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The CCST-Networking exam is the right way to learn new in-demand skills and upgrade knowledge. After passing the Cisco Certified Support Technician (CCST) NetworkingExam (CCST-Networking) exam the successful candidates can gain multiple personal and professional benefits with the real Cisco CCST-Networking Exam Questions. Validation of skills, more career opportunities, increases in salary, and increases in the chances of promotion are some prominent benefits of the Cisco CCST-Networking certification exam.

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	• 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 3	• 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.

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New Cisco CCST-Networking Exam Pattern - CCST-Networking Online Lab

Simulation

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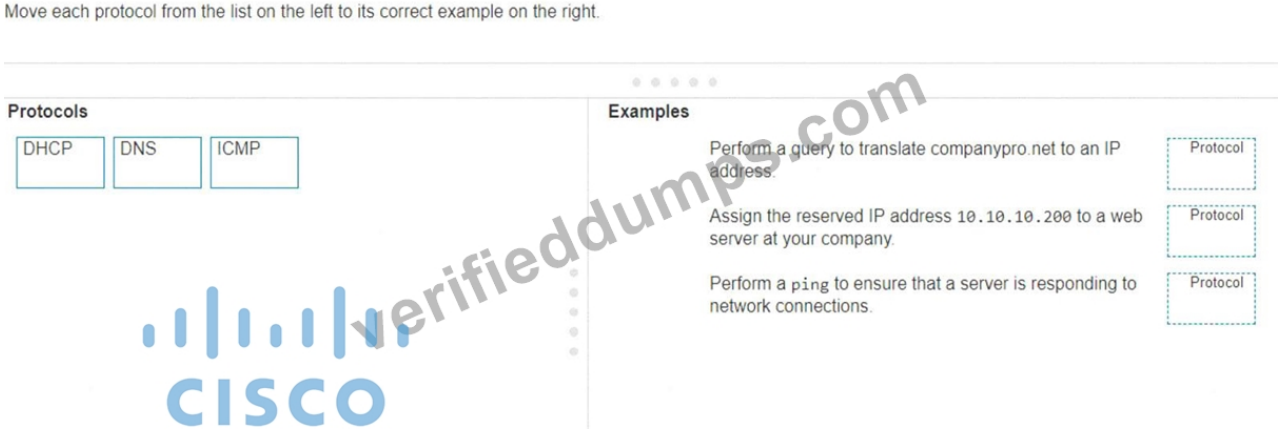
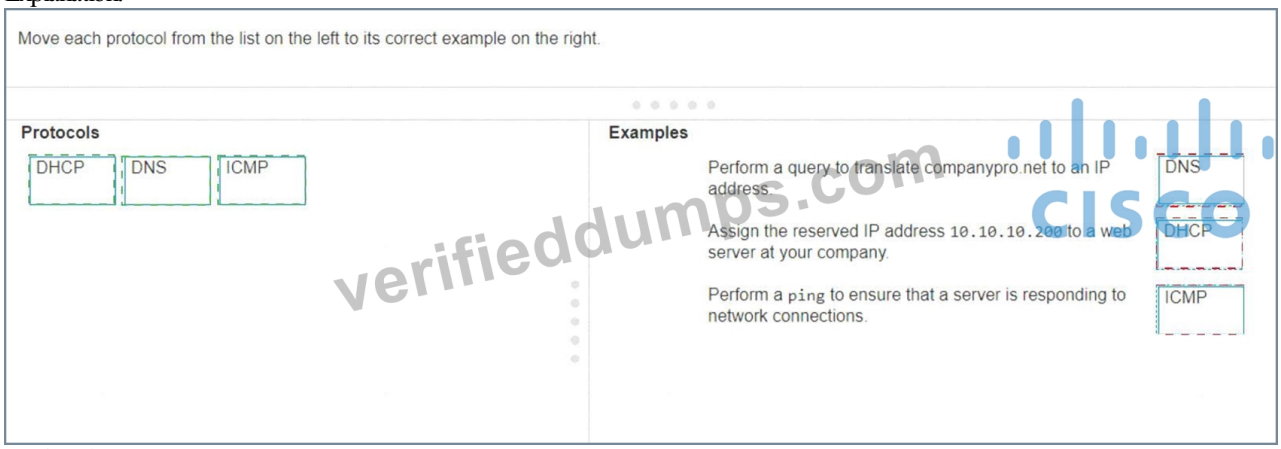
Cisco Certified Support Technician (CCST) NetworkingExam Sample Questions (Q17-Q22):

NEW QUESTION # 17
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 # 18
A help desk technician receives the four trouble tickets listed below. Which ticket should receive the highest priority and be addressed first?

