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NEW QUESTION: 1

Which aspect of Layer 3 analysis involves evaluating the operation and effectiveness of protocols such as RIP, OSPF, EIGRP, and BGP in dynamically exchanging routing information and building routing tables?

- A. Routing table analysis
- B. Routing convergence
- C. Route redistribution
- D. Routing protocols

Answer: (SHOW ANSWER)

NEW QUESTION: 2

A Solutions Architect wants to proactively monitor and troubleshoot intermittent network issues using on-box analytics. The goal is to create a script that runs directly on an HPE Aruba Networking CX switch to monitor the state of OSPF neighbors and automatically collect diagnostic logs if a neighbor relationship flaps.

Which specific software feature, unique to AOS-CX, is designed for this type of intelligent, on-box monitoring and event-driven automation?

- A. The industry-standard SNMP agent
- B. The Aruba Network Analytics Engine (NAE)
- C. The built-in packet capture utility (tcpdump)
- D. The out-of-band management (OOBM) port

Answer: B (LEAVE A REPLY)

NEW QUESTION: 3

A Network Technician is configuring a point-to-point link between two routers. The link uses the

10.255.0.0/30 subnet. The local router needs to be assigned the first usable IP address in this subnet.

What is the correct IP address to configure on the local router's interface?

- A. 10.255.0.2
- B. 10.255.0.1
- C. 10.255.0.3
- D. 10.255.0.0

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 4

A Junior Network Engineer is explaining the function of ARP to a colleague. A host computer (192.168.1.10) needs to send a packet to another host (192.168.1.20) on the same local network.

What is the primary purpose of the Address Resolution Protocol (ARP) in this scenario?

- A. To determine the best Layer 3 path to the destination host.
- B. To translate the private IP address to a public IP address for internet access.
- C. To assign a dynamic IP address to the source host.
- D. To resolve the IP address 192.168.1.20 to its corresponding MAC address.

Answer: [D \(LEAVE A REPLY\)](#)

NEW QUESTION: 5

Which are valid methods for provisioning AOS-CX switches? (Select three)

- A. Manual provisioning
- B. HPE Aruba Networking IMC
- C. Fabric Composer
- D. Zero-Touch Provisioning
- E. AirWave

Answer: [A,C,D \(LEAVE A REPLY\)](#)

NEW QUESTION: 6

A network technician is installing an HPE Aruba Networking CX 6300M switch and needs to provide power to several connected devices, including security cameras and wireless access points, using Power over Ethernet (PoE). The total power requirement for these devices is 400 watts. When selecting a power supply for the switch, what hardware specification must the technician verify to ensure the switch can meet this demand?

- A. The switching capacity in Gigabits per second (Gbps).
- B. The airflow direction (front-to-back or back-to-front).
- C. The number of 10GbE uplink ports.
- D. The total PoE power budget of the power supply.

Answer: [D \(LEAVE A REPLY\)](#)

NEW QUESTION: 7

A network technician is troubleshooting a user's complaint of being unable to reach a server. The technician uses the `ping` command from the user's default gateway (an AOS-CX switch) to the server's IP address (172.16.30.10) and receives a "Destination Host Unreachable" message. The technician then displays the switch's IP route table.

Review the routing table output:

show ip route

Codes: C - Connected, S - Static, R - RIP, O - OSPF, B - BGP > - Selected route, * - FIB
route S > 0.0.0.0/0 [1/0] via 10.1.254.1, vlan1 C > 10.1.0.0/16 is directly connected, vlan1
C > 192.168.1.0/24 is directly connected, vlan100 O > 192.168.50.0/24 [110/1] via
10.1.1.2, vlan1 Based on the routing table, what is the most likely cause of the "Destination
Host Unreachable" error?

- A. The OSPF protocol is not functioning correctly.
- B. The directly connected interface for VLAN 1 is down.
- C. The switch has no default route configured.
- D. The switch has no specific route to the 172.16.30.0 network.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 8

A network technician is configuring OSPF on an AOS-CX switch. The technician wants to ensure that the switch advertises its directly connected VLAN 10 (192.168.10.0/24) and VLAN 20 (192.168.20.0/24) networks to its OSPF neighbors.

Which configuration snippet correctly enables OSPF and includes these two networks in the OSPF process?

- A. router ospf 1
redistribute connected
- B. router ospf 1
network 192.168.10.0/24
network 192.168.20.0/24
- C. ip routing
router ospf 1
passive-interface vlan 10
passive-interface vlan 20
- D. router ospf 1
network 192.168.10.0/24 area 0
network 192.168.20.0/24 area 0

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 9

What is the advantage of Multiple Spanning Tree Protocol (MSTP) over traditional STP?

- A. It can only be used in networks with a single VLAN.

- B. It has a slower convergence time than STP.
- C. It supports load balancing across multiple instances.
- D. It requires fewer configuration changes in large networks.

Answer: (SHOW ANSWER)

NEW QUESTION: 10

A Network Operator is troubleshooting a connectivity issue where a host (10.10.10.50) cannot communicate with its default gateway (10.10.10.1). When the operator checks the ARP table on the gateway, the entry for 10.10.10.50 is "Incomplete".

What is the function of the Address Resolution Protocol (ARP) in this scenario?

- A. To determine the Layer 3 route the host should use to reach the gateway.
- B. To translate the private IP address of the host to a public IP address.
- C. To discover the MAC address of the host associated with the IP address 10.10.10.50.
- D. To assign a dynamic IP address to the host.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 11

A Solutions Architect is planning a network installation that requires a 10Gbps connection between two data centers located 15 kilometers apart.

Which Layer 1 media type and transceiver combination is designed for this purpose?

(Choose 2.)

- A. 10G-SR (Short Reach) transceiver
- B. Single-mode fiber (SMF)
- C. 10G-LR (Long Reach) transceiver
- D. UTP Cat6a copper cable
- E. Multi-mode fiber (MMF)

Answer: B,C (LEAVE A REPLY)

NEW QUESTION: 12

A Network Technician is troubleshooting a connectivity issue where a user on port 1/1/10 cannot reach the internet. The technician needs to verify the user's Layer 1 and Layer 2 connectivity and see if the switch is learning the user's MAC address.

The technician needs to answer the following questions:

- * Is the port physically connected and up?
- * What VLAN is the port assigned to?
- * Is the switch learning any MAC addresses on that port?
- * What is the speed and duplex of the link?

Which of the following validation commands provides the most comprehensive output to answer all these questions at once?

