



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

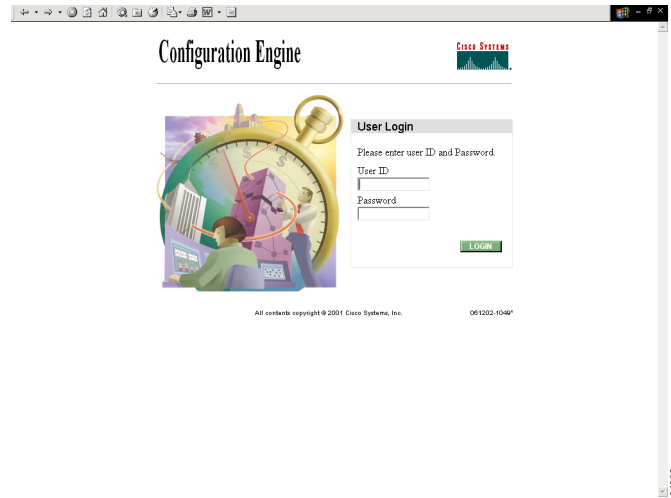
To log into the system, follow these steps:

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- 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`**



Note 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](#)).

Figure 4-1 Logging In to the Configuration Server

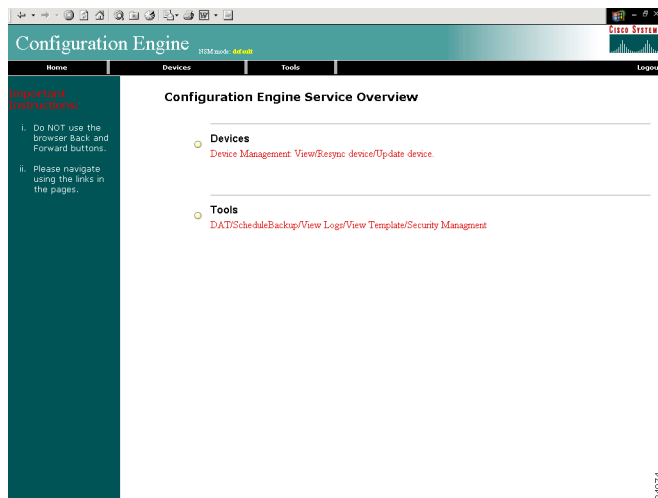
Step 3 Enter your **User ID**.

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

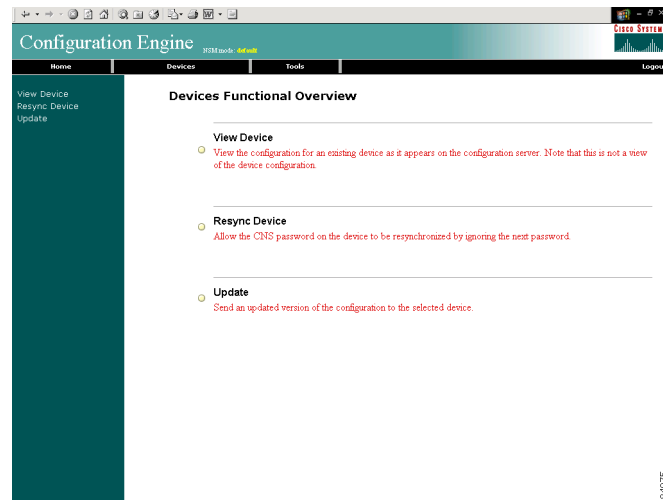
How to Log Out

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*



How to View Device Configuration

To view a device configuration, follow these steps:

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- Step 1** From the Home page ([Figure 4-2](#)), click on the **Devices** tab.
- Step 2** From the Devices Functional Overview page ([Figure 4-3](#)), click **View Device**.
The Device List page appears.
- Step 3** Click on the icon for the device configuration you wish to view.
The Configuration for that device appears.



Note The device configuration displayed is the configuration as it appears at the configuration server. It may not be the configuration running on the device.

