



## CHAPTER 2

# Manage Control Center

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This chapter explains how to view and change the properties in the Dynamic Component Properties Library (DCPL); how to view status information about a host, servers, the WatchDog, and logs; how to define collection zones; and how to install license keys.

This chapter contains the following sections:

- [Hosts, page 2-1](#)
- [Licensing, page 2-5](#)
- [Reporting Mechanism, page 2-6](#)

## Hosts

**Hosts** allows you to manage the various servers. To access Hosts:

Choose **Administration > Control Center > Hosts**.

The Control Center Hosts window appears.



### Note

Only the **Logs** buttons are enabled by default when there is no host selected. When the host is selected by checking the check box, the Logs buttons is disabled and the other buttons are enabled.

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Click any of the buttons and proceed as follows:

- [Details, page 2-1](#)—Available only when the host system is chosen.
  - [Config, page 2-2](#)—Available only when the host system is chosen.
  - [Servers, page 2-3](#)—Available only when the host system is chosen.
  - [Watchdog, page 2-4](#)—Available only when the host system is chosen.
  - [Logs, page 2-5](#)—Available only when no host system selection is made.
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## Details

For details about a chosen host, follow these steps:

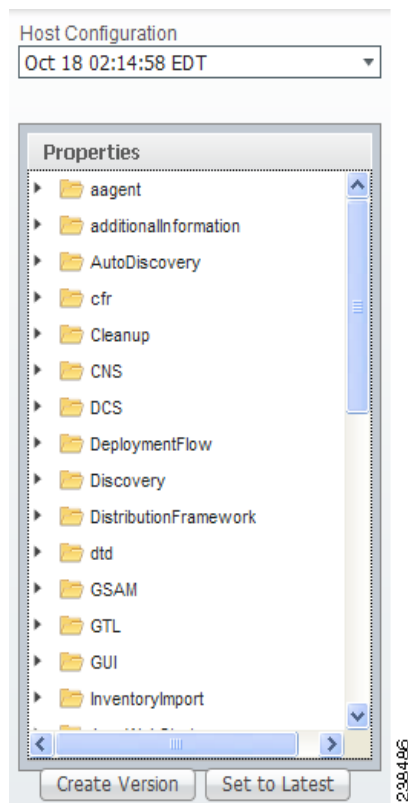
- 
- Step 1** Choose a host by checking the check box to the left of the hostname and then click the **Details** button. The Host Details window appears. This shows the details about the chosen host.
- Step 2** Click **OK** to return to the **Control Center Hosts** window.
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## Config

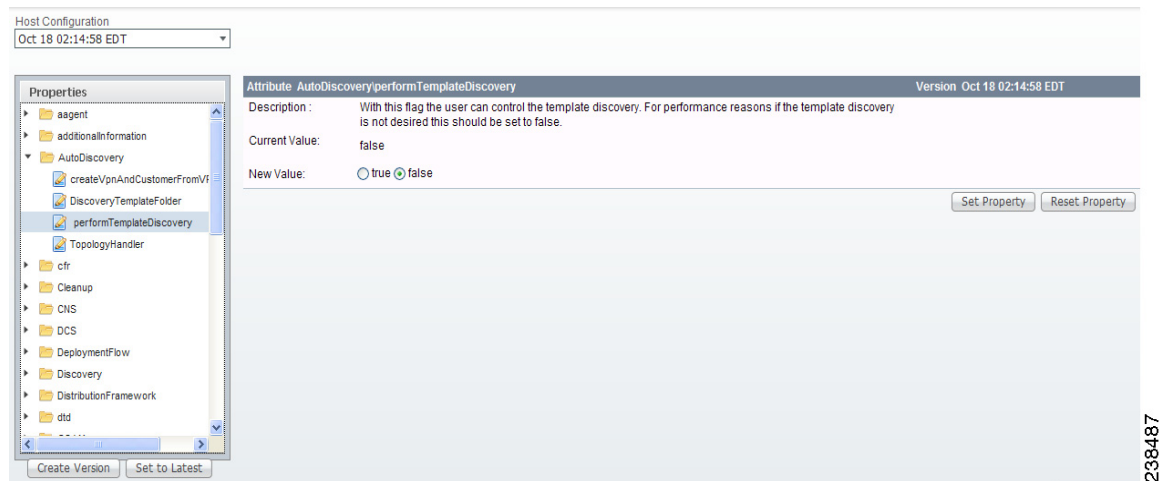
To view or change the Dynamic Component Properties Library (DCPL) properties, follow these steps:

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- Step 1** From the Control Center Hosts window, check a check box next to a hostname for which you want to know the existing properties and then click the **Config** button.
- A window as shown in [Figure 2-1](#), appears. It is a list of all the folders with all the properties. Select each property to view the explanations, defaults, and ranges/rules. If you do not know the property name, you can use a key word and do a Find.