- A. ``show mac-address-table interface 1/1/10``
- B. ``show interface 1/1/10``

- C. `show vlan port 1/1/10`
- D. `show running-config interface 1/1/10`

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 13

What is true about AOS-CX configuration file management? (Select three)

- A. The configuration file that is used while the switch is in operation is typically stored in a flash file system.
- B. Checkpoints are files--a snapshot of the configuration at a given time.
- C. It is a good idea to copy the running configuration to the startup configuration after you have made changes to the configuration file that is currently in use.
- D. The advantage of a "checkpoint" is that it stores operational metadata, in addition to the device configuration.

Answer: B,C,D ([LEAVE A REPLY](#))

NEW QUESTION: 14

Which type of routing protocol dynamically adapts to changes in network topology and link status?

- A. Dynamic routing
- B. Distance-vector routing
- C. Link-state routing
- D. Static routing

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 15

A Network Technician is configuring a Switched Virtual Interface (SVI) for VLAN 10 to act as the default gateway for that subnet. The desired IP address is 192.168.10.1 with a subnet mask of 255.255.255.0.

Which command sequence correctly configures this SVI?

- A. switch(config)# router vlan 10
switch(config-router)# ip address 192.168.10.1/24
- B. switch(config)# vlan 10
switch(config-vlan-10)# ip address 192.168.10.1/24
- C. switch(config)# interface vlan 10
switch(config-if-vlan)# ip address 192.168.10.1/24
- D. switch(config)# interface 1/1/10
switch(config-if)# vlan access 10
switch(config-if)# ip address 192.168.10.1/24

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 16

Given IP address 172.20.3.54 and a mask of 255.255.255.0, what can be accurately stated about this addressing? (Select three)

- A. A switch might use this address to forward the packet
- B. Host 172.20.3.89 would be on the same network
- C. You could also indicate this mask as "/24"
- D. The host portion of the address is .3.54
- E. The network portion of the address is 172.20.3

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 17

A Network Technician is connecting two switches in a wiring closet that are 2 meters apart. The connection needs to support 1Gbps of bandwidth.

Which of the following is the most common and cost-effective Layer 1 media to use for this connection?

- A. Coaxial cable
- B. UTP (Unshielded Twisted Pair) copper cable
- C. Single-mode fiber optic cable
- D. Multi-mode fiber optic cable

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 18

Which of the statements describe valid AOS-CX secure management access concepts? (Select two)

- A. AAA accounting controls what you can do once you log in to the device.
- B. AAA services can be used in both the management VRF and the default VRF.
- C. Role-Based Access Control (RBAC) is based on a user's group assignment.
- D. An easy way to modify several users' access is to modify the "operators" group.
- E. Advantages of using a RADIUS server include simplicity and faster authentication operations.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 19

Which are true for providing dynamic IP addresses (DHCP) for hosts in a VLAN? (Select two)

- A. AOS-CX switches do not support hosts with dynamic IP addresses.
- B. A DHCP server could be attached (connected) to the same VLAN.
- C. Using the IP helper feature in a multilayer switch.
- D. Using static routes, an AOS-CX switch can forward DHCP discovery packets to the DHCP server.

Answer: A,C ([LEAVE A REPLY](#))

NEW QUESTION: 20

A Network Operator is evaluating the different ways to interact with an HPE Aruba Networking CX switch. The operator needs to understand which tools are best suited for different tasks. Which of the following statements correctly matches the management tool to its primary use case? (Select all that apply.)

- A. The CLI is best for interactive, real-time troubleshooting and detailed, granular configuration.
- B. The REST API is best for automating repetitive tasks and integrating the switch with other IT systems.
- C. The web UI (GUI) is best for getting a quick, visual overview of the switch's status and for performing basic configuration tasks.
- D. Aruba Central is best for managing a single switch without an internet connection.
- E. The Aruba CX Mobile App is best for remotely managing hundreds of switches from a central office.

Answer: A,B,C ([LEAVE A REPLY](#))

NEW QUESTION: 21

A Solutions Architect is choosing between different switch families in the HPE Aruba Networking portfolio. The primary requirement for an upcoming deployment is support for Virtual Switching Framework (VSF) to stack up to 10 switches into a single logical device for simplified management at the campus aggregation layer.

Which switch series has this specific software and hardware capability?

- A. Aruba CX 6300 Series
- B. Aruba CX 6000 Series
- C. All AOS-CX switches support 10-member VSF stacking.
- D. Aruba CX 8320 Series

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 22

What is true from the following lines of configuration?

```
SW1(config)# interface 1/1/24
```

SW1(config-if)# vlan trunk allow 1,20

- A. There is no native VLAN.
- B. Native VLAN is VLAN-1.
- C. VLAN-20 is the native VLAN.
- D. VLAN-10 is permitted in the trunk port.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 23

A network is being designed to support voice, video, and data. A Solutions Architect needs to explain to the customer why simply having a high-bandwidth network (e.g., 10 Gbps links) is not enough to guarantee high-quality voice and video calls.

Which statements accurately describe the significance of QoS in this high-bandwidth converged network? (Select all that apply.)

- A. QoS allows the network to provide predictable and reliable service for critical applications, regardless of the other traffic on the network.
- B. QoS is primarily for low-bandwidth networks (less than 1 Gbps).
- C. QoS ensures that even if the link is not fully saturated, delay-sensitive packets (like VoIP) are always processed and forwarded first by the switch.
- D. Even on high-bandwidth links, microbursts of traffic can cause momentary congestion, leading to jitter and packet loss for real-time applications.
- E. QoS is not needed because the high bandwidth prevents all forms of congestion.

Answer: A,C,D ([LEAVE A REPLY](#))

NEW QUESTION: 24

What type of network is characterized by having only two peers on the link?

- A. Token ring
- B. Non-Broadcast Multiple Access (NBMA)
- C. Ethernet
- D. Point-to-point
- E. Broadcast

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 25

A Network Operator is in the process of decommissioning an old server. Before the server is disconnected from the network, the operator needs to remove the static ARP entry that was configured on the core switch for the server's IP address (192.168.10.250). The existing static ARP entry maps the server's IP to its MAC address on VLAN 10. The operator needs to remove this entry completely.

Which of the following commands correctly removes the static ARP entry?

- A. `no ip arp 192.168.10.250`
- B. `no arp 192.168.10.250`

- C. ``delete arp 192.168.10.250``
- D. ``clear arp 192.168.10.250``

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 26

A Network Operator is configuring an access port on an AOS-CX switch for a user's workstation.

