

Cisco CNS Configuration Engine Administration for External Directory Mode

This chapter describes the Cisco CNS Configuration Engine administration tasks for External Directory mode including information about:

- How to Log In and Out of the System
- How to View, Re-synchronize, and Update Devices
- Tools

How to Log In and Out of the System

You can connect to the system by means of:

- Telnet
- System console

How to Log In

To log into the system, follow these steps:

Step 1 Launch your web browser.

This user interface is best viewed using Microsoft Internet Explorer, version 5.5 or later.

Step 2 Go to the Cisco CNS Configuration Engine URL.

For example: http://<ip_address>/config/login.html



If encryption is set during Setup (see "Encryption Settings" section on page 2-6), use https://<ip_address>/config/login.html.

The login window appears (see Figure 4-1).

		User Login
All centents copyright & 2001 Cisco Systems, Inc. 001202-10404		Please enter user ID and Pasyword. User D Pasyword Ausword
	All contents copyright 9 2001	Cisco Systems; Inc. 061202-1040*

Figure 4-1 Logging In to the Configuration Server

Step 3 Enter your User ID.

This is the user name for the Cisco CNS Configuration Engine administrative account that you entered during **Setup**.

- **Step 4** Enter your password.
- Step 5 Click LOGIN.

The Cisco CNS Configuration Engine Home page for External Directory mode appears (see Figure 4-2).

Figure 4-2 Cisco CNS Configuration Engine External Directory Mode Home Page

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Configuration E	Engine sector and the
Home	Devices Tools Logout
Important Instructions:	Configuration Engine Service Overview
 Do NOT use the browser Back and Forward buttons. Please navigate using the links in 	Devices Device Management: VirwRaym: device/Update device.
the pages.	Tools DATScheduleBackup/View Logs/View Temphate/Security Managment
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How to Log Out

To log out of the system, click the Logout button.

How to View, Re-synchronize, and Update Devices

To view, re-synchronize, and update devices, from the Home page, click **Devices**. The Devices page appears (see Figure 4-3).

Figure 4-3 Devices Page

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Configuration	Engine "	CITED BIT	llu
Home	Devices	Tools	gout
View Device Resync Device Update	Device	es Functional Overview	
		View Device	
	٥	View the configuration for an existing device as it appears on the configuration server. Note that this is not a view of the device configuration.	
	•	Resync Device	
		Allow the UNS parsword on the device to be resynchronized by ignoring the next parsword.	
	0	Update Send an updated version of the configuration to the selected device.	
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How to View Device Configuration

To view a device configuration, follow these steps:

o 1	From the Home page (Figure 4-2), click on the Devices tab.
o 2	From the Devices Functional Overview page (Figure 4-3), click View Device.
	The Device List page appears.
o 3	Click on the icon for the device configuration you wish to view.
	The Configuration for that device appears.
 ote	The device configuration displayed is the configuration as it appears at the configuration server. It may not be the configuration running on the device.

How to Re-synchronize a Device

To re-synchronize a device, follow these steps:

Step 1	From the Home page (Figure 4-2), click on the Devices tab.
Step 2	From the Devices Functional Overview page (see Figure 4-3), click Resync Device.
Step 3	From the Device Selection page, click on the icon for the device you wish to re-synchronize.
Step 4	To return to the main menu, click on the Devices tab.

How to Update a Device Configuration

To send an updated version of the configuration to a device, or group of devices, follow these steps:

From the Home page	e (Figure 4-2), click on the Devices tab.	
From the Devices Fu	unctional Overview page (Figure 4-3), click Update.	
The Device Update	List page appears.	
Click on the check b	ox next to the icon for the device(s) or group(s) you wish	to update.
Click Next.		
The update task dial	og box appears (see Figure 4-4)	
Figure A-A Undete	Task	
The following De cn=t120r,ou=CNSDevice:	vices have been selected to send events: s,ou=ie2100-techdoc,o=cisco,c=us Config Action: © Write © Persist	
The following De cn=t120r,ou=CNSDevice:	vices have been selected to send events: s,ou=ie2100-techdoc,o=cisco,c=us Config Action:	
The following De cn=t120r,ou=CNSDevice:	vices have been selected to send events: s,ou=ie2100-techdoc,o=cisco,c=us Config Action: © Write © Persist © Syntax Check Update Device via Event	
The following De cn=tl20r,ou=CNSDevices	vices have been selected to send events: s,ou=ie2100-techdoc,o=cisco,c=us Config Action: • Write • Persist • Syntax Check Update Device via Event	
The following De cn=tl20r,ou=CNSDevices Choose the Config A Click Update Devic	vices have been selected to send events: s,ou=ie2100-techdoc,o=cisco,c=us Config Action: • Write • Persist • Syntax Check Update Device via Event Action and Syntax Check tasks you require. e via Event.	
The following De cn=tl20r,ou=CNSDevices Choose the Config A Click Update Devic A screen appears sho	Action and Syntax Check tasks you require. e via Event. by the event that has been sent to the selected device.	
The following De cn=tl20r,ou=CNSDevices Choose the Config A Click Update Devic A screen appears sho To return to the main	Action and Syntax Check tasks you require. e via Event. by wing the event that has been sent to the selected device. a menu, click on the Devices tab.	

