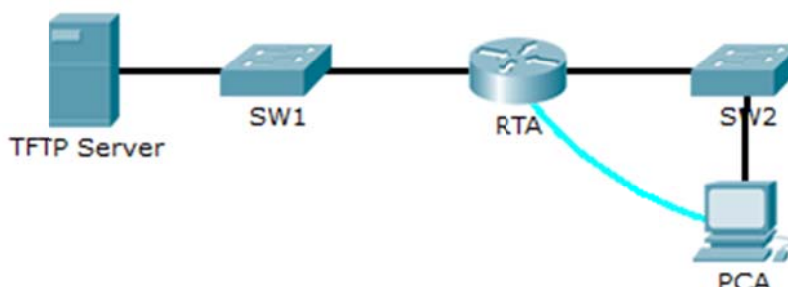# Packet Tracer - Backing Up Configuration Files

Topology

Objectives

Part 1: Establish Connectivity to TFTP Server

Part 2: Transfer Configuration from TFTP Server

Part 3: Backup Configuration and IOS to TFTP Server

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.

Part 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.

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**.

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

Part 2: Transfer Configuration 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 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?

c. Issue the appropriate **show** command to display the interface status. Are all interfaces active?

d. Correct any issues related to interface problems and test connectivity.

Part 3: Backup 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. 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>
```