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- Step 4** To return to the main menu, click on the **Devices** tab.
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How to Re-synchronize a Device

To re-synchronize a device, follow these steps:

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- 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:

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- Step 1** From the Home page (Figure 4-2), click on the **Devices** tab.
 - Step 2** From the Devices Functional Overview page (Figure 4-3), click **Update**.
The Device Update List page appears.
 - Step 3** Click on the check box next to the icon for the device(s) or group(s) you wish to update.
 - Step 4** Click **Next**.
The update task dialog box appears (see Figure 4-4)

Figure 4-4 Update Task

The following Devices have been selected to send events:

cn=t120r,ou=CNSDevices,ou=ie2100-techdoc,o=cisco,c=us

Config Action: ☒ Write ☐ Persist

☐ Syntax Check

Update Device via Event

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- Step 5** Choose the **Config Action** and **Syntax Check** tasks you require.
 - Step 6** Click **Update Device via Event**.
A screen appears showing the event that has been sent to the selected device.
 - Step 7** To return to the main menu, click on the **Devices** tab.
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Tools

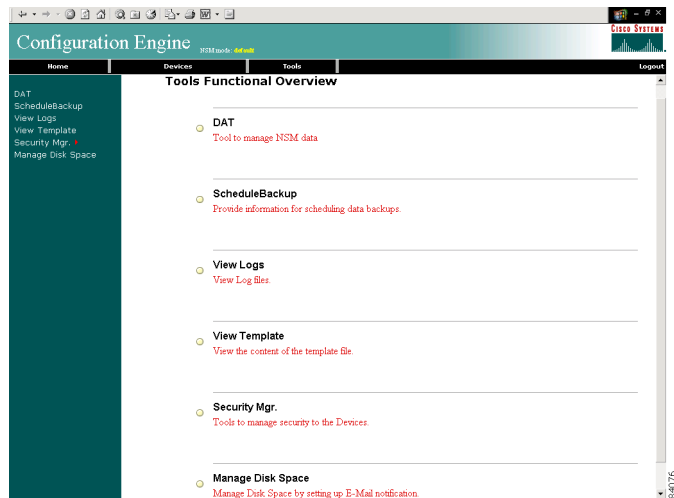
To use the tools feature, from the Home page, click on the **Tools** tab.

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

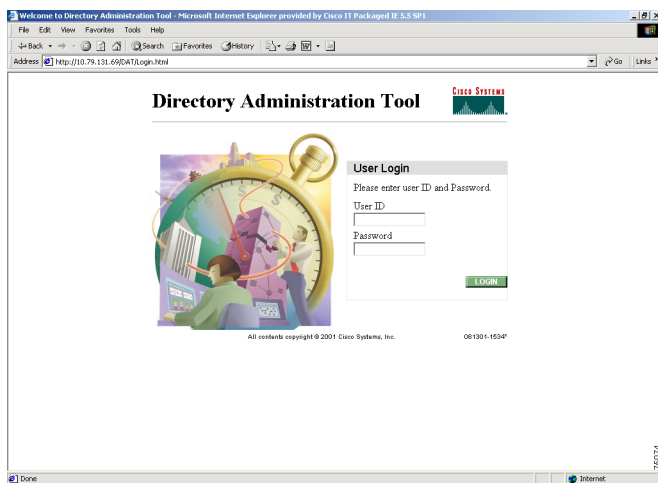
Figure 4-5 Tools Functional Overview



How to Use DAT

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

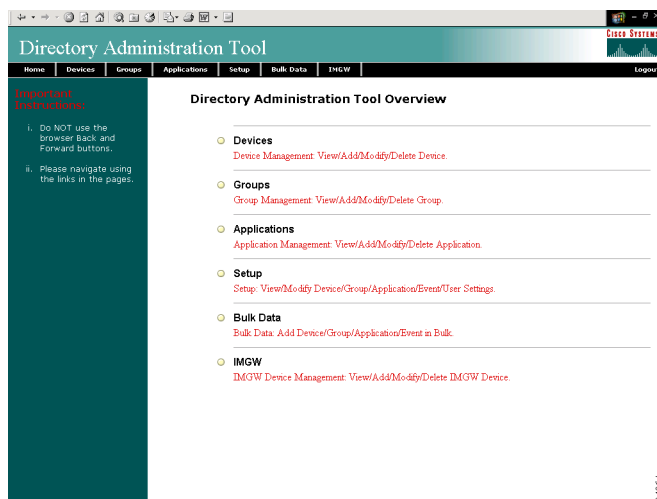
-
- Step 1** From the Home page (Figure 4-2), click on the **Tools** tab.
- Step 2** From the Tools Functional Overview page (Figure 4-5), click **DAT**.
- The DAT login window appears (see Figure 4-6).