Tools

To use the tools feature, from the Home page, click on the **Tools** tab.

The Tools page appears (see Figure 4-5).

From the Tools page, you can access the following functions:

- DAT
- Schedule Backup
- View Logs
- View Templates
- Security Manager
- Manage Disk Space

Figure 4-5 Tools Functional Overview

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Configuration	Engine "sm		Cisco Systems
Home	Devices	Tools	Logout
DAT ScheduleBackup New Logs View Template Security Mgr.) Aanage Disk Space	Tools Fu	INCTIONAL OVERVIEW	
	0 ⁴ I	ScheduleBackup trovide information for scheduling data backups	
	• [•]	/lew Logs liew Log Bles.	
	•	/lew Template liew the context of the template file.	
	• •	Security Mgr. Gools to manage security to the Devices.	
	•	Aanage Disk Space Aanage Disk Space by setting up E-Mail notification.	

How to Use DAT

To connect to the user interface for the Directory Administration Tool (DAT), follow these steps:

- **Step 1** From the Home page (Figure 4-2), click on the **Tools** tab.
- Step 2 From the Tools Functional Overview page (Figure 4-5), click DAT. The DAT login window appears (see Figure 4-6).

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User Login Care to use User and Password User D Parsword Durawed Durawed Market roopsgeld voor flows ynter.	

Figure 4-6 Directory Administration Tool Login Window

Step 3 Enter your User ID.

This is the LDAP proxy user name for the Cisco CNS Configuration Engine administrative account that you entered during **Setup**.

- **Step 4** Enter your LDAP proxy password.
- Step 5 Click LOGIN.

The Directory Administration Tool Home page appears (see Figure 4-7).

Figure 4-7 DAT Home Page

Directorr Admini	Srab Erter al en
Home Devices Groups	Applications Setup Bulk Data IMGW Logou
Important Instructions:	Directory Administration Tool Overview
 b. Do NOT use the browser back and Forward buttons. p. Please navigato using the links in the pages. 	Devices Device Management View/AddModByDelete Device. Group Management View/AddModByDelete Group. Applications Applications Setup Setup Setup Setup Bulk Data Bulk Data Bulk Data MGW MGW MGW Device Management: View/AddModByDelete IMGW Device.

Step 6 From here, go to Chapter 5, "Directory Administration Tool" and follow the procedures for the tasks you want to run.

How to Schedule Data Backup

To schedule data backup, follow these steps:

- Step 1 From the Home page (Figure 4-2 on page 4-2), click on the Tools tab.
- Step 2 From the Tools Functional Overview page (Figure 4-5 on page 4-5), click ScheduleBackup.The backup information dialog box appears (see Figure 4-8).

Figure 4-8 Backup Schedule Parameters

FTP Server name	
(This is the server name, where all the backup files will be put.)	
Username	
(Username to login to Backup FTP server.)	
Password	
(Password to login to Backup FTP server.)	
Directory	
(This is the subdirectory where the files will be put. Absolute path is required.)	
Enable Log File Management	No 🔽
(When enabled, log files will be backed up on the server and deleted from the IE2100.)	
Backup Schedule	Daily At 00:00 (hh:mm)
(At the designated time (hh:mm) on a	○ Weekly every Saturday ▼ At 00:00 (hh:mm)
specified day, the background scripts will run as a cron job)	C Monthly on day 1 🔽 At 00:00 (hh:mm)

BACKUP SCHEDULE PARAMETERS

- Step 3 To specify where you want the backup data to be stored, enter the FTP server name in the FTP Server Name field.
 Step 4 To specify the username to log into the FTP server, enter a valid username in the Username field.
- **Step 5** To specify the password to use to log into the FTP server, enter a valid value in the **Password** field.

