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NEW QUESTION: 1

Refer to the exhibit. A network engineer troubleshoots an issue with the port channel between SW1 and SW2.

which command resolves the issue?

- A)
- B)
- C)
- D)

- A. Option A
- B. Option D
- C. Option C
- D. Option B

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

Refer to the exhibit.

An engineer must deny Telnet traffic from the loopback interface of router R3 to the Loopback interface of router R2 during, the weekend hours. All other traffic between the loopback interfaces of routers R3 and R2 must be allowed at all times Which command set accomplishes this task?

- A)
- B)
- C)
- D)

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: ([SHOW ANSWER](#))

Explanation

We cannot filter traffic that is originated from the local router (R3 in this case) so we can only configure the ACL on R1 or R2. "Weekend hours" means from Saturday morning through Sunday night so we have to configure: "periodic weekend 00:00 to 23:59". Note: The time is specified in 24-hour time (hh:mm), where the hours range from 0 to 23 and the minutes range from 0 to 59.

NEW QUESTION: 3

Refer to the exhibit. An engineer is configuring an EtherChannel between Switch1 and Switch2 and notices the console message on switch2. Based on the output, which action resolves this issue?

- A. Configure less member ports on Switch2.
- B. Configure the same port channel interface number on both switches
- C. Configure the same EtherChannel protocol on both switches
- D. Configure more member ports on Switch1.

Answer: ([SHOW ANSWER](#))

Explanation

In this case, we are using your EtherChannel without a negotiation protocol on Switch2. As a result, if the opposite switch is not also configured for EtherChannel operation on the respective ports, there is a danger of a switching loop. The EtherChannel Misconfiguration Guard tries to prevent that loop from occurring by disabling all the ports bundled in the EtherChannel.

NEW QUESTION: 4

Refer to the exhibit.

R2 is the neighboring router of R1. R2 receives an advertisement for network 192.168.10.50/32. Which configuration should be applied for the subnet to be advertised with the original /24 netmask?

- A)
 - B)
 - C)
 - D)
- A. Option C
 - B. Option B
 - C. Option D
 - D. Option A

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 5

In an SD-WAN deployment, which action in the vSmart controller is responsible for?

- A. gather telemetry data from vEdge routers
- B. onboard vEdge nodes into the SD-WAN fabric
- C. handle, maintain, and gather configuration and status for nodes within the SD-WAN fabric
- D. distribute policies that govern data forwarding performed within the SD-WAN fabric

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 6

Refer to the exhibit. An engineer is investigating why guest users are able to access other guest user devices when the users are connected to the customer guest WLAN. What action resolves this issue?

- A. implement MFP client protection
- B. implement split tunneling
- C. implement P2P blocking
- D. implement Wi-Fi direct policy

Answer: ([SHOW ANSWER](#))

Explanation

This control determines whether the Wireless LAN Controller is configured to prevent clients connected to the same Wireless Local Area Controller from communicating with each other. Wireless Client Isolation prevents wireless clients from communicating with each other over the RF. Packets that arrive on the wireless interface are forwarded only out the wired interface of an Access Point. One wireless client could potentially compromise another client sharing the same wireless network.

NEW QUESTION: 7

Refer to the exhibit. An engineer attempts to configure a trunk between switch sw1 and switch SW2 using DTP, but the trunk does not form. Which command should the engineer apply to switch SW2 to resolve this issue?

- A. switchport mode dynamic desirable
- B. switchport nonegotiate
- C. switchport mode access
- D. no switchport

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 8

A company plans to implement intent-based networking in its campus infrastructure. Which design facilitates a migrate from a traditional campus design to a programmer fabric designer?

- A. routed access
- B. two-tier

C. Layer 2 access

D. three-tier

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 9

Refer to the exhibit.

An engineer must configure static NAT on R1 to allow users HTTP access to the web server on TCP port 80.

The web server must be reachable through ISP 1 and ISP 2. Which command set should be applied to R1 to fulfill these requirements?