The workstation should only be able to communicate with other devices in the "Staff" VLAN, which has a VLAN ID of 100.

Which two commands are essential to configure the switch port correctly? (Choose 2.)

- A. ``vlan trunk native 100``
- B. ``no shutdown``
- C. ``interface 1/1/5``
- D. ``vlan access 100``
- E. ``vlan trunk allowed 100``

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 27

A Solutions Architect is diagnosing a network issue where a specific server is unreachable. The architect uses ``traceroute`` and the output stops at a particular router, which is the last responsive hop. The architect now wants to verify the complete routing table on that specific router to understand why it is not forwarding the traffic correctly.

```
1 10.1.1.1 (10.1.1.1) 1.123 ms 1.122 ms 1.121 ms
2 10.10.1.2 (10.10.1.2) 5.432 ms 5.433 ms 5.432 ms
3 * * *
4 * * *
```

The last responsive hop is 10.10.1.2.

Which command would the architect use on the router at 10.10.1.2 to validate its entire Layer 3 forwarding table?

- A. ``show ip route``
- B. ``show mac-address-table``
- C. ``show interface brief``
- D. ``show lldp neighbor-info``

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

A Network Operator is reviewing the VLAN configuration on an AOS-CX switch.

```
show vlan
```

```
VLAN ID Name Status
```

```
- - - -
```

```
1 DEFAULT_VLAN Active
```

10 Sales Active

20 Engineering Active

30 Marketing Active

What is the primary purpose of creating these separate VLANs?

- A.** To segment the network into multiple, isolated broadcast domains.
- B.** To create a single, large broadcast domain for easier management.
- C.** To physically separate the departments onto different switches.
- D.** To combine all departments into a single collision domain.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

A Solutions Architect is designing a highly available core layer for a campus network using two HPE Aruba Networking CX 8325 switches. The primary goals are to provide a single, unified management point, eliminate Spanning Tree Protocol (STP) for core links, and ensure seamless failover for downstream access layer switches and connected devices. The architect has chosen to implement Virtual Switching Framework (VSF) to stack the two core switches. What is the primary benefit of using VSF in this design compared to traditional redundancy protocols like STP?

- A.** It increases the number of available physical ports by combining the ports of both switches.
- B.** It provides faster convergence than STP by using Layer 3 OSPF for loop prevention.
- C.** It simplifies IP address management by assigning a separate IP address to each switch in the stack.
- D.** It allows both switches in the stack to actively forward traffic simultaneously, effectively doubling the core bandwidth.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

A network technician is configuring an Access Control List (ACL) to enhance security. The goal is to permit a specific host (192.168.10.50) to access a web server (10.0.0.10) but deny all other traffic from the 192.168.10.0/24 subnet.

Review the following ACL configuration:

```
ip access-list standard WEBSERVER-ACL
```

```
10 permit host 192.168.10.50
```

```
20 deny any
```

```
interface vlan 10
```

```
ip access-group WEBSERVER-ACL in
```

What is the result of applying this ACL?

- A.** All traffic from 192.168.10.50 will be permitted, but all other hosts in VLAN 10 will be unable to access any resources.
- B.** Only HTTP traffic from 192.168.10.50 to 10.0.0.10 will be permitted.

C. All hosts in VLAN 10 will be unable to communicate with any device outside of VLAN 10.

D. The ACL will have no effect because it does not specify the destination web server.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 31

A user is unable to access a web server at 10.10.20.5 from their workstation (10.10.10.100). A Junior Network Engineer checks the routing table on the user's local switch. What is the primary function of a routing table in this troubleshooting scenario?

A. To map VLAN IDs to specific switch ports.

B. To provide a list of all active physical interfaces on the switch.

C. To determine the next-hop path for forwarding packets to a destination network.

D. To store the MAC addresses of all connected devices.

Answer: C (LEAVE A REPLY)

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NEW QUESTION: 32

A Network Operator needs to configure a connection between two switches that will carry traffic for multiple VLANs (VLAN 10, 20, and 30). Which type of port configuration is required on the link between the two switches?

A. A port with BPDU guard enabled.

B. A routed port with an IP address.

C. A trunk port.

D. An access port in VLAN 10.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 33

A Network Operator is configuring a QoS policy on a switch port to limit the amount of inbound HTTP traffic to 10 Mbps to prevent it from consuming all available bandwidth. What is the term for this QoS mechanism that enforces a bandwidth limit and typically drops packets that exceed the configured rate?

A. Marking

B. Policing (Rate Limiting)

C. Classification

D. Queuing

Answer: B (LEAVE A REPLY)

NEW QUESTION: 34

A Solutions Architect is presenting the HPE Aruba Networking switching portfolio to a customer.

The customer needs to understand the primary software differentiator of the AOS-CX operating system. Which feature is a core component and key differentiator of the AOS-CX software architecture?

A. A microservices-based, database-driven architecture.

B. Its exclusive support for the EIGRP routing protocol.

C. A proprietary command-line interface that is unique to each switch model.

D. A monolithic kernel that combines all processes into a single software image.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 35

A network administrator is responsible for maintaining a large number of HPE Aruba Networking CX switches. As a best practice, they regularly update the switch firmware.

The administrator has downloaded a new firmware image, `FL.10.09.1020.swi`, to a TFTP server. The goal is to update the secondary image partition on a switch without interrupting the currently running primary image. Which set of commands will achieve this administrative task? (Select all that apply.)

A. `copy tftp://192.168.1.100/FL.10.09.1020.swi secondary`

B. `show images`

C. `boot system secondary`

D. `copy tftp://192.168.1.100/FL.10.09.1020.swi primary`

E. `write memory`

Answer: A,B (LEAVE A REPLY)

NEW QUESTION: 36

A solutions architect is designing a resilient routing solution for a campus network. A critical requirement is that if a primary link to the internet fails, traffic must automatically re-route through a secondary link with minimal packet loss. The primary link has a bandwidth of 1Gbps and the secondary link is 100Mbps.

The administrator is considering using static routes.

Review the following proposed configuration on the core switch:

```
ip route 0.0.0.0/0 10.100.1.1
```

```
ip route 0.0.0.0/0 10.200.1.1
```

How can the administrator ensure the 1Gbps link (via 10.100.1.1) is the primary path and the

100Mbps link (via 10.200.1.1) is only used for failover?