**Figure 2-1 Properties**



- Step 2** Click the arrow to expand each folder. The result could be more subfolders and the final level is the property name.
- Step 3** Click on an entry to get details and instructions on how to change the value, as shown in the example in [Figure 2-2](#).

**Figure 2-2 Properties Detail Example**

- Step 4** For each property that can be modified, you can modify the value and click **Set Property**. If when making your modifications, you want to return to the previous settings, click **Reset Property**.
- Step 5** After making all the changes you choose in each of the specific properties, you can click **Create Version** to create a new version of these properties. This feature gives you the option of saving multiple property sets for future use.
- Step 6** To view the values of previous versions of property sets, click the drop-down list on top of the window and select any version you choose.
- Step 7** When you click **Set to Latest** after selecting a version in [Step 6](#), this version is dated as the most current.
- Step 8** To return, click to the navigation path you want to use next.

## Servers

To view the status information about the servers, follow these steps:

- Step 1** From the Control Center Hosts window, check a check box next to a hostname for which you want to know the server statistics and then click the **Servers** button.

A window as shown in [Figure 2-3](#), appears.

**Figure 2-3 Servers**

#	<input type="checkbox"/> Name	State	Generation	Start Time	Successful Heartbeats	MissedHeartbeats
1	<input type="checkbox"/> nspoller	started	1	Oct 24 01:29:59 PM EDT	17682	0
2	<input type="checkbox"/> dbpoller	started	1	Oct 24 01:29:59 PM EDT	17830	0
3	<input type="checkbox"/> httpd	started	1	Oct 24 01:30:05 PM EDT	17703	0
4	<input type="checkbox"/> rgserver	disabled	10	Oct 24 01:38:29 PM EDT	0	0
5	<input type="checkbox"/> cnsserver	started	1	Oct 24 01:30:05 PM EDT	17645	0

Showing 1 - 5 of 5 records

Rows per page: 10 Page 1 of 1

Start Stop Restart Logs OK

- Step 2** Check any one check box next to the server you want to address and you have access to **Start**, **Stop**, **Restart**, and **Logs**. When you click on a specific server name or the Logs button, you get a list of server logs. If you then click on the log name for which you want details, the log viewer appears. You can filter this information in the log viewer. After you complete the task of your choice, you return to [Figure 2-3](#).
- Step 3** You can click a different server and click the button for the process of your choice. Or you can unclick the server choice and click **OK**.
- Step 4** After you click **OK** in [Figure 2-3](#), you return to the Control Center Hosts window.

## Watchdog

To view the log information about WatchDog, follow these steps:

- Step 1** From the Control Center Hosts window, check a check box next to a hostname for which you want to know the WatchDog logs and then click the **Watchdog** button.
- A window as shown in [Figure 2-4](#), “WatchDog Logs,” appears.

**Figure 2-4 WatchDog Logs**

Name	Size	Last Modified
<a href="#">watchdog.0</a>	768312	Friday, November 18, 2011 4:53:29 AM EST
<a href="#">watchdog.1</a>	2000291	Thursday, November 17, 2011 10:28:12 PM EST

OK

- Step 2** Click on a specific WatchDog log name in the **Name** column to get the contents of that log. You can filter the information in this log. Click **OK** to return to [Figure 2-4](#).
- Step 3** You can repeat the process in [Step 2](#) or click **OK** to return to the Control Center Hosts window.

## Logs

To view install and uninstall logs for the Master server, follow these steps:

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- Step 1** From the Control Center Hosts window, be sure that no check boxes are checked.
- Step 2** Click the **Logs** drop-down list and select **Install** or **Uninstall**.
- The window that appears is the log of installations or uninstallations, dependent on your selection in [Step 2](#).
- Step 3** Click the link in the **Name** column to view the detailed log information.
- Step 4** Click **OK** to return to the window.
- Step 5** Click **OK** again to return to the Control Center Hosts window.
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## Licensing

**Licensing** is where you install license keys, which is the only way to access services and APIs. The full version license key that is delivered, provides unlimited activation and unlimited VPNs and optional set of TEM activation license keys separately. To access Licensing:

Choose **Administration > Control Center > Licensing**.