A. ip nat inside source static tcp 10.1.1.100 80 209.165.200.225 80 extendable ip nat inside source static tcp 10.1.1.100 80 209.165.201.1 80 extendable

B. ip nat inside source static tcp 10.1.1.100 80 209.165.200.225 80 no-alias ip nat inside source static tcp 10.1.1.100 80 209.165.201.1 80 no-alias

C. ip nat inside source static tcp 10.1.1.100 80 209.165.200.225 80 ip nat inside source static tcp 10.1.1.100 80 209.165.201.1 80

D. ip nat inside source static tcp 10.1.1.100 80 209.165.200.225 80 ip nat inside source static tcp 10.1.1.100 8080 209.165.201.1 8080

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

Refer to the exhibit.

An engineer configures monitoring on SW1 and enters the show command to verify operation. What does the output confirm?

A. SPAN session 1 monitors activity on VLAN 50 of a remote switch

B. SPAN session 2 only monitors egress traffic exiting port FastEthernet 0/14.

C. SPAN session 2 monitors all traffic entering and exiting port FastEthernet 0/15.

D. RSPAN session 1 is incompletely configured for monitoring

Answer: ([SHOW ANSWER](#))

Explanation

SW1 has been configured with the following commands:

```
SW1(config)#monitor session 1 source remote vlan 50 SW1(config)#monitor session 2 source interface fa0/14 SW1(config)#monitor session 2 destination interface fa0/15
```

The session 1 on SW1 was configured for Remote SPAN (RSPAN) while session 2 was configured for local SPAN. For RSPAN we need to configure the destination port to complete the configuration.

Note: In fact we cannot create such a session like session 1 because if we only configure Source RSPAN VLAN 50 (with the command monitor session 1 source remote vlan 50) then we will receive a Type: Remote Source Session (not Remote Destination Session).

NEW QUESTION: 11

Refer to me exhibit. What is the cause of the log messages?

- A. hello packet mismatch
- B. MTU mismatch
- C. IP address mismatch
- D. OSPF area change

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

Which function does a fabric wireless LAN controller perform In a Cisco SD-Access deployment?

- A. manages fabric-enabled APs and forwards client registration and roaming information to the Control Plane Node
- B. coordinates configuration of autonomous nonfabric access points within the fabric
- C. performs the assurance engine role for both wired and wireless clients
- D. is dedicated to onboard clients in fabric-enabled and nonfabric-enabled APs within the fabric

Answer: ([SHOW ANSWER](#))

Explanation

Fabric Enabled WLC:

Fabric enabled WLC is integrated with LISP control plane. This WLC is responsible for AP image /Config, Radio Resource Management, Client Session management and roaming and all other wireless control plane functions.

For WLC Fabric Integration:

- * Wireless Client MAC address is used as EID
- * It inform about Wireless MAC address with its other information like SGT and Virtual Network Information
- * VN information is mapped to VLAN on FEs
- * WLC is responsible for updating Host Database tracking DB with roaming information

NEW QUESTION: 13

What is the API keys option for REST API authentication?

- A. a predetermined string that is passed from client to server
- B. a credential that is transmitted unencrypted
- C. a username that is stored in the local router database
- D. a one-time encrypted token

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

Refer to the exhibit.

A network engineer is configuring OSPF between router R1 and router R2. The engineer must ensure that a DR/BDR election does not occur on the Gigabit Ethernet interfaces in area 0. Which configuration set accomplishes this goal?

- A)
- B)

- C)
- D)
- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: ([SHOW ANSWER](#))

Explanation

Broadcast and Non-Broadcast networks elect DR/BDR while Point-to-point/multipoint do not elect DR/BDR. Therefore we have to set the two Gi0/0 interfaces to point-to-point or point-to-multipoint network to ensure that a DR/BDR election does not occur.

NEW QUESTION: 15

Which technology is used as the basis for the cisco sd-access data plane?

- A. IPsec
- B. LISP
- C. VXLAN
- D. 802.1Q

Answer: ([SHOW ANSWER](#))

Explanation

A virtual network identifier (VNI) is a value that identifies a specific virtual network in the data plane.

