



CHAPTER 66

Inventory - Device Console

Device Console

Device Console is the starting point for many operations. To navigate through **Device Console**, follow these steps:

- Step 1** Choose **Inventory > Device Tools > Device Console** and you receive a window as shown in the example in [Figure 66-1](#).



Note

The radio button last selected will be the one shown in [Figure 66-1](#).

Figure 66-1 *Device Console window*

Create Information	
Operation:	☒ Download Commands ☐ Download Template ☐ Device Configuration Manager ☐ EXEC Commands ☐ Reload
Select Operation Method:	☒ Simplified ☐ Advanced (via wizard)
Back Next Finish Cancel	

- Step 2** To select one of the operations, click the radio button for one of the following selections and then click **Next**.



Note

All operations apply only to Live mode, *not* ECHO mode.

- [Download Commands, page 66-2](#)—Download operation commands and configlets. The **Select Operation Method** selections of **Simplified** and **Advanced (via wizard)** are only available for **Download Commands** and are explained in that section.
- [Download Template, page 66-3](#)—Downloads template configlets to the specified devices.
- [Device Configuration Manager, page 66-6](#)—Displays different versions of configuration files created on a repository per timestamp and writes to running-configuration or start-up configuration.
- [EXEC Commands, page 66-7](#)—Allows you to send to target devices any Cisco IOS commands that can be executed in enable mode.
- [Reload, page 66-9](#)—Remotely reloads devices.

Download Commands

To download commands, follow these steps:

- Step 1** Choose **Inventory > Device Tools > Device Console > Download Commands**.
- Step 2** The **Select Operation Method** default is **Simplified**, which indicates that in a single window you have the options for selecting the Devices, Device Groups, and Operation Commands. You do not need to multi-click. In a single window you can submit the required parameters to complete the task. **Advanced (via wizard)** indicates you must go to multiple windows to achieve the task. In this method, you select Device, click **Next**, select Device Groups, click **Next**, select Operation Command, and then the summary.
- Step 3** Click **Next**.
- A window as shown in [Figure 66-2](#).

Figure 66-2 *Device Console—Download Commands: Select Devices*

Device Console - Download Commands

Command Information

Devices:

Groups:

Operation Commands:

Options:

☐ Upload Config After Download

☐ Retrieve device attributes

Note: * - Required Field

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- Step 4** In the **Devices** row, click **Select/Deselect**. In the new window, check the check box for each device you want. Uncheck a check box if you do not want this device. Then click **Select**. [Figure 66-2](#) then reappears with the selected devices in the **Devices** row.

- Step 5** In the **Groups** row, click **Select/Deselect**. In the next window, check the check box for each group you want. Uncheck a check box if you do not want this group. Then click **Select**. The selected groups appear in the **Groups** row.
- Step 6** In the **Operation Commands** field, enter the commands you want to download or click **Load File** to select a set of commands to place in the **Operation Commands** field.
- If you leave the **Upload Config After Download** check box unchecked, you do *not* upload the configuration file after the download.
- If you leave the **Retrieve device attributes** check box unchecked, you do not retrieve any device attributes. If you check the **Retrieve device attributes** check box, after the template is downloaded, SNMP is used to retrieve interface information and issue additional **show** commands, such as **show version**.
- Step 7** Click **OK** to submit the download and you receive a window with the **Device Console Operation Result** and in the bottom left corner a **Status**. You can click **Download** or **Done**.
- Step 8** When you click **Download**, you return to [Step 6](#) to download additional commands on the selected devices.
- Step 9** When you click **Done**, you return to [Figure 66-1](#).

Download Template



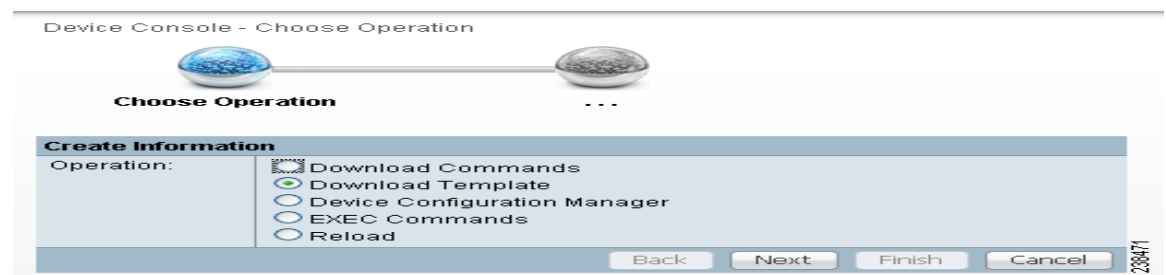
Note

Multiple datafiles belonging to different templates cannot be downloaded through the device console.

