5.2 Lab: Cisco Troubleshooting Tools

Candidate: COMPTIA COMPTIA ()
Time Spent: 00:10

Score: 0%

Task Summary

Lab Questions

✕ *Q1*: What is the Cisco IOS Software version?

Your answer:

Correct answer: 12.4(10a)

✕ *Q2*: What type of interfaces are listed and how many of each?

Your answer:

Correct answer: 2 FastEthernet and 4 Serial interfaces

✕ *Q3*: This device has a Virtual Private Network (VPN) Module

Your answer:

Correct answer: True

✕ *Q4*: What is the status of the Serial0/1/0 interface?

Your answer:

Correct answer: up

✕ *Q5*: What is the ip address for FastEthernet0/0?

Your answer:

Correct answer: 192.168.11.254

✕ *Q6*: The FastEthernet0/0 and FastEthernet0/1 interfaces have an assigned ip address

Your answer:

Correct answer: False

✕ *Q7*: What capabilities were identified for the LAX device?

Your answer:

Correct answer: Router, Switch, IGMP

✕ *Q8*: What was the ping success rate percentage?

Your answer:

Correct answer: 0

✕ *Q9*: Both the SFO router (192.168.11.24) and the LAX router (172.17.12.97) were listed in the traceroute

    Your answer:

    Correct answer: True

Explanation 🎧

Complete this lab as follows:

1. Prepare to enter commands on the SFO router.
   a. Select **SFO** and press **Enter**.
   b. Type **enable** (or **en**) and press **Enter** to access privilege EXEC mode.

2. Verify the version of software in use.
   a. Type **show version** (or **sh ver**) and press **Enter**.
   b. Press the space bar to advance and view the file.
   c. Select **Questions** and answer questions 1-3.
   d. Minimize the Lab Questions dialog.

3. Check the status of the interfaces.
   a. Type **show interfaces** (or **sh int**) and press **Enter**.
   b. Press the space bar to advance and view the file.
   c. Select **Questions** and answer questions 4 and 5.
   d. Minimize the Lab Questions dialog.

4. Verify the settings in the router configuration files.
   a. Type **show startup-config** (or **sh start**) and press **Enter**.
   b. Press the space bar to advance and view the file.
   c. Type **show running-config** (or **sh run**) and press **Enter**.
   d. Press the space bar to advance and view the file.
   e. Select **Questions** and answer question 6.
   f. Minimize the Lab Questions dialog.

5. View information about neighboring routers.
   a. Type **show cdp neighbors** (or **sh cdp ne**) and press **Enter**.
   b. Select **Questions** and answer question 7.
   c. Minimize the Lab Questions dialog.

6. Test the connection from the SFO router to Wrk1 (192.168.11.1).
   a. Type **ping 192.168.11.1** and press **Enter**.
   b. Select **Questions** and answer question 8.
   c. Minimize the Lab Questions dialog.
   d. Close the SFO terminal window.

7. Switch to the Branch1 device and prepare to enter commands.
   a. Select **Branch1** and press **Enter**.
   b. Type **en** and press **Enter** to access privilege EXEC mode.

8. Test the path from Branch1 to the LAX router (172.17.12.97).
   a. Type **traceroute 172.17.12.97** and press **Enter**.
   b. Select **Questions** and answer question 9.