NEW QUESTION: 16

Refer to the exhibit.

An engineer must add the SNMP interface table to the NetFlow protocol flow records. Where should the SNMP table option be added?

- A. under the interface
- B. under the flow record
- C. under the flow monitor
- D. under the flow exporter

Answer: ([SHOW ANSWER](#))

Explanation

option interface-table

This command causes the periodic sending of an options table, which will allow the collector to map the interface SNMP indexes provided in the flow records to interface names. The optional timeout can alter the frequency at which the reports are sent.

```
Router(config)# flow exporter FLOW-EXPORTER-1
```

```
Router(config-flow-exporter)# option interface-table
```

https://www.cisco.com/c/en/us/td/docs/ios/fnetflow/command/reference/fnf_book/fnf_02.html

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NEW QUESTION: 17

Which deployment option of Cisco NGFW provides scalability?

- A. tap
- B. clustering
- C. inline tap
- D. high availability

Answer: (SHOW ANSWER)

Explanation

Clustering lets you group multiple Firepower Threat Defense (FTD) units together as a single logical device.

Clustering is only supported for the FTD device on the Firepower 9300 and the Firepower 4100 series. A cluster provides all the convenience of a single device (management, integration into a network) while achieving the increased throughput and redundancy of multiple devices.}

NEW QUESTION: 18

Refer to the exhibit. Which command is required to verify NETCONF capability reply messages?

- A. show netconf xml rpc-reply
- B. show netconf schema | section rpc-reply
- C. show netconf rpc-reply
- D. show netconf | section rpc-reply

Answer: (SHOW ANSWER)

NEW QUESTION: 19

What is a fact about Cisco EAP-FAST?

- A. It does not require a RADIUS server certificate.
- B. It requires a client certificate.
- C. It operates in transparent mode.
- D. It is an IETF standard.

Answer: (SHOW ANSWER)

NEW QUESTION: 20

Which two components are supported by LISP? (Choose two.)

- A. egress tunnel router
- B. Proxy ETR
- C. route reflector
- D. spoke
- E. HMAC algorithm

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 21

What is a benefit of Type 1 hypervisors?

- A. Storage engineers are able to leverage VMDK files to provide storage to virtual machine.
- B. Operators are able to leverage orchestrators to manage workloads that run on multiple Type 1 hypervisors
- C. Administrators are able to load portable virtual machine packages in OVA or QCOW2 formats.
- D. Network engineers are able to create virtual networks or interconnect virtual machines in Layer 2 topologies

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

NEW QUESTION: 22

What is a VPN in a Cisco SD-WAN deployment?

- A. virtual channel used to carry control plane information
- B. common exchange point between two different services
- C. attribute to identify a set of services offered in specific places in the SD-WAN fabric
- D. virtualized environment that provides traffic isolation and segmentation in the SD-WAN fabric

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 23

An engineer configures GigabitEthernet 0/1 for VRRP group 115. The router must assume the primary role when it has the highest priority in the group. Which command set is required to complete this task?

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 24

A network monitoring system uses SNMP polling to record the statistics of router interfaces. The SNMP queries work as expected until an engineer installs a new interface and reloads the router. After this action, all SNMP queries for the router fail. What is the cause of this issue?

- A. The SNMP community is configured incorrectly

- B. The SNMP server traps are disabled for the link state.
- C. The SNMP server traps are disabled for the interface index
- D. The SNMP interface index changed after reboot.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 25

Drag and drop the wireless elements on the left to their definitions on the right.

Answer:

Explanation

Chart, line chart Description automatically generated

NEW QUESTION: 26

Refer to the exhibit.

The administrator troubleshoots an EtherChannel that keeps moving to err-disabled. Which two actions must be taken to resolve the issue? (Choose two.)

