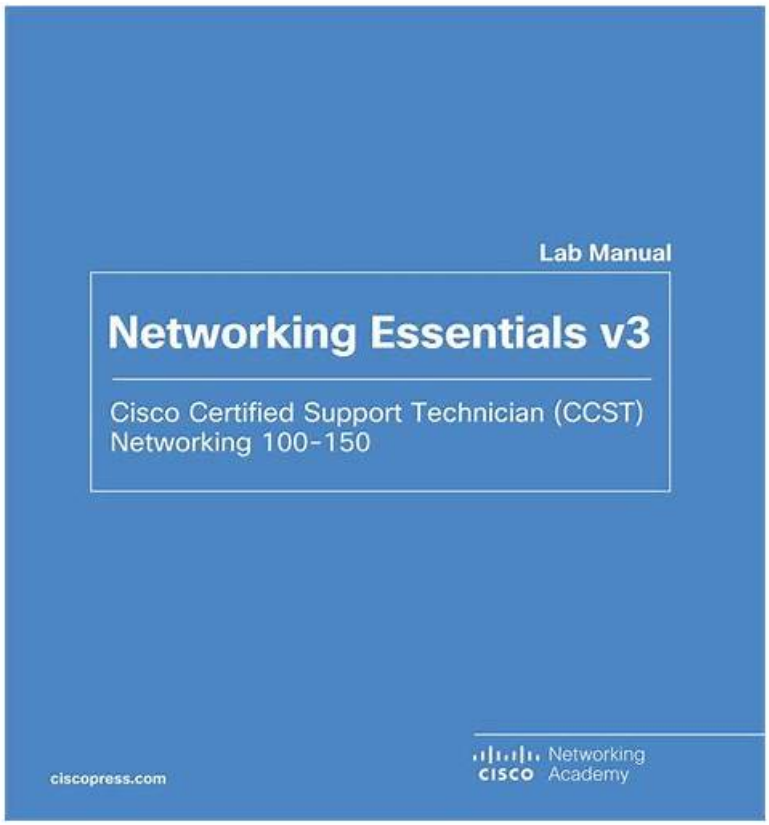
Cisco CCST-Networking Test Lab Questions - CCST-Networking Accurate Prep Material



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>> Cisco CCST-Networking Test Lab Questions <<

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what DumpStillValid Cisco CCST-Networking practice material does. Each format of updated Cisco CCST-Networking preparation material excels in its way and helps you pass the Cisco Certified Support Technician (CCST) NetworkingExam (CCST-Networking) examination on the first attempt.

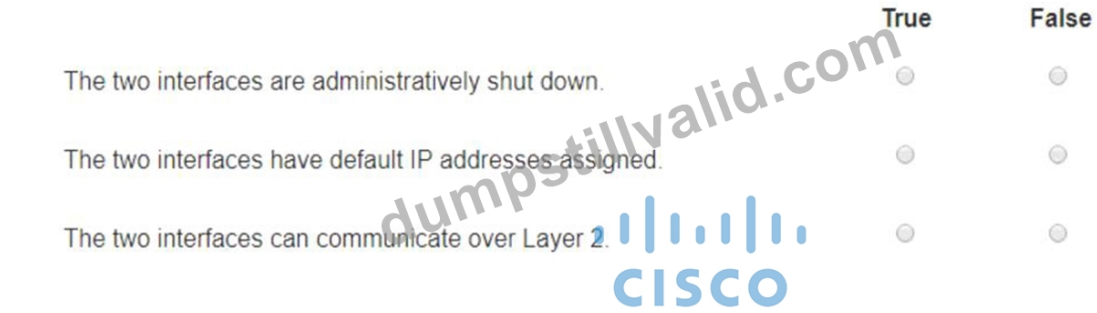
Cisco CCST-Networking Exam Syllabus Topics:

Topic	Details
Topic 1	• Endpoints and Media Types: This topic in the CCST-Networking exam covers the identification of common cables and connectors used in LANs, distinguishing Wi-Fi, cellular. Additionally, it focuses on wired technologies, describing endpoint devices, and demonstrating connectivity setup and checks across multiple operating systems (Windows, Linux, Mac OS, Android, and Apple iOS).
Topic 2	• Diagnosing Problems: In the CCST-Networking exam, Cisco network technicians are tested on their ability to employ troubleshooting methodologies and help desk practices, perform packet captures with Wireshark, run and interpret diagnostic commands. It also tests their skills to differentiate data collection methods for network devices, and execute basic show commands on Cisco devices.
Topic 3	• Security: Aspiring Cisco Network technicians taking the CCST-Networking Exam need to describe firewall operations, foundational security concepts, and configure basic wireless security on home routers (WPAx). This ensures they can implement and understand essential security measures within a network.
Topic 4	• Addressing and Subnet Formats: For aspiring Cisco network technicians, the CCST Networking exam evaluates the ability to compare private and public IP addresses, identify IPv4 addresses and subnet formats, and recognize IPv6 addresses and prefix formats. This ensures they can manage and configure network addressing effectively.
Topic 5	• Standards and Concepts: The Cisco CCST-Networking exam assesses network technicians' knowledge of essential networking concepts, including identifying network building blocks, differentiating bandwidth from throughput, distinguishing various network types (LAN, WAN, MAN, CAN, PAN, WLAN), and comparing cloud versus on-premises services. It also measures understanding of common network applications and protocols.

Cisco Certified Support Technician (CCST) NetworkingExam Sample Questions (Q41-Q46):

NEW QUESTION # 41
You purchase a new Cisco switch, turn it on, and connect to its console port. You then run the following command:

For each statement about the output, select True or False.
Note: You will receive partial credit for each correct selection.



Answer:

Explanation:

Explanation:
* The two interfaces are administratively shut down:
* False: The output does not show any "shutdown" command under the interfaces, which would indicate that they are administratively shut down. Therefore, they are likely in their default state, which is administratively up.
* The two interfaces have default IP addresses assigned:
* False: The output does not show any IP address configuration. In the default state, interfaces do not have IP addresses assigned unless explicitly configured.
* The two interfaces can communicate over Layer 2:
* True: By default, interfaces on a switch are Layer 2 interfaces capable of forwarding Ethernet frames. As there is no configuration provided that changes this, it can be assumed they can communicate over Layer 2.
* Interface Status: The absence of the "shutdown" command means the interfaces are not administratively shut down.
* IP Address Assignment: There is no evidence in the output that IP addresses have been assigned to the interfaces, which would typically be shown as "ip address" entries.
* Layer 2 Communication: Switch interfaces in their default state operate at Layer 2, enabling them to forward Ethernet frames and participate in Layer 2 communication.
References:
* Cisco IOS Interface Configuration: Cisco Interface Configuration
* Understanding Cisco Switch Interfaces: Cisco Switch Interfaces

NEW QUESTION # 42
A local company requires two networks in two new buildings. The addresses used in these networksmust be in the private network range.
Which two address ranges should the company use? (Choose 2.)
Note: You will receive partial credit for each correct selection.

- A. 172.16.0.0 to 172.31.255.255
- B. 11.0.0.0 to 11.255.255.255
- C. 192.16.0.0 to 192.16.255.255
- D. 192.168.0.0 to 192.168.255.255