- A. Configure OSPF, as static routes do not support failover.
- B. Add the metric `200` to the static route pointing to `10.200.1.1`.
- C. Change the second route to `ip route 0.0.0.0/0 10.200.1.1 secondary`.
- D. The switch will automatically prefer the 1Gbps link based on its interface speed.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 37

A Network Operator is segmenting a large flat network into multiple VLANs to reduce the size of the broadcast domain.

Which statement best describes a broadcast domain?

- A. A network area where all devices are on the same physical switch.
- B. The set of all devices that will receive broadcast frames originating from any one device within the set.
- C. The path a packet takes from a source to a destination across multiple router hops.
- D. A network segment where all devices share the same collision domain.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 38

A Network Technician is physically installing a stack of Aruba CX 6200F switches. What is a key hardware differentiator of this specific switch series that is used to create the stack?

- A. They cannot be stacked.
- B. They are stacked virtually using a dedicated management network.
- C. They use dedicated VSF stacking ports on the rear of the switch.
- D. They use the front-panel SFP ports for stacking.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 39

A Solutions Architect is designing a network automation solution for a large campus environment running HPE Aruba Networking CX switches. The customer wants to be able to use scripts to monitor and configure the switches in a programmatic way.

Which built-in software capability of AOS-CX is specifically designed for this type of on-box automation?

- A. A network analysis module powered by machine learning.
- B. A graphical traffic-flow visualization tool.
- C. A full-featured Python interpreter and REST API.
- D. The ability to run third-party containerized applications.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 40

A Support Technician is helping a customer choose an appropriate SFP+ transceiver for a

10Gbps connection over multi-mode fiber.

Which hardware characteristics are important to consider when selecting a transceiver?

(Select all that apply.)

- A. The required reach or distance of the connection.
- B. The brand of the device at the other end of the fiber.
- C. The VLAN ID that will be used on the connection.
- D. The required speed of the connection (e.g., 1Gbps, 10Gbps).
- E. The type of fiber optic cable being used (multi-mode vs. single-mode).

Answer: A,D,E ([LEAVE A REPLY](#))

NEW QUESTION: 41

A router's IP routing table has an entry with a next-hop IP address of 10.30.233.1.

What does this number represent?

- A. The next Layer 3 device that should receive the packet.
- B. The cached ARP entry for the destination MAC address.
- C. The packet destination.
- D. The next Layer 2 switch that should receive the packet.
- E. The router's own egress interface for routing.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 42

Which of the options below accurately describe network discovery commands or techniques?

- A. LLDP is a Layer 2 discovery protocol.
- B. The ping command leverages ICMP echo requests and echo replies.
- C. You typically use the ping command to help document your network.
- D. If the ping or traceroute command fails, you know that you have connectivity issue.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 43

How does dynamic Link Aggregation Group (LAG) differ from a static LAG?

- A. Dynamic LAGs automatically negotiate and manage link aggregation.
- B. Static LAGs utilize protocols like LACP for automatic link aggregation.
- C. Dynamic LAGs require manual configuration by network administrators.
- D. Static LAGs provide load-balancing capabilities without additional configuration.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 44

A Network Technician is connecting a new server to an HPE Aruba Networking CX switch using a Direct Attach Copper (DAC) cable.

What are the primary characteristics of DAC cables at the physical layer? (Select all that apply.)

- A. They are a form of fiber optic cabling.
- B. They are used for very long-distance connections, typically over 1 kilometer.
- C. They are pre-terminated with transceiver-like ends (e.g., SFP+ or QSFP).
- D. They require a separate power source to operate.
- E. They are a low-cost, low-latency solution for short-distance, high-speed connections within a rack.

Answer: C,E ([LEAVE A REPLY](#))

NEW QUESTION: 45

Which of the options below accurately describes the difference between collision domains and broadcast domains? (Select two)

- A. Collision domains relate to Layer 2 processes, while broadcast domains are a Layer 3 concept.
- B. Broadcast domains are mainly a problem when you use a hub device.
- C. A switch port defines the edge of a collision domain.
- D. Collisions are quite common in modern network switches.
- E. A routing device defines the edge of a broadcast domain.

Answer: D,E ([LEAVE A REPLY](#))

NEW QUESTION: 46

A Support Technician is troubleshooting a problem where a new VoIP phone is not turning on when connected to port 1/1/10 of an AOS-CX switch. The technician needs to verify if the switch is providing Power over Ethernet (PoE) to the port and check its status.

show power-over-ethernet interface 1/1/10

Status and Counters - Port Power Status for port 1/1/10 Power Enable : Yes PoE Port Status : Searching

...

Detection Status : Searching

Based on the output, what is the most likely issue?

- A. The port is administratively disabled.
- B. The port's PoE priority is configured too low.
- C. The VoIP phone connected to the port is not a PoE-capable device or has failed.
- D. The switch has insufficient power in its PoE budget.

Answer: C ([LEAVE A REPLY](#))

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NEW QUESTION: 47

A Network Operator is managing an HPE Aruba Networking CX 6300 switch. They need to securely manage the switch remotely using a graphical interface. Which management option provides an encrypted, browser-based graphical user interface for switch configuration and monitoring?

- A. The serial console port
- B. The out-of-band management (OOBM) port
- C. The Telnet service
- D. The HTTPS web interface

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 48

A Solutions Architect is conducting a final validation of a newly installed core switch. The architect needs to quickly get a high-level summary of the switch's health and resources. Which troubleshooting commands would provide a good "dashboard" view of the switch's overall health?

(Select all that apply.)

- A. `show system resource-utilization`
- B. `show system`
- C. `show mac-address-table`
- D. `show running-config`
- E. `show logging -r`

Answer: A,B,E ([LEAVE A REPLY](#))

NEW QUESTION: 49

What IP protocol number is associated with OSPF?

- A. 6
- B. 89
- C. 255
- D. 17
- E. 123

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 50

In which layer should the network have the faster switches (throughput)?

- A. Layer 2

- B. Aggregation layer
- C. Access layer
- D. Core layer

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 51

A Network Operator is managing a campus network with multiple HPE Aruba Networking CX switches. To ensure the ability to roll back to a known-good state before making significant changes, a checkpoint of the running configuration is created using the command `copy running-config checkpoint pre-change-01`. After making several configuration changes related to VLANs and routing, the operator discovers that the changes have caused network instability. They need to revert the switch to the exact state it was in before the changes were made.

