



## CHAPTER 7

# Administering DCNM Licensed Devices

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This chapter describes how to use the Cisco Data Center Network Manager (DCNM) Licensed Devices feature.

This chapter includes the following sections:

- [Information About DCNM Licensed Devices, page 7-1](#)
- [Licensing Requirements for Administering DCNM Licensed Devices, page 7-2](#)
- [Prerequisites for Administering DCNM Licensed Devices, page 7-2](#)
- [Guidelines and Limitations for Administering DCNM Licensed Devices, page 7-2](#)
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## Information About DCNM Licensed Devices

The DCNM Licensed Devices feature allows you to control which physical devices you can manage with licensed DCNM features. The feature maintains a list of licensed devices. If a device is on this list, you can manage licensed Cisco DCNM features on the device.

You can add as many devices to licenses as your licenses support. For example, if you install two LAN Enterprise licenses that each support 5 devices, you can add a total of 10 devices to the list of licensed devices.

You can also remove devices from the list of licensed devices and replace them with other devices.

When you try to use a Cisco DCNM licensed feature to configure a device that you have not added to the list of licensed devices, the Cisco DCNM client does not allow you to use the feature to configure the unlicensed device.

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## Licensing Requirements for Administering DCNM Licensed Devices

The following table shows the licensing requirements for this feature:

Product	License Requirement
Cisco DCNM	DCNM Licensed Devices requires an Enterprise LAN license. For information about obtaining and installing a Cisco DCNM LAN Enterprise license, see the <i>Cisco DCNM Installation and Licensing Guide, Release 5.x</i> .

## Prerequisites for Administering DCNM Licensed Devices

Administering DCNM Licensed Devices has the following prerequisites:

- You must install one or more LAN Enterprise licenses. For more information, see the *Cisco DCNM Installation and Licensing Guide, Release 5.x*.
- You must discover the devices that you want to add to the list of Cisco DCNM-licensed devices. For more information, see the [“Discovering Devices” section on page 5-9](#).

## Guidelines and Limitations for Administering DCNM Licensed Devices

Administering DCNM Licensed Devices has the following configuration guidelines and limitations:

- You can add only managed devices to the list of licensed devices.
- You can add to the list of licensed devices only as many devices as permitted by all of the LAN Enterprise licenses that you have installed.
- When you remove a device from the list of licensed devices, the device is removed from Cisco DCNM. If the physical device supports virtual device context (VDCs), all the VDCs on the device are removed from Cisco DCNM. To continue managing the device, you must discover the device. For more information, see the [“Discovering Devices” section on page 5-9](#).

## Configuring DCNM Licensed Devices

This section includes the following topics:

- [Adding Devices to the Licensed Devices List, page 7-3](#)
- [Removing Devices from the Licensed Devices List, page 7-3](#)

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## Adding Devices to the Licensed Devices List

You can add managed devices to the list of Cisco DCNM-licensed devices.

### BEFORE YOU BEGIN

You must have installed at least one Cisco DCNM Enterprise LAN license. For more information, see the *Cisco DCNM Installation and Licensing Guide, Release 5.x*.

If you have already added as many devices as the maximum number of devices allowed by your licenses, you must remove one or more devices from the list of licensed devices before you can add other devices to the list. For more information, see the [“Removing Devices from the Licensed Devices List” section on page 7-3](#).

### DETAILED STEPS

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- Step 1** From the Feature Selector pane, choose **DCNM Server Administration > DCNM Licensed Devices**.  
The Contents pane displays the list of licensed devices.
  - Step 2** From the menu bar, choose **Actions > New**.  
The Cisco DCNM client adds a row to the list and the Available Devices dialog box lists available and selected physical devices.
  - Step 3** From the Available Devices list, choose the physical devices that you want to add to the license and then click **Add**.
  - Step 4** Click **OK**.  
The Contents pane displays a list of licensed devices, including the devices that you added.
  - Step 5** From the menu bar, choose **File > Deploy** to apply your changes to the Cisco DCNM server.  
You can begin using licensed Cisco DCNM features when you manage the device.
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## Removing Devices from the Licensed Devices List

You can remove one or more physical devices from the list of Cisco DCNM-licensed devices when you no longer need to use licensed Cisco DCNM features to manage the devices.



### Note

When you remove a physical device from the list of licensed devices, the device and all of its VDCs are removed from Cisco DCNM. To continue managing the device, you must discover the device. For more information, see the [“Discovering Devices” section on page 5-9](#).

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### DETAILED STEPS

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- Step 1** From the Feature Selector pane, choose **DCNM Server Administration > DCNM Licensed Devices**.  
The Contents pane displays the list of licensed devices.
  - Step 2** For each device that you want to remove from the list of licensed devices, follow these steps:
    - a.** Choose the device that you want to remove from the list of licensed devices.

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- b. From the menu bar, choose **Actions > Delete**.

The Cisco DCNM client displays a confirmation dialog box.

- c. Click **Yes**.

The Cisco DCNM client removes the device from the list of licensed devices.



**Note**

Devices that you remove from the list of licensed devices are no longer managed by Cisco DCNM.

- Step 3** (Optional) To continue managing devices that you removed from the list of licensed devices, discover the devices. For more information, see the [“Discovering Devices” section on page 5-9](#).

## Viewing DCNM Licensed Devices

To view the list of Cisco DCNM-licensed devices, from the Feature Selector pane, choose **DCNM Server Administration > DCNM Licensed Devices**.

The list of Cisco DCNM-licensed devices appears in the Contents pane. For information about the fields that appear, see the [“Field Descriptions for DCNM Licensed Devices” section on page 7-4](#).

## Field Descriptions for DCNM Licensed Devices

This section includes the following field descriptions for DCNM Licensed Devices:

- [DCNM Licensed Devices Content Pane, page 7-4](#)

## DCNM Licensed Devices Content Pane

**Table 7-1** DCNM Licensed Devices Content Pane

Field	Description
Number of Devices Licensed	<i>Display only.</i> Sum of devices licensed by all Cisco DCNM Enterprise LAN licenses installed. For example, if you installed two licenses that each support 5 devices, this field would display 10.
Switch Name	<i>Display only.</i> Name of a licensed physical device. You can use licensed Cisco DCNM features on the device.
Virtual Devices	<i>Display only.</i> Each virtual device context (VDC) that is configured on the physical device. If the physical device does not support VDCs, this field is empty.

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## Additional References

For additional information related to administering DCNM Licensed Devices, see the following sections:

- [Related Documents, page 7-5](#)
- [Standards, page 7-5](#)

## Related Documents

Related Topic	Document Title
Installing a Cisco DCNM Enterprise LAN license	<i>Cisco DCNM Installation and Licensing Guide, Release 5.x</i>

## 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.	—

## Feature History for DCNM Licensed Devices

[Table 7-2](#) lists the release history for this feature.

**Table 7-2** Feature History for DCNM Licensed Devices

Feature Name	Releases	Feature Information
DCNM Licensed Devices	5.0(2)	No change from Release 4.2

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