To download a template, follow these steps:

- Step 1** Choose **Inventory > Device Tools > Device Console**.
- Step 2** Select **Download Template** and click **Next**.
- A window as shown in [Figure 66-3](#).

Figure 66-3 Device Console—Download Template: Select Devices



- Step 3** Continue with [Step 4](#) if you want to add devices; proceed to [Step 9](#) to delete devices; or click **Next** to proceed to [Step 11](#) for **3. Select Device Groups**.
- Step 4** Click **Add**, as shown in [Figure 66-3](#), to **2. Select Devices**.
- Step 5** From the resulting window, as shown in [Figure 66-4](#), “**Device Selection**,” check the check box(es) for each device you want to select. Then click **Select**.

Figure 66-4 Device Selection

Device Inventory

Show Devices with Device Name matching * Find

Showing 1 - 10 of 39 records

#	☐	Device Name	Management IP Address	Type	Parent Device Name
1	☐	pe1		Cisco IOS Device	
2	☐	pe2		Cisco IOS Device	
3	☐	pe3		Cisco IOS Device	
4	☐	pe4		Cisco IOS Device	
5	☐	pe5		Cisco IOS Device	
6	☐	pe6		Cisco IOS Device	
7	☐	pe7		Cisco IOS Device	
8	☐	pe8		Cisco IOS Device	
9	☐	pe9		Cisco IOS Device	
10	☐	pe10		Cisco IOS Device	

Rows per page: 10

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Create Edit Copy Delete Config E-mail

- Step 6** You return to [Figure 66-3](#) with the added devices.
- Step 7** For each device, you can click the added **Clear** button to clear the **Upload to Customer/Site** column to reflect **none selected**, or you can click the added **Select** button and a new window allows you to **Create Customer**, **Create Site**, **Select**, or **Cancel**. When you click **Select** in this new window, you return to [Figure 66-3](#) with the added customer or site.
- Step 8** You can repeat [Step 4](#) to [Step 7](#) to **add** more devices, you can delete devices, as explained in [Step 9](#), or you can proceed by going to [Step 10](#).
- Step 9** To delete devices, check the check box(es) for the devices you want to delete and then click **Delete**. Select carefully, because there is no chance to confirm this deletion.
- Step 10** When you have all the devices you want, click **Next**. You proceed to **3. Select Device Groups**, starting in [Step 11](#).
- Step 11** Continue with [Step 12](#) if you want to add device groups; proceed to [Step 14](#) to delete device groups; or click **Next** to proceed to [Step 16](#) for **4. Enter Download Commands**.
- Step 12** Click **Add**, as shown in [Figure 66-5](#), to **3. Select Device Groups**. Adding Device Groups is optional.

Figure 66-5 Device Group Selection

Device Group Inventory

Show Device Groups with Device Group Name matching * Find

Showing 1 - 2 of 2 records

#	☐	Device Group Name	Description
1	☐	Device Group 1	
2	☐	Device Group 2	

Rows per page: 10

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Create Edit Delete E-mail

- Step 13** From the resulting window, check the check box(es) for each device group you want to select. Then click **Select**.
- You return to [Figure 66-5](#) with the added device groups. You can repeat [Step 12](#) to [Step 13](#) to **add** more device groups, you can delete device groups, as explained in [Step 14](#), or you can proceed by going to [Step 15](#).
- Step 14** To delete device groups, check the check box(es) for the devices you want to delete and then click **Delete**. Select carefully, because there is no chance to confirm this deletion.
- Step 15** When you have all the device groups you want, click **Next**. You proceed to **4. Select Download Template**, starting in [Step 16](#).
- Step 16** For **4. Select Download Template**, the resulting window is shown in [Figure 66-6](#).