Which command should the operator use to immediately restore the switch's active configuration from the checkpoint?

- A. `copy checkpoint pre-change-01 startup-config` followed by a reboot
- B. `erase startup-config` followed by a reboot
- C. `checkpoint rollback pre-change-01`
- D. `copy startup-config running-config`

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 52

A Network Operator is managing a two-member VSF stack. The operator needs to verify the health of the stack and confirm which member is currently acting as the Commander (master).

show vsf

VSF Domain ID : 1

VSF Mode : VSF

VSF Status : Active

VSF Uptime : 7 days, 2 hours, 13 minutes

VSF System MAC : 00:00:1c:c1:00:00

Mbr

ID MAC Address Model Pri Status

- - - -

1 00:00:1c:c1:00:00 Aruba-8325-48Y8C 128 Commander

2 00:00:1c:c2:00:00 Aruba-8325-48Y8C 128 Standby

Based on the command output, which statements are true about the state of this VSF stack?

(Select all that apply.)

- A. The priority of Member 2 needs to be increased for it to become the Standby.
- B. The stack is currently in a failed or inactive state.

- C. Both members are actively forwarding traffic.
- D. The VSF stack is using a ring topology for its VSF links.
- E. Member 2 will take over as Commander if Member 1 fails.

Answer: C,E ([LEAVE A REPLY](#))

NEW QUESTION: 53

A Network Operator is in a data center and needs to quickly provision a new HPE Aruba Networking CX switch. The operator has their smartphone and wants to perform the initial configuration, connect the switch to Aruba Central, and check its status without using a laptop.

Which tool is specifically designed for this on-site, mobile-first workflow?

- A. The serial console port.
- B. Aruba Central via a web browser.
- C. The REST API.
- D. The Aruba CX Mobile App.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 54

A Solutions Architect has just completed the Layer 3 configuration for a new campus core switch.

The configuration includes several Switched Virtual Interfaces (SVIs) for inter-VLAN routing and a static default route for internet access. Before handing the solution over to the operations team, the architect needs to perform a final validation of the IP routing setup. The architect needs to verify the following in a single, consolidated view:

- * That the directly connected VLAN interfaces (SVIs) are active in the routing table.
- * That the static default route is correctly installed and active.
- * The IP addresses of any next-hop gateways.

Which of the following validation commands provides this complete overview of the switch's Layer

3 forwarding information?

- A. ``show ip interface brief``
- B. ``show arp``
- C. ``show ip route``
- D. ``show running-config``

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 55

A Security Analyst is hardening a network and wants to implement filtering rules that block specific types of traffic based on the logical addresses of the source and destination. For example, they want to block all traffic from the 10.0.0.0/8 network.

At which layer of the OSI model do routers and multi-layer switches make forwarding decisions based on this type of logical addressing? (Choose 2.)

- A. Layer 3 (Network)
- B. Layer 4 (Transport)
- C. This is a function of a firewall, not a specific OSI layer.
- D. Layer 7 (Application)
- E. Layer 2 (Data Link)

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 56

A Network Administrator is troubleshooting an intermittent connectivity issue between two subnets, VLAN 20 and VLAN 30. They suspect a routing loop or a duplicate IP address might be the cause. The administrator wants to trace the Layer 3 path from the default gateway of VLAN

20 (SW-1) to a host in VLAN 30.

Which troubleshooting steps are most effective for diagnosing this issue? (Choose 2.)

- A. Use ``traceroute <vlan30_host_ip>`` on SW-1 to identify the routing path and any potential loops.
- B. Use ``show spanning-tree`` on SW-1 to check the Layer 3 routing topology.
- C. Use ``ping <vlan30_host_ip> repeat 100`` on SW-1 to confirm the intermittent nature of the problem.
- D. Use ``show arp | include <vlan30_host_ip>`` on SW-1 to check for a valid ARP entry.
- E. Use ``show mac-address-table`` on SW-1 to find the IP address of the host.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 57

A Network Operator is working on a converged network that carries voice, video, and data traffic.

Users are complaining about poor quality on their VoIP calls, such as jitter and dropped words, especially when large file transfers are happening on the network. What is the primary role of Quality of Service (QoS) in resolving this issue?

- A. To block the file transfer traffic whenever a voice call is active.
- B. To encrypt the voice traffic to protect it from the data traffic.
- C. To increase the total bandwidth of the network connection.
- D. To manage network resources and prioritize the delay-sensitive voice traffic over the less sensitive file transfer traffic.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 58

A Solutions Architect needs to explain the programmability options of AOS-CX to a customer's development team. The team wants to write applications that can react to

network events in real time. Which toolset allows a developer to write a script, install it on the switch itself, and have that script subscribe to state changes in the switch's database to trigger automated actions?

- A. The SNMP agent and MIBs
- B. The legacy script-host feature
- C. The Aruba Central API gateway
- D. The on-box Python interpreter and AOS-CX Python SDK

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 59

Which type of interface is used for internal routing and connects a Layer 2 VLAN to the internal routing functions in a multi-layer switch?

- A. Switch Virtual Interface (SVI)
- B. Layer 2 switch port
- C. Layer 2 physical routed port
- D. Trunk port

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 60

Which IEEE standard defines the Link Aggregation Control Protocol (LACP)?

- A. IEEE 802.1Q
- B. IEEE 802.15.4
- C. IEEE 802.3ad
- D. IEEE 802.11

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 61

A network technician is securing the management plane of an AOS-CX switch. The policy states that management access should be restricted to a specific subnet used by the network operations team. What are the most effective security controls to achieve this? (Select all that apply.)

- A. Apply the management access ACL to the control plane (CoPP).
- B. Disable unused physical ports on the switch.
- C. Apply the management access ACL to the default VRF.
- D. Configure a local user account with a strong password.
- E. Create an extended ACL that permits SSH and HTTPS traffic only from the management subnet and denies all other traffic.

Answer: A,E ([LEAVE A REPLY](#))

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NEW QUESTION: 62

A Network Operator is reviewing the Spanning Tree status on an access switch. One port, 1/1/48, which is an uplink to a distribution switch, is showing a "Blocking" state.

show spanning-tree

Spanning Tree Information

STP Enabled : Yes

Mode : RSTP

Root Bridge ID : 00:00:00:00:01:00

This Bridge ID : 00:00:00:00:02:00

Port Role State Cost Priority

- - - - -

1/1/1 Designated Forwarding 20000 128

...