Answer: A,D

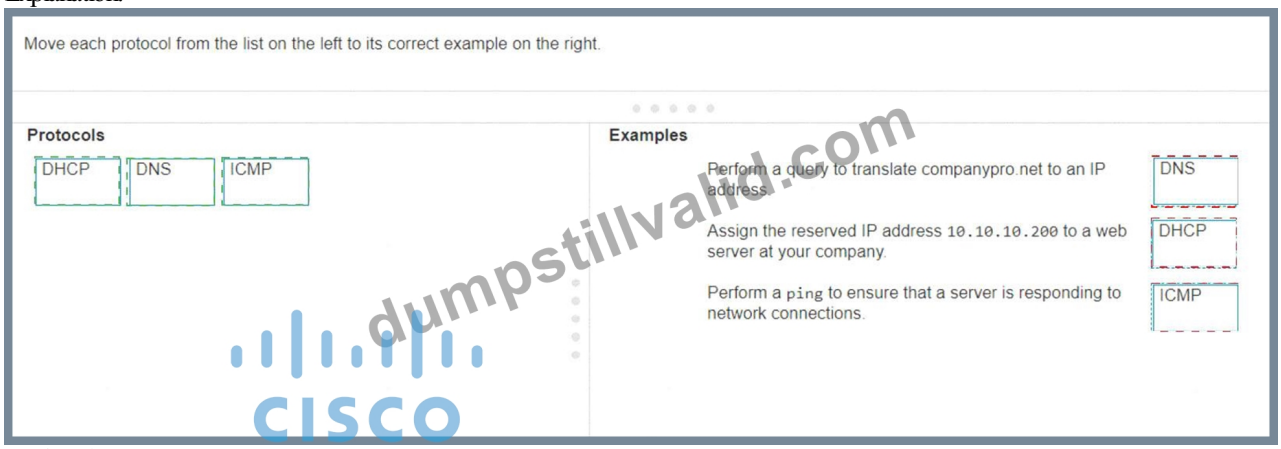
Explanation:
The private IP address ranges that are set aside specifically for use within private networks and not routable on the internet are as follows:

* Class A: 10.0.0.0 to 10.255.255.255
* Class B: 172.16.0.0 to 172.31.255.255
* Class C: 192.168.0.0 to 192.168.255.255
These ranges are defined by the Internet Assigned Numbers Authority (IANA) and are used for local communications within a private network123.
Given the options: A.172.16.0.0 to 172.31.255.255falls within the Class B private range. B.192.16.0.0 to 192.16.255.255is not a recognized private IP range. C.11.0.0.0 to 11.255.255.255is not a recognized private IP range. D.192.168.0.0 to 192.168.255.255falls within the Class C private range.
Therefore, the correct selections that the company should use for their private networks areAandD.
References:=
* Reserved IP addresses on Wikipedia
* Private IP Addresses in Networking - GeeksforGeeks
* Understanding Private IP Ranges, Uses, Benefits, and Warnings

NEW QUESTION # 43
Move each protocol from the list on the left to its correct example on the right.

Answer:

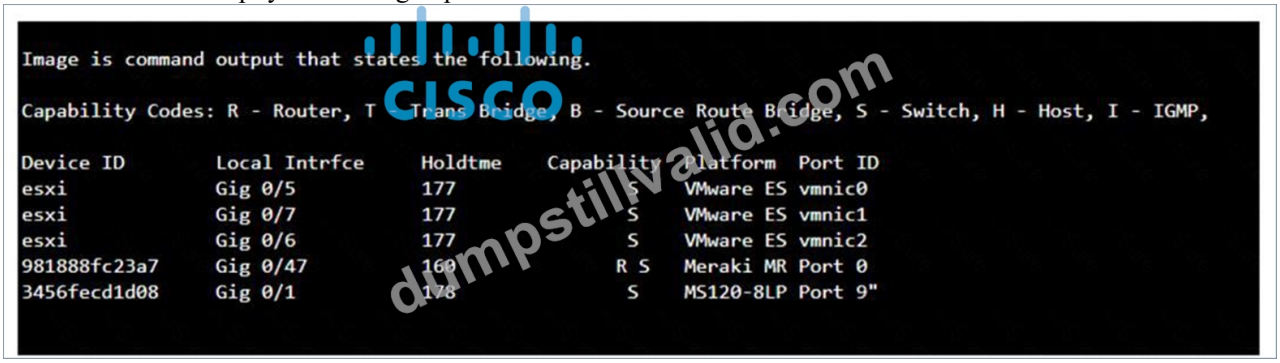
Explanation:



Explanation:
The correct matching of the protocols to their examples is as follows:
* DHCP: Assign the reserved IP address 10.10.10.200 to a web server at your company.
* DNS: Perform a query to translate companypro.net to an IP address.
* ICMP: Perform a ping to ensure that a server is responding to network connections.
Here's how each protocol corresponds to its example:
* DHCP (Dynamic Host Configuration Protocol)is used to assign IP addresses to devices on a network. In this case, DHCP would be used to assign the reserved IP address 10.10.10.200 to a web server.
* DNS (Domain Name System)is used to translate domain names into IP addresses. Therefore, to translate companypro.net to an IP address, DNS would be utilized.
* ICMP (Internet Control Message Protocol)is used for sending error messages and operational information indicating success or failure when communicating with another IP address. An example of this is using the ping command to check if a server is responding

to network connections.
These protocols are essential for the smooth operation of networks and the internet.
* Perform a query to translate companypro.net to an IP address.
* DNS (Domain Name System): DNS is used to resolve domain names to IP addresses.
* Assign the reserved IP address 10.10.10.200 to a web server at your company.
* DHCP (Dynamic Host Configuration Protocol): DHCP is used to assign IP addresses to devices on a network.
* Perform a ping to ensure that a server is responding to network connections.
* ICMP (Internet Control Message Protocol): ICMP is used by network devices to send error messages and operational information, and it is the protocol used by the ping command.
* DNS (Domain Name System): DNS translates human-friendly domain names like "companypro.net" into IP addresses that computers use to identify each other on the network.
* DHCP (Dynamic Host Configuration Protocol): DHCP automatically assigns IP addresses to devices on a network, ensuring that no two devices have the same IP address.
* ICMP (Internet Control Message Protocol): ICMP is used for diagnostic or control purposes, and the ping command uses ICMP to test the reachability of a host on an IP network.
References:
* DNS Basics: What is DNS?
* DHCP Overview: What is DHCP?
* ICMP and Ping: Understanding ICMP

NEW QUESTION # 44
Which command will display the following output?



- A. show inventory
- B. show mac-address-table
- C. show ip interface
- D. show cdp neighbor

Answer: D

Explanation:
The command that will display the output provided, which includes capability codes, local interface details, device IDs, hold times, and platform port ID capabilities, is the show cdp neighbor command. This command is used in Cisco devices to display current information about neighboring devices detected by Cisco Discovery Protocol (CDP), which includes details such as the interface through which the neighbor is connected, the type of device, and the port ID of the device1.
References :=
*Cisco - show cdp neighbors
The provided output is from the Cisco Discovery Protocol (CDP) neighbor table. The show cdp neighbor command displays information about directly connected Cisco devices, including Device ID, Local Interface, Holdtime, Capability, Platform, and Port ID.
*A. show mac-address-table: Displays the MAC address table on the switch.
*C. show inventory: Displays information about the hardware inventory of the device.
*D. show ip interface: Displays IP interface status and configuration.
Thus, the correct answer is B. show cdp neighbor.
References :=
*Cisco CDP Neighbor Command
*Understanding CDP

NEW QUESTION # 45
A support technician examines the front panel of a Cisco switch and sees 4 Ethernet cables connected in the first four ports. Ports 1, 2, and 3 have a green LED. Port 4 has a blinking green light.
What is the state of the Port 4?

- A. Link is up and active.
- B. Link is up and not stable.
- C. Link is up with cable malfunctions.
- D. Link is up and there is no activity.

Answer: A

Explanation:
On a Cisco switch, a port with a blinking green LED typically indicates that the port is up (active) and is currently transmitting or receiving data. This is a normal state indicating active traffic on the port.
*A. Link is up with cable malfunctions: Usually indicated by an amber or blinking amber light.
*B. Link is up and not stable: Not typically indicated by a green blinking light.
*D. Link is up and there is no activity: Would be indicated by a solid green light withoutblinking.
Thus, the correct answer is C. Link is up and active.
References :=
*Cisco Switch LED Indicators
*Cisco Ethernet Switch LED Patterns

NEW QUESTION # 46
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