Figure 66-6 Select Download Template

Step 17 In [Figure 66-6](#), you can click the **Select** button.

A window as shown in [Figure 66-7](#).

Step 18 Click **Add** to add templates or **Remove** to remove templates. When you have the templates you want, click **OK**.

When you click **Add** you get a Template Datafile Chooser window with the template choices in the tree. Click **+** to open the folders and subfolders in the tree, until you get the property you want to choose. Click on that property and it is added to your list. Repeat this until all the templates you want are in your list. In each added property, you can click **View** and you receive the configlet for that data file. To return, click **OK**. In [Figure 66-7](#), check the check box(es) for the template(s) you want. In each template row, click the **Action** drop-down list and choose **APPEND** or **PREPEND** to add information after or before, respectively; check or uncheck the **Active** check box; and then click **OK**.

Figure 66-7 Add/Remove Templates

Step 19 You return to [Figure 66-6](#) with the updated information.

Step 20 Click **Next** and you proceed to **5. Download Template Summary**, as explained in [Step 21](#).

Step 21 For **5. Download Commands Summary**, a window as shown in [Figure 66-8](#).

Figure 66-8 Download Template Summary

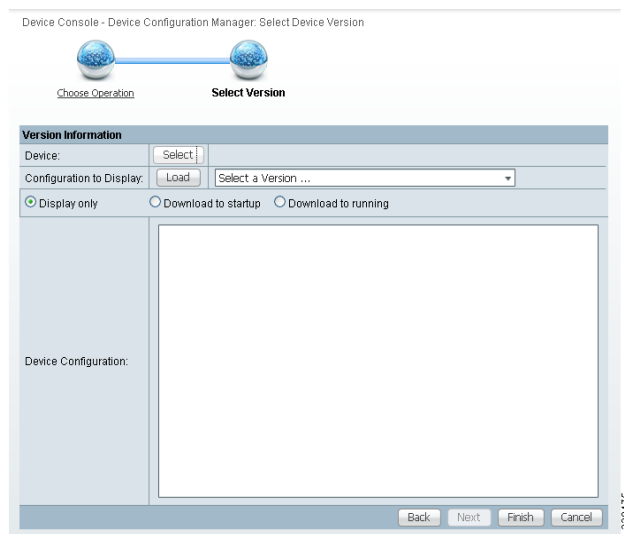
- Step 22** In [Figure 66-8](#), if you leave the **Upload Config After Download** check box unchecked, you do *not* upload the configuration file after the download. If you check the **Upload Config After Download** check box, you upload the new configuration file after you download the templates in . If you leave the **Retrieve device attributes** check box unchecked, you do not retrieve any device attributes. If you check the **Retrieve device attributes** check box, after the template is downloaded, SNMP is used to retrieve interface information and issue additional **show** commands, such as **show version**.
- Step 23** Click **Back** until you correct any information you want to change or click **Finish** to submit the download and you receive a window with the **Download Template Results** and in the bottom left corner a **Status** with a green check mark for **Succeeded**.
- Step 24** Click **Done** and you return to [Figure 66-1](#).

Device Configuration Manager

To display the configuration, download the configuration to the startup configuration on the device, or download the configuration to the running configuration on the device, follow these steps:

- Step 1** Choose **Inventory > Device Tools > Device Console**.
- Step 2** Select **Device Configuration Manager** and click **Next**.
A window as shown in [Figure 66-9](#).

Figure 66-9 *Device Configuration Manager*



- Step 3** In the **Device** row, click **Select** and a window as shown in [Figure 66-4](#).
- Step 4** From the devices listed, click the radio button for the device you want to select. Then click **Select**.
- Step 5** You return to [Figure 66-9](#) with the added device. You can repeat [Step 3](#) to [Step 4](#) to change the device.
- Step 6** When you have selected the device you want, go to the **Configuration to Display** row and click the **Select a Version...** drop-down list. Click the version you want and then click **Load** to load that configuration file.
- Step 7** Click one of the following radio buttons or keep the default:

- **Display only**—The configuration file can only be viewed.
- **Download to startup**—The configuration file is downloaded to the start up configuration of the selected router.