1/1/48 Alternate Blocking 20000 128

What does the "Alternate" role for port 1/1/48 in an RSTP environment signify?

- A. The port has detected a BPDU guard violation and is in a shutdown state.
- B. The port is disabled and cannot be used.
- C. The port is actively forwarding traffic but is not the primary uplink.
- D. The port provides a redundant, backup path towards the Root Bridge.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 63

A junior network engineer is studying for a certification and needs to understand how a router makes a forwarding decision when it has multiple routes to the same destination network.

Consider the following entries in a routing table:

S > 0.0.0.0/0 [1/0] via 10.1.1.1

O > 172.16.0.0/16 [110/20] via 10.2.2.2

S > 172.16.10.0/24 [1/0] via 10.3.3.3

If the router receives a packet with a destination IP address of 172.16.10.5, which route will it use?

- A. The default route to 0.0.0.0/0 because it has the lowest administrative distance.
- B. The OSPF route to 172.16.0.0/16 because OSPF is a dynamic protocol.

- C. The router will load balance the traffic between the OSPF and the static route.
- D. The static route to 172.16.10.0/24 because it is the most specific match.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 64

A Junior Network Engineer is setting up a switch in a lab environment for a pre-boot execution environment (PXE). A server needs to download its boot file from the switch without the overhead of authentication or encryption. The process needs to be as simple as possible.

Which protocol is most suitable for this scenario?

- A. SFTP
- B. TFTP (Trivial File Transfer Protocol)
- C. SNMPv2
- D. FTP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 65

A Network Operator is investigating a report of intermittent connectivity between a user in the Sales VLAN (VLAN 10, subnet 192.168.10.0/24) and a server in the Finance VLAN (VLAN 20, subnet 192.168.20.0/24). The operator suspects a routing issue on the core switch that handles inter-VLAN routing.

The operator logs into the core switch and runs `show ip route`.

show ip route

Codes: C - Connected, S - Static, R - RIP, O - OSPF, B - BGP > - Selected route, * - FIB
route S > 0.0.0.0/0 [1/0] via 172.16.1.1, vlan1 C > 172.16.1.0/30 is directly connected,
vlan1 C > 192.168.10.0/24 is directly connected, vlan10 C > 192.168.20.0/24 is directly
connected, vlan20 O > 192.168.30.0/24 [110/2] via 172.16.1.1, vlan1 The routing table
appears correct. To investigate the *intermittent* nature of the problem, the operator needs
to see the real-time, hop-by-hop path the traffic is taking between the user and the server.
Which command should the operator use from the core switch's CLI to trace this path?

- A. `ping 192.168.20.5`
- B. `show arp | include 192.168.20.5`
- C. `debug ip routing`
- D. `traceroute 192.168.20.5 source 192.168.10.1`

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

A Network Technician is configuring a new AOS-CX switch to enable it to route traffic between different VLANs. The switch has several VLANs with IP addresses (SVIs) already configured.

Which single command must be enabled in the global configuration context to activate the switch's Layer 3 routing capabilities?

- A. ``router ospf 1``
- B. ``enable``
- C. ``ip default-gateway``
- D. ``ip routing``

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 67

Which command could you use to validate the status of the interfaces on the switch?

- A. show interface transceiver detail
- B. show running-config
- C. show events
- D. show system
- E. show interface brief

Answer: E ([LEAVE A REPLY](#))

NEW QUESTION: 68

A Network Operator needs to explain to a new team member how a switch prevents the endless looping of broadcast frames in a physically redundant topology. What Layer 2 protocol is specifically designed to prevent these loops by logically blocking redundant paths?

- A. ARP (Address Resolution Protocol)
- B. LACP (Link Aggregation Control Protocol)
- C. LLDP (Link Layer Discovery Protocol)
- D. STP (Spanning Tree Protocol)

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 69

Which network category applies to a SOHO internal network?

- A. SD-WAN
- B. LAN
- C. WAN
- D. Internet

Answer: ([SHOW ANSWER](#))

LAN is a group of computer devices that are geographically in the same place. For example, a group of devices within a building can be considered a LAN.

LANs are used in several settings:

- Small Office/Home Office (SOHO)
- Office LANS
- Building LANs

- Campus LANs

NEW QUESTION: 70

A Solutions Architect is designing the physical infrastructure for a new office building. The design requires horizontal cable runs from wiring closets to user desks, with a maximum length of 90 meters. The network must support 1Gbps connectivity for all users today, with the potential to upgrade to 5Gbps in the future using the same cabling.

Which is the most appropriate and future-proof type of copper cabling to install?

- A. Cat6a
- B. Cat6
- C. Cat5e
- D. Cat7

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 71

A Network Technician has been given a list of `show` commands to validate the configuration of a newly installed HPE Aruba Networking CX switch. The technician needs to verify the status of all IP- configured interfaces on the switch, including VLAN interfaces (SVIs) and the out-of-band management port.

The technician wants a single command that produces a table-like output, with one line per interface, showing the interface name, its IP address, and its status. Which of the following validation commands is the best tool for this specific purpose?

- A. `show ip interface brief`
- B. `show ip route`
- C. `show running-config`
- D. `show interface brief`

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 72

What are the default AOS-CX user groups? (Select three)

- A. Manager
- B. Operator
- C. Administrator
- D. Auditor
- E. Guest
- F. Visitor

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 73

A Network Operator is configuring a port on an HPE Aruba Networking CX switch that will connect to a VoIP phone. The phone needs to have its own traffic on the voice VLAN

(VLAN 20), while a user's computer connected to the phone's built-in switch needs to be on the data VLAN (VLAN 10). Which VLAN configuration concept is required on the switch port to support this setup?

- A. An access port assigned to VLAN 20.
- B. An access port assigned to VLAN 10.
- C. A trunk port that tags both VLAN 10 and VLAN 20.
- D. A trunk port with a native VLAN of 10 and tagged VLAN 20.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 74

A Solutions Architect is deploying a new two-tier campus network. The core switch is an HPE Aruba Networking CX 8325, and it must be configured to route traffic between three user VLANs (VLAN 10, VLAN 20, VLAN 30) and provide a default route to the internet via a firewall at

172.16.1.1. The architect has documented the required SVI configurations and the static default route.

Initial State:

- * VLANs 10, 20, and 30 are already created on the switch.
- * The connection to the firewall is on port 1/1/48, which is in VLAN 1.

