

CCST-Networking New Dumps Ebook, CCST-Networking Real Questions



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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	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.
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.
Topic 4	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 5	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.

CCST-Networking Real Questions - Minimum CCST-Networking Pass Score

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Cisco Certified Support Technician (CCST) Networking Exam Sample Questions (Q26-Q31):

NEW QUESTION # 26

A user reports that a company website is not available. The help desk technician issues a tracert command to determine if the server hosting the website is reachable over the network. The output of the command is shown as follows:



```
C:\>tracert 192.168.1.10
Tracing route to 192.168.1.10 over a maximum of 30 hops:
 0  ms  0  ms  1  ms  192.168.5.1
 1  ms  0  ms  0  ms  10.0.1.1
 2  ms  0  ms  0  ms  10.0.1.1
 3  *    *    *    Request timed out.
 4  ms  1  ms  0  ms  10.0.0.2
 5  ms  1  ms  0  ms  192.168.1.10
```

What can you tell from the command output?

- A. The server with the address 192.168.1.10 is reachable over the network.
- B. The router at hop 3 is not forwarding packets to the IP address 192.168.1.10.
- C. Requests to the web server at 192.168.1.10 are being delayed and time out.
- D. The server address 192.168.1.10 is being blocked by a firewall on the router at hop 3.

Answer: A

Explanation:

The tracert command output shows the path taken to reach the destination IP address, 192.168.1.10. The command output indicates:

*Hops 1 and 2 are successfully reached.

*Hop 3 times out, meaning the router at hop 3 did not respond to the traceroute request. However, this does not necessarily indicate a problem with forwarding packets, as some routers may be configured to block or not respond to ICMP requests.

*Hops 4 and 5 are successfully reached, with hop 5 being the destination IP 192.168.1.10, indicating that the server is reachable.

Thus, the correct answer is C. The server with the address 192.168.1.10 is reachable over the network.

References :=

*Cisco Traceroute Command

*Understanding Traceroute

The tracert command output indicates that the server with the address 192.168.1.10 is reachable over the network. The asterisk (*) at hop 3 suggests that the probe sent to that hop did not return a response, which could be due to a variety of reasons such as a firewall blocking ICMP packets or the router at that hop being configured not to respond to ICMP requests. However, since the subsequent hops (4 and 5) are showing response times, it means that the packets are indeed getting through and the server is reachable.

References :=

*How to Use Traceroute Command to Read Its Results

*How to Use the Tracert Command in Windows

NEW QUESTION # 27

A Cisco switch is not accessible from the network. You need to view its running configuration. Which out-of-band method can you use to access it?

- A. SNMP
- **B. Console**
- C. Telnet
- D. SSH

Answer: B

Explanation:



Out-of-band management

When a Cisco switch is not accessible from the network, the recommended out-of-band method to access its running configuration is through the console port. Out-of-band management involves accessing the network device through a dedicated management channel that is not part of the data network. The console port provides direct access to the switch's Command Line Interface (CLI) without using the network, which is essential when the switch cannot be accessed remotely via the network.

References:=-

- * Out-of-band (OOB) network interface configuration guidelines
- * Out of band management configuration

NEW QUESTION # 28

Which command will display all the current operational settings configured on a Cisco router?

- A. show startup-config
- B. show protocols
- **C. show running-config**
- D. show version

Answer: C

Explanation:



Router

The `show running-config` command is used on a Cisco router to display the current operational settings that are actively configured in the router's RAM. This command outputs all the configurations that are currently being executed by the router, which includes interface configurations, routing protocols, access lists, and other settings. Unlike `show startup-config`, which shows the saved configuration that the router will use on the next reboot, `show running-config` reflects the live, current configuration in use.

References:=- The information is supported by multiple sources that detail the use of Cisco commands, particularly the `show running-config` command as the standard for viewing the active configuration on a Cisco device.

- * `show running-config`: This command displays the current configuration running on the router. It includes all the operational settings and configurations applied to the router.
- * `show protocols`: This command shows the status of configured protocols on the router but not the entire configuration.
- * `show startup-config`: This command displays the configuration saved in NVRAM, which is used to initialize the router on startup, but not necessarily the current running configuration.
- * `show version`: This command provides information about the router's software version, hardware components, and uptime but does not display the running configuration.

References:

* Cisco IOS Commands: Cisco IOS Commands

NEW QUESTION # 29

During the data encapsulation process, which OSI layer adds a header that contains MAC addressing information and a trailer used for error checking?

- A. Session
- **B. Data Link**
- C. Transport
- D. Network

Answer: B

NEW QUESTION # 30

Move each network type from the list on the left to the correct example on the right.

Answer:

Explanation:

Explanation:

- * Two home office computers are connected to a switch by Ethernet cables.
- * Network Type: LAN (Local Area Network)
- * Explanation: A LAN connects devices within a limited area such as a home, office, or building, using Ethernet cables or Wi-Fi.
- * Three government buildings in the same city connect to a cable company over coaxial cables.
- * Network Type: MAN (Metropolitan Area Network)
- * Explanation: A MAN connects networks across a city or campus, often using fiber optic or coaxial cables.
- * A cell phone connects to a Bluetooth headset.
- * Network Type: PAN (Personal Area Network)
- * Explanation: A PAN connects devices within a personal workspace, typically using wireless technologies like Bluetooth.
- * A financial institution connects its branches through a telecommunications service provider.
- * Network Type: WAN (Wide Area Network)
- * Explanation: A WAN connects multiple LANs over long distances, often using leased lines or satellite links provided by telecommunications companies.
- * LAN (Local Area Network): Used for connecting devices within a small geographical area such as a single building or home.
- * MAN (Metropolitan Area Network): Covers a larger geographical area than a LAN, typically a city or campus.
- * PAN (Personal Area Network): Connects devices within the range of an individual person, such as connecting a phone to a Bluetooth headset.
- * WAN (Wide Area Network): Spans large geographical areas, connecting multiple LANs across cities, countries, or continents.

References:

- * Network Types Overview: Cisco Networking Basics
- * Understanding Different Network Types: Network Types Guide

NEW QUESTION # 31

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