

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

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.

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

Part 2: Transfer the Configuration File from the TFTP Server

- 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-config
Destination filename [running-config]? <cr>
```

The router should return the following:

```
Accessing tftp://172.16.1.2/RTA-config...
Loading RTA-config 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#
```

- 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 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-config]? **<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?

- 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?