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**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

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 (When enabled, log files will be backed up on the server and deleted from the IE2100.)	No
Backup Schedule (At the designated time (hh:mm) on a specified day, the background scripts will run as a cron job)	☒ Daily At 00:00 (hh:mm) ☐ Weekly every Saturday At 00:00 (hh:mm) ☐ Monthly on day 1 At 00:00 (hh:mm)

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- 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.
- 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**.

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](#).

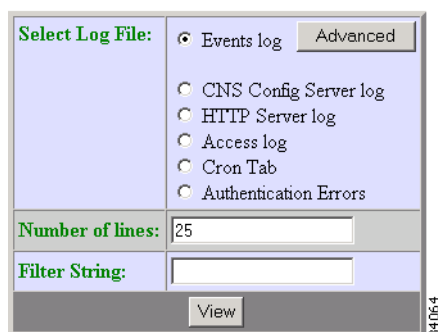
How to View Logs

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/CSCOensie/logs/cns_cs.log**

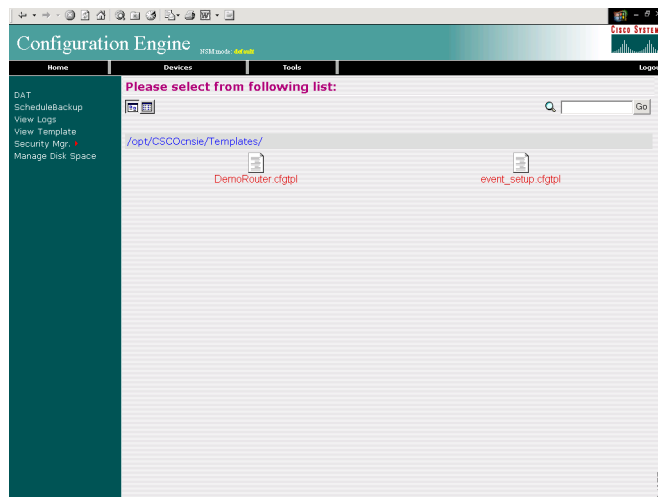
```
[ Feb 6, 2001, 7:52:03 PM ] Device: [operator1] created, template filename: [{1}].
[ Feb 7, 2001, 10:34:07 PM ] Device: [WestOne] created, template filename: [DemoRouter.cfgtpl].
```

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How to View a Template

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

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- 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.
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Figure 4-11 Template List

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Security Manager

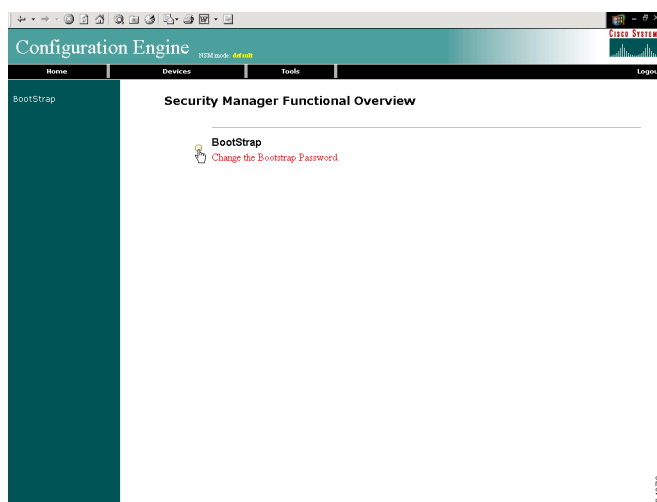
With the security manager tool you can change the bootstrap password.

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



How to Change Bootstrap Password

To change the bootstrap password, follow these steps:

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- 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](#)).

Figure 4-13 Change Bootstrap Password

- 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**.
- 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

- 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.