- A. Reload the switch to force EtherChannel renegotiation
- B. Ensure that interfaces Gi1/0/2 and Gi1/0/3 connect to the same neighboring switch.
- C. Ensure that the switchport parameters of Port channel1 match the parameters of the port channel on the neighbor switch
- D. Ensure that the corresponding port channel interface on the neighbor switch is named Port-channel1.
- E. Ensure that the neighbor interfaces of Gi1/0/2 and Gi/0/3 are configured as members of the same EtherChannel

Answer: ([SHOW ANSWER](#))

Explanation

Causes of Errdisable This feature was first implemented in order to handle special collision situations in which the switch detected excessive or late collisions on a port. Excessive collisions occur when a frame is dropped because the switch encounters 16 collisions in a row. Late collisions occur after every device on the wire should have recognized that the wire was in use.

Possible causes of these types of errors include:

- * A cable that is out of specification (either too long, the wrong type, or defective)
- * A bad network interface card (NIC) card (with physical problems or driver problems)
- * A port duplex misconfiguration

A port duplex misconfiguration is a common cause of the errors because of failures to negotiate the speed and duplex properly between two directly connected devices (for example, a NIC that connects to a switch). Only half-duplex connections should ever have collisions in a LAN.

Because of the carrier sense multiple access (CSMA) nature of Ethernet, collisions are normal for half duplex, as long as the collisions do not exceed a small percentage of traffic.

NEW QUESTION: 27

After a redundant route processor failure occurs on a Layer 3 device, which mechanism allows for packets to be forwarded from a neighboring router based on the most recent tables?

- A. NSF
- B. RP failover
- C. RPVST+
- D. BFD

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

Refer to the exhibit. An engineer attempts to configure a router on a stick to route packets between Clients, Servers, and Printers; however, initial tests show that this configuration is not working. Which command set resolves this issue?

- A)
 - B)
 - C)
 - D)
- A. Option A
 - B. Option B
 - C. Option C
 - D. Option D

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

Explanation

We must reconfigure the IP address after assigning or removing an interface to a VRF. Otherwise that interface does not have an IP address.

NEW QUESTION: 29

Refer to the exhibit. PC-1 must access the web server on port 8080. To allow this traffic, which statement must be added to an access control list that is applied on SW2 port G0/0 in the inbound direction?

- A. permit host 172.16.0.2 host 192.168.0.5 eq 8080
- B. permit host 192.168.0.5 host 172.16.0.2 eq 8080
- C. permit host 192.168.0.5 eq 8080 host 172.16.0.2
- D. permit host 192.168.0.5 it 8080 host 172.16.0.2

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

Explanation

The inbound direction of G0/0 of SW2 only filter traffic from Web Server to PC-1 so the source IP address and port is of the Web Server.

NEW QUESTION: 30

Refer the exhibit.

Which configuration elects SW4 as the root bridge for VLAN 1 and puts G0/2 on SW2 into a blocking state?

- A)
- B)
- C)
- D)
- A. Option
- B. Option
- C. Option
- D. Option

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

Refer to the exhibit.

An engineer must create a configuration that executes the show run command and then terminates the session when user CCNP logs in. Which configuration change is required?"

- A. Add the access-class keyword to the username command
- B. Add the access-class keyword to the aaa authentication command
- C. Add the autocommand keyword to the username command
- D. Add the autocommand keyword to the aaa authentication command

Answer: ([SHOW ANSWER](#))

Explanation

The autocommand causes the specified command to be issued automatically after the user logs in. When the command is complete, the session is terminated. Because the command can be any length and can contain embedded spaces, commands using the autocommand keyword must be the last option on the line. In this specific question, we have to enter this line username CCNP autocommand show running-config.

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NEW QUESTION: 32

What is one benefit of implementing a VSS architecture?

- A. It provides multiple points of management for redundancy and improved support
- B. It uses GLBP to balance traffic between gateways.

- C. It provides a single point of management for improved efficiency.
- D. It uses a single database to manage configuration for multiple switches

Answer: ([SHOW ANSWER](#))

Explanation

Support Virtual Switching System (VSS) to provide resiliency, and increased operational efficiency with a single point of management; VSS increases operational efficiency by simplifying the network, reducing switch management overhead by at least 50 percent. - Single configuration file and node to manage. Removes the need to configure redundant switches twice with identical policies.

