

# Packet Tracer - Using Show Commands (Instructor Version)

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

## 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 examine the output of several **show** commands.

## Part 1: Analyze Show Command Output

### Step 1: Connect to ISPRouter

- a. Click **ISP PC**, then the **Desktop** tab, followed by **Terminal**.
- b. Enter privileged EXEC mode.
- c. Use the following **show** commands to answer the Reflection Questions in Part 2:

```
show arp
show flash:
show ip route
show interfaces
show ip interface brief
show protocols
show users
show version
```

## Part 2: Reflection Questions

1. Which commands would provide the IP address, network prefix, and interface? `show ip route, show protocols` (before IOS 15, the `show ip route` command did not display the IP address of the interfaces)
2. Which commands provide the IP address and interface assignment, but not the network prefix? `show ip interface brief`
3. Which commands provide the status of the interfaces? `show interfaces, show ip interface brief`
4. Which commands provide information about the IOS loaded on the router? `show version`
5. Which commands provide information about the addresses of the router interfaces? `show arp, show interfaces`
6. Which commands provide information about the amount of and Flash memory available? `show version, show flash`
7. Which commands provide information about the lines being used for configuration or device monitoring? `show users`
8. Which commands provide traffic statistics of router interfaces? `show interfaces`
9. Which commands provide information about paths available for network traffic? `show ip route`
10. Which interfaces are currently active on the router? `GigabitEthernet 0/0, Serial 0/0/1`

## Suggested Scoring Rubric

Each question is worth 10 points for a total score of 100.