**Task1: Create the Cisco IOS Image Backup**

Create the Cisco IOS Image Backup\_PORTFOLIO\_2.0/\_Cross\_Technology/CCNA\_Unified/CCNA/v1.0/v1.0/ELT\_Videos/CCNA100\_29-8\_IOS\_Image\_Backup\_001.mp43Play Transcript ID4180919template\_version4.1.1\_PORTFOLIO\_2.0/\_Cross\_Technology/CCNA\_Unified/CCNA/v1.0/v1.0/ELT\_Videos/CCNA100\_29-8\_IOS\_Image\_Backup\_001.vtt

* **Procedure1:**

Verify that the TFTP server is accessible from the R1 router. Then click **Next** to proceed.

CLOSE TIP

You can ping the TFTP server to test connectivity.

R1# **ping 172.16.1.100**

Type escape sequence to abort.

Sending 5, 100-byte ICMP Echos to 172.16.1.100, timeout is 2 seconds:

.!!!!

Success rate is 80 percent (4/5), round-trip min/avg/max = 1/3/8 ms

The TFTP server is accessible from the R1 router.

* **Procedure2:**

Make sure that the TFTP server has sufficient disk space to accommodate the Cisco IOS Software image.

You would usually verify this part by going to the TFTP server and verify the available disk space. However, for this task, you will be provided with this information. The free disk space on the TFTP server is 1 GB. Now you need to use the **show flash:** command on the R1 router to determine the size of the Cisco IOS image file. Notice that you are asked if there is sufficient disk space on the TFTP server. Click **Yes** or **No** to indicate your response.

CLOSE TIP

R1# **show flash:**

-#- --length-- -----date/time------ path

1 50933220 Oct 24 2013 14:03:04 +00:00 c2800nm-advipservicesk9-mz.124-15.T.bin

2 1823 Oct 24 2013 14:10:58 +00:00 sdmconfig-2811.cfg

3 1826 Oct 24 2013 14:11:02 +00:00 sdmconfig-28xx.cfg

4 527849 Oct 24 2013 14:11:08 +00:00 128MB.sdf

5 1038 Oct 24 2013 14:11:14 +00:00 home.shtml

6 6036480 Oct 24 2013 14:11:42 +00:00 sdm.tar

7 861696 Oct 24 2013 14:11:54 +00:00 es.tar

8 113152 Oct 24 2013 14:12:00 +00:00 home.tar

9 1164288 Oct 24 2013 14:12:08 +00:00 common.tar

10 793739 Oct 24 2013 14:12:22 +00:00 256MB.sdf

3522560 bytes available (60461056 bytes used)

The file in the example is 50,933,220 B. Comparing the file size to the free disk space on the TFTP server, you determine that you have sufficient disk space on the TFTP server to accommodate the Cisco IOS Software image.

* **Procedure3:**

Copy the R1 router image to the TFTP server using the **copy** command.

CLOSE TIP

You will create a backup of the current image file on the R1 router (c2800nm-advipservicesk9-mz.124-15.T.bin) to the TFTP server at 172.16.1.100. After you issue the command with specified source and destination URLs, you will be prompted for the source file name, IP address of the remote host, and destination filename.

R1# **copy flash: tftp:**

Source filename []? **c2800nm-advipservicesk9-mz.124-15.T.bin**

Address or name of remote host []? **172.16.1.100**

Destination filename [c2800nm-advipservicesk9-mz.124-15.T.bin]? <**Enter**>

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

50933220 bytes copied in 265.920 secs (191536 bytes/sec)

After you enter all this information, the transfer of the file will occur. The last line in the output indicates that the file has been copied successfully.