



Using Shell Commands

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General Administration

This section describes how to execute common administration tasks such as changing your password, stopping and starting services, generating log and report data, as well as other common system administration tasks.

Examining the Version Information

You can verify the Cisco UCS Director version and build number by choosing Show Version. This information is required for debugging purposes.

Step 1

From the Cisco UCS Director Shell menu choose Show Version and press Enter.

Information similar to the following is displayed:

```
Cisco UCS Director Platform
-----
Version      : 5.4.0.0
Build Number : 22
Press return to continue ...
```

Step 2 Press Enter to complete the process.

Changing Your Password

You can change your Cisco UCS Director shell password by choosing Change ShellAdmin password.

Step 1 From the **Cisco UCS Director Shell** menu, choose Change ShellAdmin password and press Enter. The following information is displayed:

```
Changing password for user shelladmin.
New UNIX password:
```

Step 2 Enter your new UNIX password and press the **Enter** key.

Step 3 Enter your new UNIX password once again and press the **Enter** key. The following information is displayed:

```
passwd: all authentication tokens updated successfully. Press return to continue...
```

Synchronizing the System Time

You can synchronize the system time to the hardware time and the NTP server by choosing Time Sync.

Step 1 From the Cisco UCS Director Shell menu, choose Time Sync.

Step 2 Press Enter.
The following information is displayed:

```
Time Sync.....
System time is Tue Oct 27 11:26:44 UTC 2015
Hardware time is Tue Oct 27 11:26:44 2015 -0.345445 seconds
Do you want to sync systemtime [y/n]? n
Do you want to sync to NTP [y/n]? y
Enter NTP server to sync time with: 10.64.58.50
```

Step 3 Enter the NTP server hostname or IP address, and press Enter to synchronize to the NTP server.
The following information is displayed:

```
ntpd (pid 2893) is running...
Shutting down ntpd: [ OK ]
27 Oct 11:17:25 ntpdate[1476]: step time server 10.64.58.50 offset -605.971324 sec
Synchronized time with NTP server '10.64.58.50'
Added NTP server '10.64.58.50' to /etc/ntp.conf
Starting ntpd: [ OK ]
synchronised to NTP server (10.64.58.50) at stratum 3
time correct to within 8145 ms
polling server every 64 s
Press return to continue ...
```

Once you have entered an NTP server hostname or IP address, it is added to the list of available NTP servers for future synchronization.

Step 4 Press the Enter key to complete the process.

Applying a Patch to Cisco UCS Director

Choose this option to apply a patch to the appliance.



Note The patch file (zip file) is provided by Cisco UCS Director. Before applying a patch:

- Review the patch release notes and the Readme file.
 - Take a snapshot of your VM.
 - Make a backup of your database prior to taking the patch. The Apply Patch option lets you to make a backup as part of the Apply Patch procedure; but the best practice is to create a backup immediately before using the Apply Patch option.
 - Stop the appliance services.
-

Before You Begin

- Download the patch file
 - Place the file in a web server or FTP server
 - Choose Apply Patch from the Cisco UCS Director Shell menu
 - Provide patch URL (<http://WebServer/TestPkg.zip>)
-

Step 1 From the Cisco UCS Director Shell menu, choose Apply Patch and press Enter. The following information is displayed:

```
Applying Patch...
Do you want to take database backup before applying patch (y/n)?
```

Step 2 If you entered y, enter the requested FTP server IP address and login data, then press Enter.

```
Y
Backup will upload file to an FTP server.
Provide the necessary access credentials.
  FTP Server IP Address:
  FTP Server Login:
```

Step 3 If you entered n, enter the patch IP address and press Enter.

```
n
```

```
Applying Patch:
Patch URL: http://xxx.xxx.x.xxx/TestPkg.zip
```

```
Applying the Patch http://xxx.xxx.x.xxx/TestPkg.zip [y/n]? y
```

Note Refer to the Readme file for information about the patches.

- Step 4** If you are prompted to confirm that you want to apply the patch, enter y, then press Enter. Follow the onscreen prompts to complete the process.
-

What to Do Next

After the patch is applied, start the services on the appliance using the Start Services option.

Shutting Down the Appliance

Choose this option to shut down a Cisco UCS Director appliance.

- Step 1** From the Cisco UCS Director Shell menu, choose the Shutdown Appliance option and press the **Enter** key. The following information displays:

```
Do you want to Shutdown appliance [y/n] ?:
```

- Step 2** Enter y to shut down the appliance. The following information is displayed:

```
Broadcast message from root (pts/0) (Thu Sep 15 13:34:33 2013)
```

```
The system is shutting down NOW!
```

- Step 3** Press the **Enter** key to return to the main menu.
-

Rebooting an Appliance

Choose this option to reboot a Cisco UCS Director appliance.

- Step 1** From the Cisco UCS Director Shell menu, choose the Reboot Appliance option and press the **Enter** key. The following information displays:

```
Do you want to Reboot appliance [y/n] ?:
```

- Step 2** Enter y to reboot the appliance. The following information is displayed:

```
Rebooting the Cisco UCS Director Appliance...
```

```
Broadcast message from root (pts/5) (Wed Sep 18 13:12:06 2013):
```

```
The system is going down for reboot NOW!  
Rebooting successful  
Press return to continue...
```

Step 3 Press the **Enter** key to return to the main menu.

Using a Multi-Node Setup

The multi-node setup is supported for Cisco UCS Director on VMware vSphere only. With a multi-node setup, you can scale Cisco UCS Director to support a larger number of VMs than is supported by a single installation of Cisco UCS Director. This setup has the following nodes:

- One primary node
- One or more service nodes
- One monitoring database
- One inventory database



Note

For a multi-node setup, you have to install the license on the primary node only.

A multi-node setup improves scalability by offloading the processing of system tasks, such as inventory data collection, from the primary node to one or more service nodes. You can assign certain systems tasks to one or more service nodes. The number of nodes determines how the processing of system tasks is scaled.

Node pools group service nodes and enable you to assign system tasks to more than one service node. If one service node is busy when a system task needs to be run, Cisco UCS Director uses a round-robin assignment to determine which service node should process the system task. If all, service nodes are busy, you can have the primary node run the system task.

For more information about how to configure the primary node and service nodes, and how to assign system tasks, see the [Cisco UCS Director Multi-Node Installation and Configuration Guide](#)