NEW QUESTION: 33

What is the function of cisco DNA center in a cisco SD-access deployment?

- A. It is responsible for routing decisions inside the fabric
- B. It provides integration and automation for all nonfabric nodes and their fabric counterparts.
- C. It possesses information about all endpoints, nodes and external networks related to the fabric
- D. It is responsible for the design, management, deployment, provisioning and assurance of the fabric network devices.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

Refer to the exhibit.

Which troubleshooting a routing issue, an engineer issues a ping from S1 to S2. When two actions from the initial value of the TTL? (Choose two.)

- A. The packet reaches R3, and the TTL expires
- B. R2 replies with a TTL exceeded message
- C. R3 replies with a TTL exceeded message.
- D. The packet reaches R2 and the TTL expires
- E. R1 replies with a TTL exceeded message
- F. The packet reaches R1 and the TTL expires.

Answer: ([SHOW ANSWER](#))

Explanation

Source MAC in the capture is VMWare, MAC is Cisco. Routers first check the TTL before any further process, subtract 1 at R1. Send to R2, subtract and you have ZERO. Discard packet and reply with ICMP Time Exceeded message from that point, don't even bother checking the Route table for further processing.

NEW QUESTION: 35

Drag and drop the DHCP messages that are exchanged between a client and an AP into the order they are exchanged on the right.

Answer:

Explanation

Table Description automatically generated

There are four messages sent between the DHCP Client and DHCP Server: DHCPDISCOVER, DHCP OFFER, DHCPREQUEST and DHCPACKNOWLEDGEMENT.

This process is often abbreviated as DORA (for Discover, Offer, Request, Acknowledgement).

NEW QUESTION: 36

What is the differences between TCAM and the MAC address table?

- A. The MAC address table is contained in CAM ACL and QoS information is stored in TCAM
- B. The MAC address table supports partial matches. TCAM requires an exact match
- C. Router prefix lookups happens in CAM. MAC address table lookups happen in TCAM.
- D. TCAM is used to make Layer 2 forwarding decisions CAM is used to build routing tables

Answer: ([SHOW ANSWER](#))

Explanation

<https://community.cisco.com/t5/networking-documents/cam-content-addressable-memory-vs-tcam-ternary-conte> When using Ternary Content Addressable Memory (TCAM) inside routers it's used for faster address lookup that enables fast routing.

In switches Content Addressable Memory (CAM) is used for building and lookup of mac address table that enables L2 forwarding decisions.

Besides Longest-Prefix Matching, TCAM in today's routers and multilayer Switch devices are used to store ACL, QoS and other things from upper-layer processing.

NEW QUESTION: 37

Drag and drop the characteristics from the left onto the routing protocols they describe on the right.

Answer:

Explanation

NEW QUESTION: 38

Refer to the exhibit.

The EtherChannel between SW2 and SW3 is not operational which action resolves this issue?

- A. Configure the channel-group mode on SW3 Gi0/1 to active
- B. Configure the mode on SW2 Gi0/0 to trunk
- C. Configure the mode on SW2 Gi0/1 to access.
- D. Configure the channel-group mode on SW2 Gi0/1 and Gi0/1 to on.

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

NEW QUESTION: 39

Refer to the exhibit. Which action completes the configuration to achieve a dynamic continuous mapped NAT for all users?

- A. Increase the NAT pool size to support 254 usable addresses
- B. Configure a match-host type NAT pool

- C. Configure a one-to-one type NAT pool
- D. Reconfigure the pool to use the 192.168.1.0 address range

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 40

A client device roams between access points located on different floors in an atrium. The access points are joined to the same controller and configured in local mode. The access points are in different AP groups and have different IP addresses, but the client VLAN in the groups is the same. Which type of roam occurs?

