#">Deploying DCNM, page 1-4</a>         |

## Standards

| Standards                                                                                                                             | Title |
|---------------------------------------------------------------------------------------------------------------------------------------|-------|
| No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature. | —     |

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## Feature History for Installing and Launching the DCNM Server

Table 2-1 lists the release history for this feature.

**Table 2-1** *Feature History for Installing and Launching the DCNM Server*

| Feature Name                                                                                                                           | Releases | Feature Information           |
|----------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------|
| Server installer includes a step for configuring the DCNM server IP address, web server listening port, and DCNM server listening port | 4.1(2)   | This feature was introduced.  |
| Server installer includes a step for choosing an archive folder                                                                        | 4.1(2)   | This feature was introduced.  |
| DCNM server installer                                                                                                                  | 4.1(2)   | This feature was preexisting. |