Packet Tracer - Interpret show Command Output

# Objectives

Part 1: Analyze Show Command Output

Part 2: Reflection Questions

# Background

This activity is designed to reinforce the use of router **show** commands. You are not required to configure, but rather to examine the output of several **show** commands. This activity does not automatically provide a score.

# Instructions

## Analyze Show Command Output

* + - 1. To connect to ISPRouter, Click **ISP PC**, then the **Desktop** tab, followed by **Terminal**.

Open configuration window

* + - 1. Enter privileged EXEC mode.
      2. Use the following **show** commands to answer the Reflection Questions in Part 2.

**Note**: If a command pauses with the -–More—prompt, make certain to hit the spacebar until the **ISPRouter#** prompt appears in order to obtain all of the command output.

show arp

show flash:

show ip route

show interfaces

show ip interface brief

show protocols

show users

show version

Close configuration window

## Reflection Questions

* 1. Which commands can you use to determine the IP address and network prefix of interfaces?

Answer: show ip route, show interfaces, show protocols

* 1. Which command provides the IP address and interface assignment, but not the network prefix?

Answer: show ip interface brief

* 1. Which commands would you use to determine if an interface is up?

Answer: show protocols, show ip interface brief, show interfaces (little more info as well)

* 1. You need to determine the IOS version that is running on a router. Which command will give you this information?

Answer: show version

* 1. Which commands provide information about the addresses of the router interfaces?

Answer: show ip route, show arp, show interfaces, show ip interface brief, show protocols

* 1. You are considering an IOS upgrade and need to determine if router flash can hold the new IOS. Which commands provide information about the amount of Flash memory available?

Answer: show flash

* 1. You need to adjust a router configuration, but you suspect that a colleague may also be working on the router from another location. Which command provides information about the lines being used for configuration or device monitoring?

Answer: show users

* 1. You have been asked to check the performance of a device interface. Which command provides traffic statistics for router interfaces?

Answer: show interfaces

* 1. Customers are complaining that they cannot reach a server that they use for file storage. You suspect that the network may have become unreachable due to a recent upgrade. Which command provides information about the paths that are available for network traffic?

Answer: show ip route

* 1. Which interfaces are currently active on the ISP Router?

Answer: G0/0 and S0/0/1

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