****Packet Tracer - Backing Up Configuration Files**** (Instructor Version)

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

1. Topology



1. Objectives

Part 1: Establish Connectivity to TFTP Server

Part 2: Transfer Configuration from TFTP Server

Part 3: Backup Configuration and IOS to TFTP Server

1. Background / Scenario

This activity is designed to show how to 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 with as little down time as possible.

1. Establish Connectivity to the TFTP Server

**Note:** Because this is a new router, 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.
1. Transfer Configuration 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 secs

RTA#

%SYS-5-CONFIG\_I: Configured from console by console

RTA#

* + 1. Issue the command to display the current configuration. What changes were made? The configuration stored on the TFTP Server was loaded into the router.
		2. Issue the appropriate **show** command to display the interface status. Are all interfaces active? No, Gi0/1 is administratively down. All router interfaces are shutdown by default.
		3. Correct any issues related to interface problems and test connectivity.
1. Backup 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. Copy 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>**