

Cisco CCST-Networking Practice Exams In Online Format



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It is universally accepted that in this competitive society in order to get a good job we have no choice but to improve our own capacity and explore our potential constantly, and try our best to get the related CCST-Networking certification is the best way to show our professional ability, however, the CCST-Networking Exam is hard nut to crack but our CCST-Networking preparation questions are closely related to the exam, it is designed for you to systematize all of the key points needed for the CCST-Networking exam.

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Cisco CCST-Networking Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 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	• 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.
Topic 4	• 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 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.

Cisco Certified Support Technician (CCST) Networking Exam Sample Questions (Q31-Q36):

NEW QUESTION # 31

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

Answer: D

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 # 32

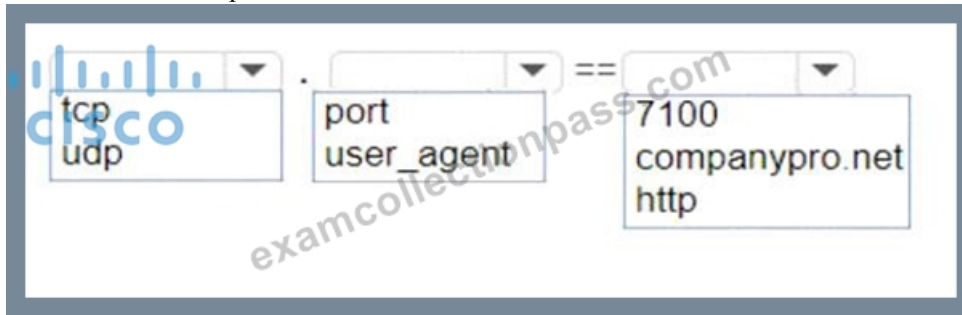
An app on a user's computer is having problems downloading data. The app uses the following URL to download data:

<https://www.companypro.net:7100/api>

You need to use Wireshark to capture packets sent to and received from that URL.

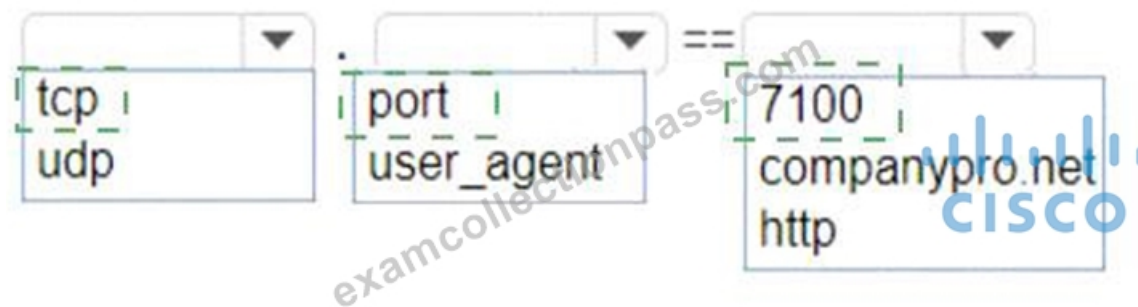
Which Wireshark filter options would you use to filter the results? Complete the command by selecting the correct option from each drop-down list.

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



Answer:

Explanation:



Explanation:

To capture packets sent to and received from the URL <https://www.companypro.net:7100/api> using Wireshark, you would use the following filter options:

- * Protocol:tcp
- * Filter Type:port
- * Port Number:7100

This filter setup in Wireshark will display all TCP packets that are sent to or received from port 7100, which is the port specified in the URL for the API service. Since HTTPS typically uses TCP as the transport layer protocol, filtering by TCP and the specific port number will help isolate the relevant packets for troubleshooting the app's data download issues.

- * cp: The app is using HTTPS, which relies on the TCP protocol for communication.
- * port: The specific port number used by the application, which in this case is 7100.
- * 7100: This is the port specified in the URL (<https://www.companypro.net:7100/api>).

This filter will capture all TCP traffic on port 7100, allowing you to analyze the packets related to the application's data download.

References:

- * Wireshark Filters: Wireshark Display Filters

NEW QUESTION # 33

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 /21
- B. 172.16.100.25 /20

- C. 172.16.100.25 /23
- D. 172.16.100.25 /22

Answer: D

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 network.

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 # 34

Move each cloud computing service model from the list on the left to the correct example on the right Note: You will receive partial credit for each correct answer.

Cloud Computing Service Models

IaaS

PaaS

SaaS

Examples

Three virtual machines are connected by a virtual network in the cloud.

Model

Users access a web-based graphics design application in the cloud for a monthly fee.

Model

A company develops applications using cloud-based resources and tools.

Model

Answer:

Explanation:

Cloud Computing Service Models

IaaS

PaaS

SaaS

Examples

Three virtual machines are connected by a virtual network in the cloud.

IaaS

Users access a web-based graphics design application in the cloud for a monthly fee.

SaaS

A company develops applications using cloud-based resources and tools.

PaaS

Explanation:

* Three virtual machines are connected by a virtual network in the cloud.

* Model: IaaS (Infrastructure as a Service)

* Explanation: IaaS provides virtualized computing resources over the internet, including virtual machines, storage, and networks.

* Users access a web-based graphics design application in the cloud for a monthly fee.

* Model: SaaS (Software as a Service)

* Explanation: SaaS delivers software applications over the internet, typically on a subscription basis, accessible via a web browser.

* A company develops applications using cloud-based resources and tools.

* Model: PaaS (Platform as a Service)

* Explanation: PaaS provides a platform allowing customers to develop, run, and manage applications without dealing with the infrastructure.

* IaaS (Infrastructure as a Service): Provides virtualized hardware resources that customers can use to build their own computing environments.

* PaaS (Platform as a Service): Offers a platform with tools and services to develop, test, and deploy applications.

* SaaS (Software as a Service): Delivers fully functional applications over the internet that users can access and use without managing the underlying infrastructure.

References:

* Cloud Service Models: Understanding IaaS, PaaS, SaaS

* NIST Definition of Cloud Computing: NIST Cloud Computing

NEW QUESTION # 35

Which command will display the following output?

Image is command output that states the following.

Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge, S - Switch, H - Host, I - IGMP,

Device ID	Local Intrfce	Holdtme	Capability	Platform	Port ID
esxi	Gig 0/5	177	S	VMware ES	vmnic0
esxi	Gig 0/7	177	S	VMware ES	vmnic1
esxi	Gig 0/6	177	S	VMware ES	vmnic2
981888fc23a7	Gig 0/47	160	R S	Meraki MR	Port 0
3456fec1d08	Gig 0/1	178	S	MS120-8LP	Port 9"

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

Answer: B

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 # 36

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