Backup

Cancel

- **Step 6** To specify the subdirectory where the data file is put, enter the absolute path in the **Directory** field.
- **Step 7** Choose whether to **Enable Log File Management**.
- **Step 8** To specify the backup schedule, complete the fields in the **Backup Schedule** pane.

Note The time base for the CNS 2100 Series system should be set to Coordinated Universal Time (UTC).

- **Step 9** To cancel the backup operation, click **Cancel**.
- **Step 10** To start the backup operation, click **Backup**.

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Step 11 To return to the main menu, click on the Tools tab.

For more information about backup and restore, see "Backup and Restore" section on page 3-54.

How to View Logs

To view various log files, follow these steps:

- **Step 1** From the Home page (Figure 4-2), click on the **Tools** tab.
- Step 2 From the Tools Functional Overview page (Figure 4-5), click View Logs. The View Log Files dialog box appears (see Figure 4-9).

Figure 4-9 Log File Viewer

View Log Files



- **Step 3** Choose the log file you want to view.
- **Step 4** Set the number lines you want to display.
- **Step 5** To limit the report to display only specific entries, set a case-sensitive keyword filter, or leave blank.
- Step 6 Click View.

A report displays (for an example see Figure 4-10).

Step 7 To return to the main menu, click on the **Tools** tab.

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Figure 4-10 Log File

Filename: /opt/CSCOcnsie/logs/cns_cs.log

[Feb 6, 2001, 7:52:03 PM] Device: [operator1] created, template filename: [(1)]. [Feb 7, 2001, 10:34:07 PM] Device: [WestOne] created, template filename: [DemoRouter.cfgtpl].

How to View a Template

To view the content of the template file, follow these steps:

- Step 1 From the Home page, click on the Tools tab.
 Step 2 From the Tools Functional Overview page, click View Template. The Template page appears (see Figure 4-11).
 Step 3 Click on the icon for the template file you wish to view. The template file appears.
- **Step 4** To return to the main menu, click on the **Tools** tab.

Figure 4-11 Template List



Security Manager

With the security manager tool you can change the bootstap password.

The bootstrap password is used to authenticate a Cisco IOS device before it connects to the Event Gateway. For additional information see "Authentication settings" section on page 2-7)

To use the security manager tool, from the Tools Functional Overview page, click **Security Mgr**. The Security Manager page appears (see Figure 4-12).

Figure 4-12 Security Manager

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Configuration	Engine
Home	Devices Tools Logout
BootStrap	Security Manager Functional Overview
	Coarge the Bootstrap Pasyword
	34078

How to Change Bootstrap Password

To change the bootstrap password, follow these steps:

- **Step 1** From the Home page, click on the **Tools** tab.
- Step 2 From the Tools Functional Overview page, click Security Mgr.
- **Step 3** From the Security Manager Functional Overview page, click **BootStrap**.

The Change Bootstrap Password page appears (see Figure 4-13).

	Configuration Engine
	None Devices Tools Logort BootEtrap Change Bootstrap Password Logort Note: An empty string is considered a valid bootstrap password. Note: An empty string is considered a valid bootstrap password.
	Action for devices that have not had their initial registration.
	DK Reset
	6,098
Step 4	In the password dialog box, enter the new password.
Step 5	Confirm the new password.
Step 6	Choose (Keep , Update radio buttons) the subsequent action to the database regarding any password that is equal to the bootstrap password.
Step 7	To clear all entries, click Reset .
Step 8	To save the new password, click OK .

Figure 4-13 Change Bootstrap Password

Step 9 To return to the main menu, click on the **Tools** tab.

How to Manage Disk Space

To setup disk space e-mail notification of disk space usage, follow these steps:

- **Step 1** From the Home page, click on the **Tools** tab.
- Step 2 From the Tools Functional Overview page, click Manage Disk Space.The Setup Disk Space Notification dialog box appears (see Figure 4-14).

Figure 4-14 Disk Space Notification

Setup Disk Space Notification

Set notification percentage:	85
E-Mail Ids for notification: (Use comma seperated E-Mail Ids.)	
Save	

Step 3 Set the notification percentage to the value that triggers an e-mail notification.

Step 4 Set the appropriate e-mail address for notification e-mail.

- **Step 5** To save these entries, click **Save**.
- **Step 6** To return to the main menu, click on the **Tools** tab.