Required Configuration:

- * VLAN 10 SVI: IP Address 10.10.10.1/24
- * VLAN 20 SVI: IP Address 10.10.20.1/24
- * VLAN 30 SVI: IP Address 10.10.30.1/24
- * Firewall Uplink SVI (VLAN 1): IP Address 172.16.1.2/30
- * Default Route: Pointing to the firewall at 172.16.1.1 Which of the following configuration sets correctly implements the specified Layer 3 routing requirements?

A. ip routing

```
interface vlan 1
ip address 172.16.1.2/30
interface vlan 10
ip address 10.10.10.1/24
interface vlan 20
ip address 10.10.20.1/24
interface vlan 30
ip address 10.10.30.1/24
ip route 0.0.0.0/0 172.16.1.1
```

B. ip routing

```
interface vlan 1
ip address 172.16.1.2/30
interface vlan 10
ip address 10.10.10.1/24
```

```
interface vlan 20
ip address 10.10.20.1/24
interface vlan 30
ip address 10.10.30.1/24
ip route 172.16.1.1 0.0.0.0/0
C. interface vlan 1
ip address 172.16.1.2 255.255.255.252
interface vlan 10
ip address 10.10.10.1 255.255.255.0
interface vlan 20
ip address 10.10.20.1 255.255.255.0
interface vlan 30
ip address 10.10.30.1 255.255.255.0
ip static-route 0.0.0.0/0 172.16.1.1
D. interface vlan 1
ip address 172.16.1.2/30
interface vlan 10
ip address 10.10.10.1/24
interface vlan 20
ip address 10.10.20.1/24
interface vlan 30
ip address 10.10.30.1/24
ip route 0.0.0.0/0 172.16.1.1
Answer: A (LEAVE A REPLY)
```

NEW QUESTION: 75

When might a switch add a VLAN tag to a frame?

- A.** When it accepts a frame from another switch
- B.** When it forwards the frame to a PC or client
- C.** When it forwards the frame to another switch
- D.** When it forwards the frame to a server
- E.** When it accepts a frame from a server

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 76

A network operator is troubleshooting an application that sends a large amount of data using UDP. Users are complaining that the data is arriving corrupted. The operator states that UDP itself cannot fix this.

Why is this statement correct?

- A.** UDP uses the IP protocol's checksum, so it doesn't need its own.
- B.** UDP relies on the Application Layer to implement any error checking.

- C. UDP's header is too small to contain a checksum field.
- D. The UDP checksum is optional for IPv4 and does not provide guaranteed error correction.

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 77

Which load balancing algorithm typically uses source and destination IP addresses to determine traffic distribution in a LAG?

- A. Weighted
- B. Least Connections
- C. Hash-based
- D. Round Robin

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 78

A Network Operator is explaining the difference between TCP and UDP to a junior technician, focusing on why a streaming video application might use UDP. Which of the following characteristics are primary reasons for using UDP over TCP for real-time applications? (Select all that apply.)

- A. It has a lower header overhead, which adds less data to each packet.
- B. It uses acknowledgements to ensure every segment is received.
- C. It establishes a reliable, three-way handshake before sending data.
- D. It guarantees the delivery of all packets in the correct order.
- E. It does not retransmit lost packets, which avoids increasing latency.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 79

What is the primary purpose of Spanning Tree Protocol (STP) in Ethernet networks?

- A. Quality of Service (QoS) management
- B. Loop prevention
- C. Load balancing
- D. Network segmentation

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 80

What is the primary difference between a data center network and a campus network?

- A.** Data center networks prioritize wireless connectivity, whereas campus networks prioritize wired connections.
- B.** Data center networks are typically optimized for high bandwidth and low latency, while campus networks are designed to support a large number of users and devices over a broader geographic area.
- C.** Campus networks are typically optimized for high bandwidth and low latency, while data center networks are designed to support a large number of users and devices over a broader geographic area.
- D.** Data center networks are only used for cloud services, while campus networks are used for local area networks (LANs).

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 81

A junior network engineer needs to configure a network interface with the IP address 10.1.1.1 and a subnet mask of 255.255.255.0.

Which of the following are valid ways to express this configuration on an HPE Aruba Networking CX switch? (Select all that apply.)

- A.** ``ipv4 address 10.1.1.1/24``
- B.** ``ip address 10.1.1.1 255.255.255.0``
- C.** ``set ip address 10.1.1.1 mask 255.255.255.0``
- D.** ``ip address 10.1.1.1/255.255.255.0``
- E.** ``ip address 10.1.1.1/24``

Answer: B,E ([LEAVE A REPLY](#))

NEW QUESTION: 82

What is the purpose of a routing table in IP networking, and how does it influence the forwarding of data packets?

- A.** It defines the subnet masks for connected networks
- B.** It stores information about the next-hop routers
- C.** It determines the best path for forwarding data packets
- D.** It regulates the flow of traffic within a network segment

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 83

A network administrator is troubleshooting an OSPF configuration. Two routers are connected, but they are not forming an adjacency. The administrator checks the OSPF interface configuration on one of the AOS-CX switches.

Review the configuration:

```
interface 1/1/1
no shutdown
ip address 10.0.0.1/24
ip ospf 1 area 0.0.0.0
ip ospf hello-interval 5
router ospf 1
router-id 1.1.1.1
```

The administrator confirms the neighboring router has a hello interval of 10. What is the most likely reason the OSPF adjacency is not forming?

- A. The interface is missing an `ip ospf network point-to-point` command.
- B. The OSPF hello timers do not match between the two routers.
- C. The OSPF area is misconfigured as a backbone area.
- D. The OSPF router-id is not configured on the interface.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 84

A Network Technician is installing a new HPE Aruba Networking CX switch and needs to connect it to the console port for initial configuration.

What type of physical port and cable are typically used for this direct, local management connection?

- A. An SFP+ port using a fiber optic cable.
- B. A USB-C console port using a USB-C cable.
- C. An RJ-45 Ethernet port using a standard patch cable.
- D. A DB-9 serial port using a coaxial cable.

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 85

Which options accurately describe MAC address and ARP tables? (Select two)

- A. The ARP table maps IP addresses to MAC addresses.
- B. The ARP reply packet uses a broadcasting mechanism.
- C. MAC address tables are built based on source IP addresses.
- D. Switches automatically build the MAC table based on destination MAC addresses.
- E. Switches use the MAC address table to properly forward frames.

