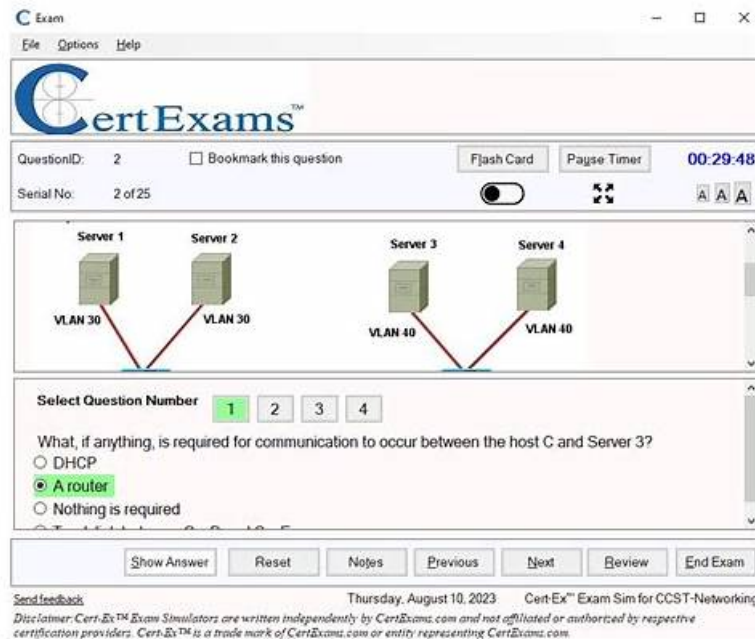


Cisco CCST-Networking Questions - Latest Approved Exam Dumps



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Cisco CCST-Networking Exam Syllabus Topics:

Topic	Details
Topic 1	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 2	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 3	Infrastructure: The Cisco Certified Support Technician (CCST) Networking exam measures network technicians' skills in identifying Cisco device status lights, using network diagrams to attach cables, recognizing various network ports. It also focuses on explaining basic routing concepts and understanding basic switching concepts.

>> CCST-Networking Detailed Answers <<

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you study well but with no idea of the Cisco Certified Support Technician (CCST) NetworkingExam CCST-Networking exam pattern, it will be tough to crack the nut. You shall waste your time thinking about the pattern and how to attempt the Cisco Certified Support Technician (CCST) NetworkingExam CCST-Networking Exam Questions. On the other hand, if you know the Cisco Certified Support Technician (CCST) NetworkingExam CCST-Networking exam questions well, you can use that time to solve the queries and improve your chances to score well in the exam.

Cisco Certified Support Technician (CCST) NetworkingExam Sample Questions (Q38-Q43):

NEW QUESTION # 38

What is the most compressed valid format of the IPv6 address 2001:0db8:0000:0016:0000:001b:2000:0056?

- A. 2001:db8:16::1b2:56
- B. 2001:db8::16::1b2:56
- C. 2001:db8::16::1b:2000:56
- **D. 2001:db8:0:16::1b:2000:56**

Answer: D

Explanation:

IPv6 addresses can be compressed by removing leading zeros and replacing consecutive groups of zeros with a double colon (::).

Here's how to compress the address 2001:0db8:0000:0016:0000:001b:2000:0056:

* Remove leading zeros from each segment:

* 2001:db8:0000:0016:0000:001b:2000:0056 becomes 2001:db8:0:16:0:1b:2000:56

* Replace the longest sequence of consecutive zeros with a double colon (::). In this case, the two consecutive zeros between the 16 and 1b:

* 2001:db8:0:16::1b:2000:56

Thus, the most compressed valid format of the IPv6 address is 2001:db8:0:16::1b:2000:56.

References:=

* Cisco Learning Network

* IPv6 Addressing (Cisco)

NEW QUESTION # 39

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

Answer: C

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 without blinking.

Thus, the correct answer is C. Link is up and active.

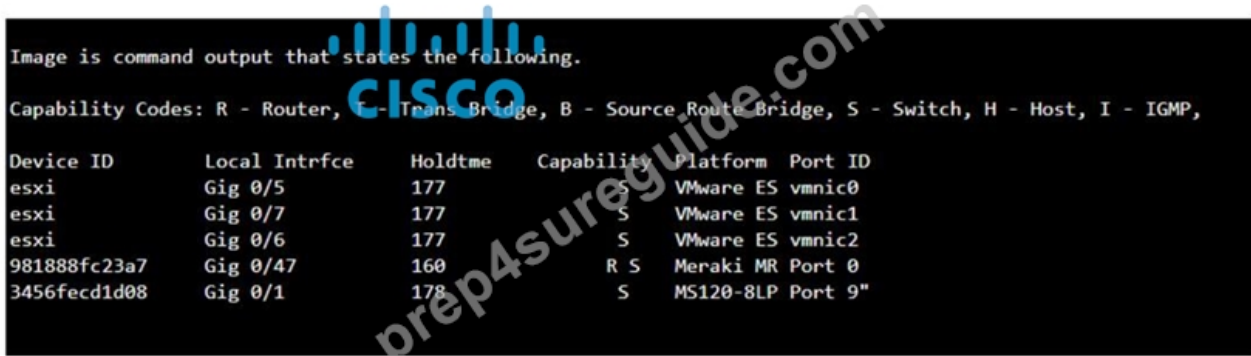
References :=

*Cisco Switch LED Indicators

*Cisco Ethernet Switch LED Patterns

NEW QUESTION # 40

Which command will display the following output?