- A. Ticket 4: Two users report that wireless access in the cafeteria has been down for the last hour.
- B. Ticket 2: An online webinar is taking place in the conference room. The video conferencing equipment lost internet access.
- C. Ticket 3: A user reports that response time for a cloud-based application is slower than usual.
- D. Ticket 1: A user requests relocation of a printer to a different network jack in the same office. The jack must be patched and made active.

Answer: B

Explanation:
When prioritizing trouble tickets, the most critical issues affecting business operations or high-impact activities should be addressed first. Here's a breakdown of the tickets:
* Ticket 1: Relocation of a printer, while necessary, is not urgent and does not impact critical operations.
* Ticket 2: An ongoing webinar losing internet access is critical, especially if the webinar is time-sensitive and involves multiple participants.
* Ticket 3: Slower response time for a cloud-based application is important but typically not as urgent as a complete loss of internet access for a live event.
* Ticket 4: Wireless access down in the cafeteria affects users but does not have the same immediate impact as a live webinar losing connectivity.
Thus, the correct answer is B. Ticket 2: An online webinar is taking place in the conference room. The video conferencing equipment lost internet access.
References:=
* IT Help Desk Best Practices
* Prioritizing IT Support Tickets

NEW QUESTION # 19
A host is given the IP address 172.16.100.25 and the subnet mask 255.255.252.0.
What is the CIDR notation for this address?

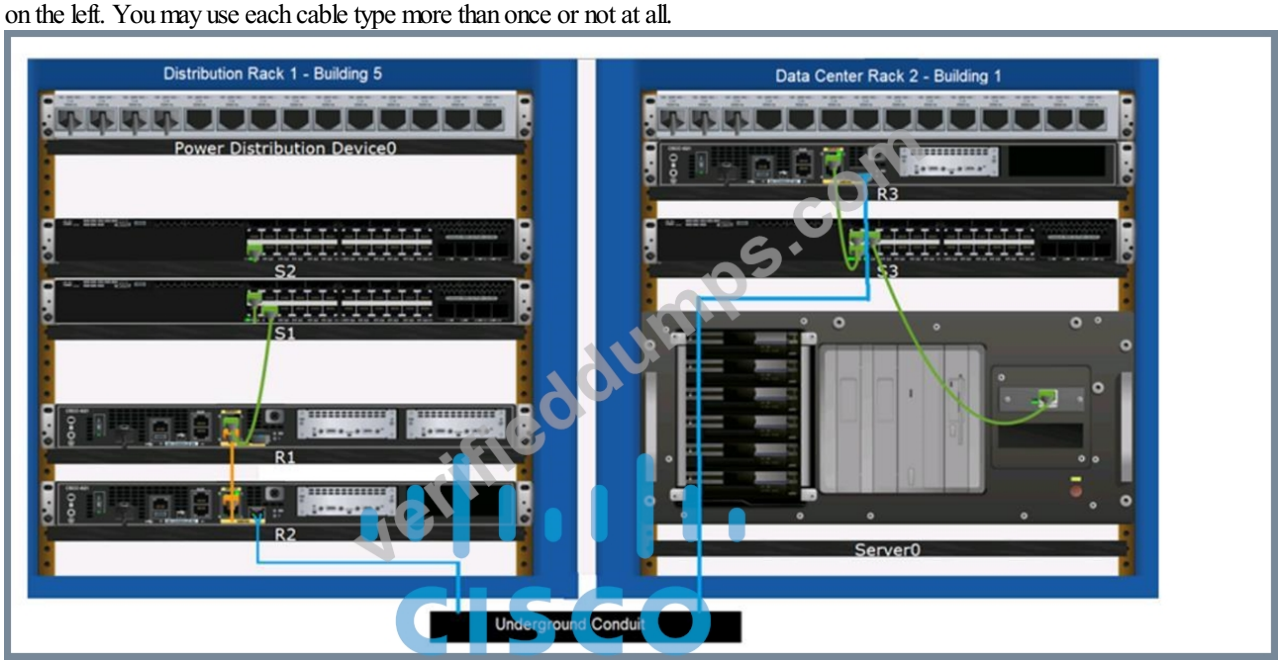
- A. 172.16.100.25 /22
- B. 172.16.100.25 /23
- C. 172.16.100.25 /20
- D. 172.16.100.25 /21