To install license keys, follow these steps:

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- Step 1** Choose **Administration > Control Center > Licensing**, and a window as shown in [Figure 2-5](#), appears.

**Figure 2-5** Choose Administration > Control Center > Licensing

Installed Licenses			
Type	Size	Usage	Date Updated
ACTIVATION	50000	7	2011-11-18 04:44
API-L2VPN			2011-11-18 04:44
API-L3MPLS			2011-11-18 04:44
API-SEC			2011-11-18 04:44
FIREWALL			2011-11-18 04:44
IPSEC			2011-11-18 04:44
L2VPN		3	2011-11-18 04:44
L3MPLS/VPN		4	2011-11-18 04:44
MPLS DIAG			2011-11-18 04:44
NAT			2011-11-18 04:44
QOS			2011-11-18 04:44
TE	150	8	2011-11-18 04:44
TE/BRG			2011-11-18 04:44
TE/RG			2011-11-18 04:44
VPLS			2011-11-18 04:44
VPN	Unlimited	16	2011-11-18 04:44

Refresh Install

- Step 2** From the **Installed Licenses** table, click the **Install** button, as shown in [Figure 2-5](#). The Installed Licenses table explains the current statistics. The columns of information tell the **Type** of license keys you have installed (which can include ACTIVATION, API-L2VPN, API-L3MPLS, L2VPN, L3MPLS/VPN, MPLSDIAG, TE, TE/BRG, TE/RG, VPLS, VPN); the **Size**, which is valid for the **ACTIVATION** (licensed maximum global count of services), **TE** (number of TE-enabled nodes), or the **VPN** (maximum number of VPNs licensed); the **Usage**, which gives the number currently used for the rows; and the **Date Updated**, which reflects the refresh of the license usage (on an hourly basis, by default).

**Note**

When you purchase a full version license key all features except TE, TE/BRG, TE/RG are activated with unlimited activation and unlimited VPNs.

**Note**

The TE licenses can be purchased separately based on the number of nodes/devices available in the inventory. The total number of devices and corresponding device type, IOS/XR version, and platform info is reported by utilizing the reporting mechanism available with the product. Refer [Reporting Mechanism, page 2-6](#) for the details of executing a reporting mechanism. When you purchase Traffic Engineering Management (TEM), you automatically receive **TE**, **TE/BRG**, and **TE/RG** licenses. All of these licenses *must* be installed to have access to all the Cisco Prime Provisioning TEM features, including Planning Tools for protection planning (backup tunnels). The **TE** license serves as an activation license for the maximum number of TE-enabled nodes to be managed by TEM (you purchase licenses and upgrade licenses based on a range of nodes); the **TE/RG** license enables primary tunnel placement; and the **TE/BRG** license enables the Fast ReRoute (FRR) protection function

- Step 3** In the resulting Enter License Key window, enter a **License Key** that you received on your *Right to Use* paperwork with your product.

- Step 4** Click **Save**.

Your newly installed license appears in an updated version of the Installed License table, as shown in [Figure 2-5](#).

- Step 5** Repeat [Step 2](#), [Step 3](#), and [Step 4](#) for each of the *Right to Use* documents shipped with your product.

**Note**

Upgrade licenses are only available for TE and when you receive multiple Right to Use documents to upgrade TE, be sure to enter the licenses in correct order. For example if you are upgrading from 100 to 200 TE node counts there are two step to upgrade, enter the license to upgrade to 100 to 150 and then enter license key to upgrade from 150 to 200

## Reporting Mechanism

Reporting mechanism is a tool used to export the devices available in the inventory. The report includes device name, device type, platform, and IOS/IOS XR version.

To execute the reporting tool:

- Step 1** Source the environment from provisioning home directory.

```
./prime.sh shell
```

- Step 2** Make sure, necessary execute permissions are available for the following files:

```
<PRIMEF_HOME>/resources/nbi/scripts/getDevices  
<PRIMEF_HOME>/resources/nbi/scripts/queries/DevicesQuery  
<PRIMEF_HOME>/resources/nbi/scripts/util/Login  
<PRIMEF_HOME>/resources/nbi/scripts/util/checkForErrors
```

**Step 3** Execute the following script from <PRIMEF\_HOME>/resources/nbi/scripts  
**./getDevices**

**Step 4** The resulting report can be found in <PRIMEF\_HOME>/resources/nbi/scripts/Devices\_Info.csv.

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