Lab 25 - Packet Tracer - Back Up Configuration Files

# 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

## 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.

* + 1. Click **PCA**, then the **Desktop** tab, followed by **Terminal** to access the **RTA** command line.
    2. Configure and activate the **Gigabit Ethernet 0/0** interface. The IP address should match the default gateway for the **TFTP Server**.
    3. Test connectivity to **TFTP Server**. Troubleshoot, if necessary.

## Transfer the Configuration File from the TFTP Server

* + 1. 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#

* + 1. Issue the command to display the current configuration.

### Question:

What changes were made?

Configuration was loaded into the router from tftp server

* + 1. Issue the appropriate **show** command to display the interface status.

### Question:

Are all interfaces active?

G0/1 is not active

Type your answers here.

* + 1. Correct any issues related to interface problems and test connectivity between PCA and the TFTP server.

## Back Up Configuration and IOS to TFTP Server

* + 1. Change the hostname of **RTA** to **RTA-1**.
    2. Save the configuration to NVRAM.
    3. 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>**

* + 1. Issue the command to display the files in flash.
    2. 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>**

### Question:

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

Type your answers here.

* + 1. Open the TFTP Server and click the Services tab, select TFTP, and scroll through the list of IOS files.

### Question:

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

Yes it is listed on tfp server

Type your answers here.

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