- A. show mac-address-table
- B. show inventory
- 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.

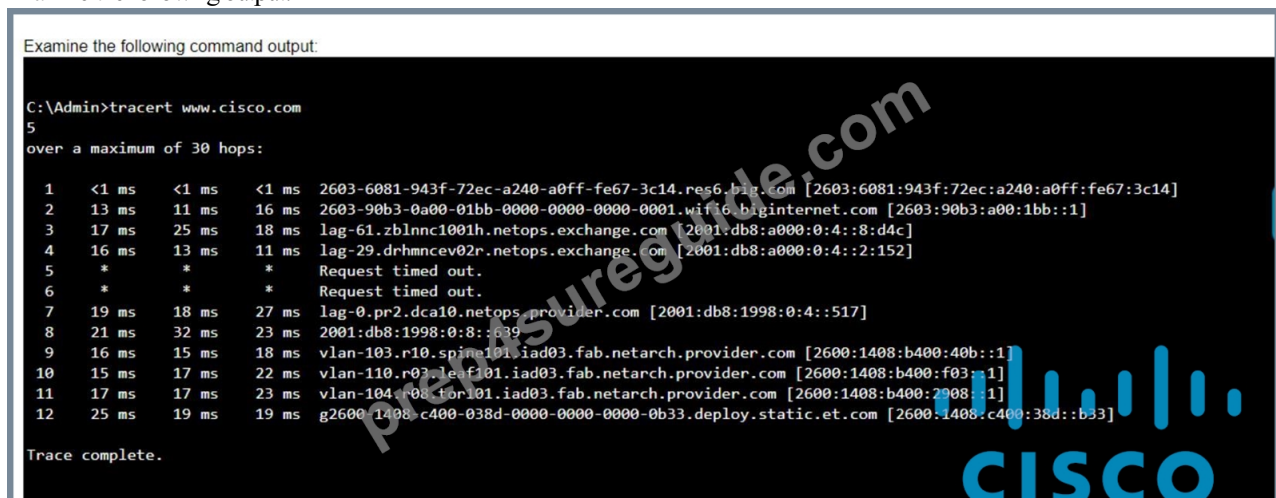
References :-

*Cisco CDP Neighbor Command

*Understanding CDP

NEW QUESTION # 41

Examine the following output:



Which two conclusions can you make from the output of the tracert command? (Choose 2.) Note: You will receive partial credit for each correct answer.

- A. The IPv6 address associated with the www.cisco.com server is 2600:1408:c400:38d::b33.
- B. The device sending the trace has IPv6 address 2600:1408:c400:38d::b33.

- C. The routers at hops 5 and 6 are offline.
- **D. The trace successfully reached the www.cisco.com server.**
- E. The trace failed after the fourth hop.

Answer: A,D

Explanation:

*Statement A: "The trace successfully reached the www.cisco.com server." This is true as indicated by the "Trace complete" message at the end, showing that the trace has reached its destination.

*Statement C: "The IPv6 address associated with the www.cisco.com server is 2600:1408:c400:38d::b33." This is true because the final hop in the trace, which is the destination, has this IPv6 address.

*Statement B: "The trace failed after the fourth hop." This is incorrect as the trace continues beyond the fourth hop, despite some intermediate timeouts.

*Statement D: "The routers at hops 5 and 6 are offline." This is not necessarily true. The routers might be configured to not respond to traceroute requests.

*Statement E: "The device sending the trace has IPv6 address 2600:1408:c400:38d::b33." This is incorrect; this address belongs to the destination server, not the sender.

References:

*Understanding Traceroute: Traceroute Guide

NEW QUESTION # 42

Move the security options from the list on the left to its characteristic on the right. You may use each security option once, more than once, or not at all.

Note: You will receive partial credit for each correct answer.

Move the security options from the list on the left to its characteristic on the right. You may use each security option once, more than once, or not at all.

Note: You will receive partial credit for each correct answer.

Security Options	Characteristics
WEP	Uses a RADIUS server for authentication
WPA2-Personal	Uses a minimum of 40 bits for encryption
WPA2-Enterprise	Uses AES and a pre-shared key for authentication

Answer:

Explanation:

Move the security options from the list on the left to its characteristic on the right. You may use each security option once, more than once, or not at all.

Note: You will receive partial credit for each correct answer.

Security Options	Characteristics
WEP	Uses a RADIUS server for authentication
WPA2-Personal	Uses a minimum of 40 bits for encryption
WPA2-Enterprise	Uses AES and a pre-shared key for authentication

Explanation:

The correct matching of the security options to their characteristics is as follows:

* WPA2-Enterprise: Uses a RADIUS server for authentication

* WEP: Uses a minimum of 40 bits for encryption

* WPA2-Personal: Uses AES and a pre-shared key for authentication

Here's why each security option matches the characteristic:

* WPA2-Enterprise uses a RADIUS server for authentication, which provides centralized Authentication, Authorization, and Accounting (AAA) management for users who connect and use a network service.

* WEP (Wired Equivalent Privacy) is an outdated security protocol that uses a minimum of 40 bits for encryption (and up to 104 bits), which is relatively weak by today's standards.

* WPA2-Personal (Wi-Fi Protected Access 2 - Personal) uses the Advanced Encryption Standard (AES) for encryption and a pre-shared key (PSK) for authentication, which is shared among users to access the network.

These security options are essential for protecting wireless networks from unauthorized access and ensuring data privacy.

NEW QUESTION # 43

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