Answer: A,E ([LEAVE A REPLY](#))

NEW QUESTION: 86

A Network Operator is troubleshooting a new trunk link between two switches. Traffic for VLAN

10 is passing correctly, but traffic for VLAN 20 and VLAN 30 is not. The operator checks the configuration on Switch-A.

Review the configuration on Switch-A's trunk port:

```
interface 1/1/48
```

```
no shutdown
```

```
vlan trunk native 10
```

```
vlan trunk allowed 10, 20
```

The configuration on Switch-B is identical.

Why is VLAN 30 traffic not passing over this trunk?

A. The `vlan trunk allowed` list on both switches does not include VLAN 30.

B. VLAN 30 has not been created in the switch's VLAN database.

C. The port is administratively shut down.

D. The native VLAN is misconfigured and should be set to 1 (default).

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 87

A Network Technician is troubleshooting a user connectivity issue. The user, connected to port

1/1/20, is unable to get a DHCP address. The technician needs to capture the traffic from the user's port and analyze it on their laptop, which is connected to port 1/1/48.

* Source Port (Monitored Port): 1/1/20 (User's PC)

* Destination Port (Analyzing Port): 1/1/48 (Technician's Laptop)

* Mirroring Session: Use session ID 1.

* Goal: Mirror all traffic (both ingress and egress) from the source to the destination.

Which of the following command sets correctly configures the required port mirroring session?

A. interface 1/1/20

```
mirror-port 1/1/48
```

B. mirror-session 1

```
source interface 1/1/20 both
```

```
destination interface 1/1/48
```

```
enable
```

C. mirror 1

```
source 1/1/20
```

```
destination 1/1/48
```

```
enable
```

D. mirror-session 1

```
source interface 1/1/20
```

```
destination interface 1/1/48
```

```
enable
```

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 88

A Network Operator has just configured a new LACP-based Link Aggregation Group (LAG) between an access switch and a core switch. The LAG, `lag 1`, is composed of ports 1/1/47 and

1/1/48. The operator needs to validate that both physical links have successfully joined the aggregation and that LACP negotiation is complete.

The operator needs to answer the following questions:

- * Is LACP enabled on the LAG?

- * Are both member ports (1/1/47 and 1/1/48) successfully bundled?

- * What is the operational state of the local and partner ports?

Which of the following validation commands provides the most direct and detailed output to answer all these questions?

A. `show lacp interfaces`

B. `show running-config interface lag 1`

C. `show mac-address-table interface lag 1`

D. `show interface lag 1`

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 89

A Network Technician needs to limit the number of devices that can connect to a specific switch port. The goal is to allow only the first two devices that connect to the port to gain access, and any subsequent devices should be blocked.

Which port security configuration would accomplish this?

A. `port-security client-limit 2`

B. `port-security violation shutdown`

C. `port-security enable`

D. `port-security mac-address sticky`

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 90

A Network Operator needs to perform a basic, initial configuration on a new, out-of-the-box HPE Aruba Networking CX 6000 switch. The operator does not have a laptop with a serial port but is in the same room as the switch.

Besides the serial console, what is the default management method available on these switches for initial setup?

A. The switch has a default IP address on VLAN 1, allowing for immediate web UI or SSH access.

B. The switch has an out-of-band management (OOBM) port that can be used for direct connection.

C. The switch is unmanaged and requires a separate management module.

D. The switch can only be managed via Aruba Central.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 91

What are the benefits of creating VLANs? (Select two)

- A. Simplify the network deployment
- B. Separate VLANs mitigate risk
- C. Minimize the need for routing
- D. MAC address tables are smaller
- E. Smaller broadcast domains can improve performance

Answer: B,E ([LEAVE A REPLY](#))

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NEW QUESTION: 92

A Network Operator is setting up a new server that will host a secure website (HTTPS) and also respond to basic network connectivity tests. Which two well-known TCP or UDP ports would the server need to have open on its firewall to allow these two services? (Choose 2.)

- A. 443 (HTTPS)
- B. 22 (SSH)
- C. 53 (DNS)
- D. ICMP is a Layer 3 protocol and does not use ports.
- E. 80 (HTTP)

Answer: A,D ([LEAVE A REPLY](#))

NEW QUESTION: 93

You have a small enterprise network with a limited budget and a small IT department. Which network design type is best?

- A. A campus network design
- B. A small data center network
- C. A two-tier design
- D. A three-tier design

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 94

What is the administrative distance of a directly connected route?

- A. 0
- B. 100
- C. 1
- D. 90

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 95

A Network Operator is managing an HPE Aruba Networking CX switch using the command-line interface (CLI). The operator makes several configuration changes to a VLAN and wants to save these changes so they will be reapplied if the switch reboots. Which command saves the current, active `running-config` to the permanent `startup-config`?

- A. `save configuration`
- B. `commit changes`
- C. `copy running-config startup-config`
- D. `reload`

Answer: C [\(LEAVE A REPLY\)](#)

NEW QUESTION: 96

A network operator is managing a network that has grown to include over 500 devices in a single VLAN. Users are reporting that network performance is slow, especially during peak hours. The operator notes a high level of broadcast traffic, such as ARP requests and service discovery protocols. Why is this design a problem for network performance? (Select all that apply.)

- A. Switches are unable to forward broadcast traffic, causing applications to fail.
- B. Each broadcast frame must be processed by the CPU of every device in the broadcast domain.
- C. Broadcast frames consume available bandwidth that could be used for unicast traffic.
- D. Routers will automatically block all broadcast traffic, isolating the segment.
- E. A single large broadcast domain increases the number of collisions on the network.

Answer: B,C [\(LEAVE A REPLY\)](#)

NEW QUESTION: 97

What kind of cables might you use to connect to the AOS-CX switch console port? (Select two)

- A. Fiber optic cable
- B. USB cable
- C. Serial cable
- D. Ethernet cable

Answer: B,C [\(LEAVE A REPLY\)](#)

NEW QUESTION: 98

A Network Operator is responsible for automating configuration tasks across dozens of HPE Aruba Networking CX switches. The operator prefers to use scripts to push consistent configurations rather than manually configuring each device.

Which management features of AOS-CX are specifically designed to facilitate this kind of automation and programmability? (Choose 2.)

- A. A simplified feature set that cannot be scripted.
- B. A Java-based graphical configuration tool.
- C. A full-featured REST API.
- D. A built-in Python interpreter on the switch.
- E. A proprietary, encrypted management protocol.

Answer: ([SHOW ANSWER](#))

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