**Note**

For **Download to startup**, the Device Access Protocol (defined in device creation) must be either **ftp** or **tftp**. If this is not the case, the Device Configuration Manager Results window appears and indicates that you must set up either **ftp** or **tftp**. Dynamic Component Properties Library (DCPL) properties for DCS for both FTP and TFTP are specified in [Appendix B, “Property Settings”](#).

- **Download to running** The configuration file is downloaded to the router’s running configuration file.

**Note**

When the DCPL property **copy-running-to-startup** in the **GTL/ios** folder is set to the default of **true**, the router’s running configuration file is also copied to the start up configuration.

- Step 8** Click **Finish**. If in [Step 7](#) you chose **Display only**, you automatically return to [Figure 66-1](#). If in [Step 7](#) you clicked **Download to startup** or **Download to running**, you get a Device Configuration Manager Results window. In the **Status** box, you get a green check mark for **Succeeded** or a red **Failed** status and you must click **Done** to return to [Figure 66-1](#).

EXEC Commands

EXEC Commands allows you to send to target devices any Cisco IOS commands that can be executed in enable mode. You can only view the router information. You cannot edit or delete the information.

To execute **EXEC Commands**, follow these steps:

- Step 1** Choose **Inventory > Device Tools > Device Console**.

- Step 2** Select **EXEC Commands** and click **Next**.

A window as shown in [Figure 66-10](#).

Figure 66-10 Device Console—EXEC Commands: Select Devices

Device Console - EXEC Commands: Select Devices

Choose Operation **Select Devices** Select Device Groups Enter EXEC Command EXEC Commands Summary

Show Devices with: Device Name matching * Find

Showing 0 of 0 records

#	Device Name	Management IP Address	Type
Rows per page: 10			

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Add Delete Back Next Finish Cancel

- Step 3** Continue with [Step 4](#) if you want to add devices; proceed to [Step 7](#) to delete devices; or click **Next** to proceed to [Step 9](#) for **3. Select Device Groups**.

- Step 4** Click **Add**, as shown in [Figure 66-10](#), to **2. Select Devices**.

- Step 5** From the resulting window, as shown in [Figure 66-4](#), check the check box(es) for each device you want to select. Then click **Select**.
- Step 6** You return to [Figure 66-10](#) with the added devices. You can repeat [Step 4](#) to [Step 5](#) to **add** more devices, you can delete devices, as explained in [Step 7](#), or you can proceed by going to [Step 8](#).
- Step 7** To delete devices, check the check box(es) for the devices you want to delete and then click **Delete** in [Figure 66-10](#). Select carefully, because there is no chance to confirm this deletion.
- Step 8** When you have all the devices you want, click **Next**.
You proceed to **3. Select Device Groups**, starting in [Step 9](#).
- Step 9** Continue with [Step 10](#) if you want to add device groups; proceed to [Step 13](#) to delete device groups; or click **Next** to proceed to [Step 15](#) for **4. Enter EXEC Commands**.
- Step 10** Click **Add**, as shown in [Figure 66-11](#), to **3. Select Device Groups**.

Figure 66-11 Device Group Selection

Device Console - EXEC Commands: Select Device Groups

Choose Operation Select Devices **Select Device Groups** Enter EXEC Command EXEC Commands Summary

Show Device Groups with Device Group Name matching + Find

Showing 0 of 0 records

#	☐	Device Group Name	Description
Rows per page: 10			

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Add Delete Back Next Finish Cancel

- Step 11** From the resulting window, check the check box(es) for each device group you want to select. Then click **Select**.
- Step 12** You return to [Figure 66-11](#) with the added device groups. You can repeat [Step 10](#) to [Step 11](#) to **add** more device groups, you can delete device groups, as explained in [Step 13](#), or you can proceed by going to [Step 14](#).
- Step 13** To delete device groups, check the check box(es) for the devices you want to delete and then click **Delete**. Select carefully, because there is no chance to confirm this deletion.
- Step 14** When you have all the device groups you want, click **Next**. You proceed to **4. Enter EXEC Commands**, starting in [Step 15](#).
- Step 15** For **4. Enter EXEC Commands**, the resulting window is shown in [Figure 66-12](#).