Answer: A

Explanation:
The CIDR (Classless Inter-Domain Routing) notation for the subnet mask 255.255.252.0 is /22. This notation indicates that the first 22 bits of the IP address are used for network identification, and the remaining bits are used for host addresses within the network1.

References :=
*Subnet Cheat Sheet - 24 Subnet Mask, 30, 26, 27, 29, and other IP Address CIDR Network References
*Subnet Mask to CIDR Notation: The given subnet mask is 255.255.252.0. To convert this to CIDR notation:
*Convert the subnet mask to binary: 11111111.11111111.11111100.00000000
*Count the number of consecutive 1s in the binary form: There are 22 ones.
*Therefore, the CIDR notation is /22.
References:
*Understanding Subnetting and CIDR: Cisco CIDR Guide

NEW QUESTION # 20
Examine the connections shown in the following image. Move the cable types on the right to the appropriate connection description on the left. You may use each cable type more than once or not at all.



Answer:

Explanation:

Explanation:
Based on the image description provided, here are the cable types matched with the appropriate connection descriptions:
Connects Switch S1 to Router R1 Gi0/0/1 interfaceCable Type: = Straight-through UTP Cable Connects Router R2 Gi0/0/0 to Router R3 Gi0/0/0 via underground conduitCable Type: = Fiber Optic Cable Connects Router R1 Gi0/0/0 to Router R2 Gi0/0/1Cable Type: = Crossover UTP Cable Connects Switch S3 to Server0 network interface cardCable Type: = Straight-through UTP Cable The choices are based on standard networking practices where:
* Straight-through UTP cablesare typically used to connect a switch to a router or a network interface card.
* Fiber optic cablesare ideal for long-distance, high-speed data transmission, such as connections through an underground conduit.
* Crossover UTP cablesare used to connect similar devices, such as router-to-router connections.
These matches are consistent with the color-coded cables in the image: green for switch connections, yellow for router-to-router connections within the same rack, and blue for inter-rack connections. The use of these cables follows the Ethernet cabling standards.
* Connects Switch S1 to Router R1 Gi0/0/1 interface:
* Cable Type: Straight-through UTP Cable
* Explanation: A straight-through UTP cable is typically used to connect different types of devices, such as a switch to a router.
* Connects Router R2 Gi0/0/0 to Router R3 Gi0/0/0 via underground conduit:
* Cable Type: Fiber Optic Cable
* Explanation: Fiber optic cables are used for long-distance connections, such as those through an underground conduit between buildings.
* Connects Router R1 Gi0/0/0 to Router R2 Gi0/0/1:
* Cable Type: Crossover UTP Cable
* Explanation: A crossover UTP cable is typically used to connect similar devices directly, such as router to router connections.
* Connects Switch S3 to Server0 network interface card:

* Cable Type: Straight-through UTP Cable
* Explanation: A straight-through UTP cable is typically used to connect a switch to an end device, such as a server.
* Straight-through UTP Cable: Used to connect different devices (e.g., switch to router, switch to server).
* Crossover UTP Cable: Used to connect similar devices directly (e.g., router to router, switch to switch).
* Fiber Optic Cable: Used for long-distance and high-speed connections, often between buildings or data centers.
References:
* Network Cable Types and Uses: Cisco Network Cables
* Understanding Ethernet Cabling: Ethernet Cable Guide

NEW QUESTION # 21
What is the most compressed valid format of the IPv6 address 2001 :0db8:0000:0016:0000:001b: 2000:0056?

- A. 2001:db8: 0:16: :1b: 2000:56
- B. 2001:db8: : 16: : 1b: 2000: 56
- C. 2001:db8: : 16: : 1b:2:56
- D. 2001:db8: 16: :1b:2:56

Answer: A

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 # 22
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