Packet Tracer - Back Up Configuration Files (Instructor Version)

Instructor Note: Red font color or gray highlights indicate text that appears in the instructor copy only.

10.6.10 Packet Tracer - Back Up Configuration Files Answers

Objectives

Part 1: Establish Connectivity to TFTP Server

Part 2: Transfer the Configuration File from TFTP Server

Part 3: Backup Configuration and IOS to TFTP Server

Background / Scenario

In this activity you will restore a configuration from a backup and then perform a new backup. Due to an equipment failure, a new router has been put in place. Fortunately, backup configuration files have been saved to a Trivial File Transfer Protocol (TFTP) Server. You are required to restore the files from the TFTP Server to get the router back online as quickly as possible.

Instructions

Part 1: Establish Connectivity to the TFTP Server

Note: Because this is a new router, the initial configuration will be performed using a console connection to the router.

a. Click **PCA**, then the **Desktop** tab, followed by **Terminal** to access the **RTA** command line.

b. Configure and activate the **Gigabit Ethernet 0/0** interface. The IP address should match the default gateway for the **TFTP Server**.

```
Router(config)# interface g0/0
Router(config-if)# ip address 172.16.1.1 255.255.255.0
Router(config-if)# no shut
```

c. Test connectivity to **TFTP Server**. Troubleshoot, if necessary.

Part 2: Transfer the Configuration File from the TFTP Server

a. From privileged EXEC mode, issue the following command:

```
Router# copy tftp running-config
Address or name of remote host []? 172.16.1.2
Source filename []? RTA-confg
Destination filename [running-config]? <cr>
```

The router should return the following:

```
Accessing tftp://172.16.1.2/RTA-confg...
Loading RTA-confg from 172.16.1.2: !
[OK - 785 bytes]
785 bytes copied in 0.001 secs
RTA#
```

```
%SYS-5-CONFIG_I: Configured from console by console
RTA#
```

b. Issue the command to display the current configuration.

What changes were made?

The configuration stored on the TFTP Server was loaded into the router and the hostname of the router changed to RTA.

c. Issue the appropriate **show** command to display the interface status.

Are all interfaces active?

No, G0/1 is administratively down.

d. Correct any issues related to interface problems and test connectivity between PCA and the TFTP server.

Part 3: Back Up Configuration and IOS to TFTP Server

a. Change the hostname of **RTA** to **RTA-1**.

b. Save the configuration to NVRAM.

c. Copy the configuration to the **TFTP Server** using the **copy** command:

```
RTA-1# copy running-config tftp:
Address or name of remote host []? 172.16.1.2
Destination filename [RTA-1-confg]? <cr>
```

d. Issue the command to display the files in flash.

e. Backup the IOS in flash to the **TFTP Server** using the following command:

```
RTA-1# copy flash tftp:
Source filename []? c1900-universalk9-mz.SPA.151-4.M4.bin
Address or name of remote host []? 172.16.1.2
Destination filename [c1900-universalk9-mz.SPA.151-4.M4.bin]? <cr>
```

What special character repeatedly displays indicating that the IOS file is being copied to the TFTP server successfully?

The exclamation point !.

f. Open the TFTP Server and click the Services tab, select TFTP, and scroll through the list of IOS files.

Has the IOS file **c1900-universalk9-mz.SPA.151-4.M4.bin** been copied to the TFTP Server?

Yes, the c1900-universalk9-mz.SPA.151-4.M4.bin file is listed in the files on the TFP server.