Figure 66-12 **Operation Commands**

Device Console - EXEC Commands: Enter EXEC Command

Choose Operation Select Devices Select Device Groups **Enter EXEC Command** EXEC Commands Summary

Command Details

Input File:

Commands:

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- Step 16** In [Figure 66-12](#), you can click the **Browse** button to input an existing file with Cisco IOS configuration commands. Then click the **Load File** button to put the file's information in the **Commands** field. Otherwise, you can enter the Cisco IOS configuration commands directly in the **Commands** field.
- Step 17** Click **Next** and you proceed to **5. EXEC Commands Summary**, as explained in [Step 18](#).
- Step 18** For **5. EXEC Commands Summary**, a window as shown in [Figure 66-13](#).

Figure 66-13 **EXEC Commands Summary**

Device Console - EXEC Commands: EXEC Command Summary

Choose Operation Select Devices Select Device Groups Enter EXEC Command **EXEC Commands Summary**

EXEC Summary	
Devices:	pe10
Device Groups:	Device Group 1
Commands:	

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- Step 19** Click **Back** until you correct any information you want to change or click **Finish** to retrieve the information from the router. You then receive a window with the **EXEC Commands Results** and a **Status** with a green check mark for **Succeeded**. You can click **EXEC** or **Done**.
- Step 20** When you click **EXEC**, you return to [Step 15](#) to enter additional commands on the selected devices.
- Step 21** When you click **Done**, you return to [Figure 66-1](#).

Reload

To reload (reboot) the router, follow these steps:

- Step 1** Choose **Inventory > Device Tools > Device Console**.

Step 2 Select **Reload** and click **Next**.

A window as shown in [Figure 66-14](#).

Figure 66-14 Device Console—Reload: Select Devices

Step 3 Continue with [Step 4](#) if you want to add devices; proceed to [Step 7](#) to delete devices; or click **Next** to proceed to [Step 9](#) for **3. Select Device Groups**.

Step 4 Click **Add**, as shown in [Figure 66-14](#), to **2. Select Devices**.

Step 5 From the resulting window, as shown in [Figure 66-4](#), check the check box(es) for each device you want to select. Then click **Select**.

Step 6 You return to [Figure 66-14](#) with the added devices. Repeat [Step 4](#) to [Step 5](#) to **add** more devices; delete devices, as explained in [Step 7](#); or proceed by going to [Step 8](#).

Step 7 To delete devices, check the check box(es) for the devices you want to delete and then click **Delete**. Select carefully, because there is no chance to confirm this deletion.

Step 8 When you have all the devices you want, click **Next**. You proceed to **3. Select Device Groups**, starting in [Step 9](#).

Step 9 Continue with [Step 10](#) if you want to add device groups; proceed to [Step 13](#) to delete device groups; or click **Next** to proceed to [Step 15](#) for **4. Reload Devices Summary**.

Step 10 Click **Add**, as shown in [Figure 66-15](#), to **3. Select Device Groups**.

Figure 66-15 Device Group Selection

Step 11 From the resulting window, check the check box(es) for each device group you want to select. Then click **Select**.

Step 12 You return to [Figure 66-15](#) with the added device groups. Repeat [Step 10](#) to [Step 11](#) to **add** more device groups; delete device groups, as explained in [Step 13](#); or proceed by going to [Step 15](#).

Step 13 To delete device groups, check the check box(es) for the devices you want to delete in [Figure 66-15](#) and then click **Delete**. Select carefully, because there is no chance to confirm this deletion.

- Step 14** When you have all the device groups you want, click **Next**. You proceed to **4. Reload Devices Summary**, starting in [Step 15](#).
- Step 15** For **4. Reload Devices Summary**, a window as shown in [Figure 66-16](#).

Figure 66-16 Reload Summary

Device Console - Reload: Reload Devices Summary

Choose Operation Select Devices Select Device Groups Reload Devices Summary

Reload Summary	
Devices:	pe2
Device Groups:	Device Group 2

Back Next Finish Cancel

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- Step 16** Click **Back** until you correct any information you want to change or click **Finish** to submit the reload and you receive a window with the **Reload Results** and a **Status** with a green check mark for **Succeeded**.
- Step 17** Click **Finish** and you return to [Figure 66-1](#).

