

# **Backup and Restore**

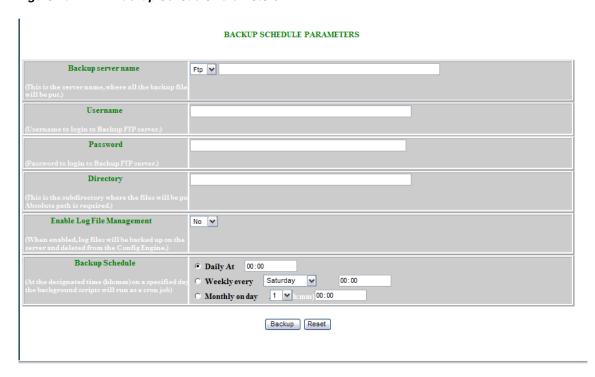
This chapter describes Backup and Restore management tasks. The Backup and Restore function allows you to backup directory data (configuration templates, device and user information, and so forth) to a remote location.

## **Backup Procedure**

- **Step 1** Log into the Cisco Configuration Engine user interface.
- Step 2 Go to Tools > Data Manager > Schedule Backup.

The backup information dialog box appears (see Figure 20-1).

Figure 20-1 Backup Schedule Parameters



Step 3 Use the drop-down arrow to select FTP, or TFTP.



Note If you select TFTP, the Username, Password, and Directory fields are disabled.

Step 4 To specify where you want the backup data to be stored, enter the FTP server name in the FTP Server Name field.



To edit or remove a scheduled backup job, enter the **crontab-e** command.

Table 20-1 shows valid values for these fields.

Table 20-1 Valid Values for Backup Schedule Parameters

Attribute	Description	Valid Values
FTP/TFTP	Select FTP or TFTP type.	From drop-down
	When you select TFTP server, the Username, Password and Directory fields are disabled because the TFTP server does not require a username and password, and all the files will go into the TFTP root directory. The file name format is backup-cnsce-\$HOST-\$DATE-\$(date +%H%M).tar.gz (ex:backup-cnsce-myCE-2 0100202-1843.tar.gz).	
Server name	Server name where all backup files will be put.	a-z A-Z 0-9 -(hyphen) _ (under-score) . (period)
Username	Login username for the FTP server.	a-z A-Z 0-9 -(hyphen) _ (under-score) . (period)
Password	Password for FTP server.	
Directory	Subdirectory into which all backup files will be put.	Absolute path
Enable Log File Management	determines whether files will be deleted from host system after backup.	From drop-down list
Backup Schedule	Date and time fields.	As required

- **Step 5** To specify the username to log into the FTP server, enter a valid username in the **Username** field.
- Step 6 To specify the password to use to log into the FTP server, enter a valid value in the Password field.
- Step 7 To specify the subdirectory where the data file is put, enter the absolute path in the Directory field.
- Step 8 Choose whether to Enable Log File Management.
- Step 9 To specify the backup schedule, complete the fields in the Backup Schedule pane.



The time base for the host system should be set to Coordinated Universal Time (UTC).

- **Step 10** To cancel this task, click **Cancel**.
- **Step 11** To schedule the backup operation, click **Backup**.

### **Data Restore Procedure**

- **Step 1** Log in to the host system.
- Step 2 Type datarestore at the command line, then press Enter.
- **Step 3** Provide inputs to following prompts:

#### Notes

Sample user inputs are shown in **bold** text.

#### **FTP Server**

```
root@i336s6 root]# datarestore
Entering Data Restore section
Type ctrl-c to exit

Enter Transfer Protocol (FTP[F] or TFTP[T]): F
Enter FTP server (hostname.domainname or IP address): 10.77.27.17
Enter username used for FTP server: root
Enter FTP password: *****
Re-enter FTP password: *****
Enter absolute pathname of backup file on FTP server: /backup.tar
```

#### **TFTP Server**

```
[root@i336s6 root]# datarestore
Entering Data Restore section
Type ctrl-c to exit

Enter Transfer Protocol (FTP[F] or TFTP[T]): T
Enter the TFTP server (hostname.domainname or IP address): 10.77.27.17
Enter pathname of backup file on the TFTP server(relative to tftp root dir): backup.tar
```

#### **DNS Server**

```
[root@i336s6 root]# datarestore
Entering Data Restore section
Type ctrl-c to exit

Enter Transfer Protocol (FTP[F] or TFTP[T]): T
Enter the TFTP server (hostname.domainname or IP address): test.cisco.com
Enter DNS server IP address: 10.77.27.1
Enter pathname of backup file on the TFTP server(relative to tftp root dir):backup.tar
```

### **Definitions**

FTP: File transfer protocol.

**FTP/TFTP Server:** <hostname.domainname>, or IP address, of the FTP/TFTP server on which the backup file is located.

**DNS Server:** IP address of the DNS server. This appears when you enter a hostname instead of an IP address for the server prompt.

**FTP Username:** username used for FTP server.

FTP Password: password used to log into the FTP server.

**Absolute pathname of backup file on FTP/TFTP server:** fully specified path of the backup file stored on the FTP server, or TFTP server (relative to TFTP root directory).