- A. inter-controller
- B. inter-subnet
- C. intra-VLAN
- D. intra-controller

Answer: ([SHOW ANSWER](#))

Explanation

Mobility, or roaming, is a wireless LAN client's ability to maintain its association seamlessly from one access point to another securely and with as little latency as possible. Three popular types of client roaming are:

Intra-Controller Roaming: Each controller supports same-controller client roaming across access points managed by the same controller. This roaming is transparent to the client as the session is sustained, and the client continues using the same DHCP-assigned or client-assigned IP address.

Inter-Controller Roaming: Multiple-controller deployments support client roaming across access points managed by controllers in the same mobility group and on the same subnet. This roaming is also transparent to the client because the session is sustained and a tunnel between controllers allows the client to continue using the same DHCP- or client-assigned IP address as long as the session remains active.

Inter-Subnet Roaming: Multiple-controller deployments support client roaming across access points managed by controllers in the same mobility group on different subnets. This roaming is transparent to the client because the session is sustained and a tunnel between the controllers allows the client to continue using the same DHCP-assigned or client-assigned IP address as long as the session remains active.

NEW QUESTION: 41

Which line must be added in the Python function to return the JSON object {"cat_9k": "FXS193202SE"}?

- A)
- B)
- C)
- D)
- A. Option C

- B. Option A
- C. Option B
- D. Option D

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 42

Which method of account authentication does OAuth 2.0 within REST APIs?

- A. username/role combination
- B. access tokens
- C. cookie authentication
- D. basic signature workflow

Answer: ([SHOW ANSWER](#))

Explanation

The most common implementations of OAuth (OAuth 2.0) use one or both of these tokens:

+ access token: sent like an API key, it allows the application to access a user's data; optionally, access tokens can expire.

+ refresh token: optionally part of an OAuth flow, refresh tokens retrieve a new access token if they have expired. OAuth2 combines Authentication and Authorization to allow more sophisticated scope and validity control.

NEW QUESTION: 43

Refer to the exhibit.

What is the result of the API request?

- A. The "params" variable sends data fields to the network appliance.
- B. The Information for all interfaces is read from the network appliance.
- C. The "params" variable reads data fields from the network appliance
- D. The native interface information is read from the network appliance.

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

NEW QUESTION: 44

What is a characteristic of MACsec?

- A. 802.1AE provides encryption and authentication services
- B. 802.1AE is built between the host and switch using the MKA protocol, which negotiates encryption keys based on the master session key from a successful 802.1X session
- C. 802.1AE is built between the host and switch using the MKA protocol using keys generated via the Diffie-Hellman algorithm (anonymous encryption mode)
- D. 802.1AE is negotiated using Cisco AnyConnect NAM and the SAP protocol

Answer: ([SHOW ANSWER](#))

Explanation

MACsec, defined in 802.1AE, provides MAC-layer encryption over wired networks by using out-of-band methods for encryption keying. The MACsec Key Agreement (MKA) Protocol provides

the required session keys and manages the required encryption keys. MKA and MACsec are implemented after successful authentication using the 802.1x Extensible Authentication Protocol (EAP-TLS) or Pre Shared Key (PSK) framework.

NEW QUESTION: 45

What is one fact about Cisco SD-Access wireless network deployments?

- A. The access point is part the fabric overlay
- B. The access point is part of the fabric underlay
- C. The wireless client is part of the fabric overlay
- D. The WLC is part of the fabric underlay

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

NEW QUESTION: 46

Refer to the exhibit.

A GRE tunnel has been created between HO and BR routers. What is the tunnel IP on the HQ router?

- A. 209.165.202.134
- B. 10.111.111.1
- C. 209.165.202.130
- D. 10.111.111.2

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 47

Refer to the exhibit.

A network architect has partially configured static NAT. which commands should be asked to complete the configuration?

- A. R1(config)#interface GigabitEthernet0/0 R1(config)#ip nat inside
R1(config)#interface GigabitEthernet0/1 R1(config)#ip nat outside
- B. R1(config)#interface GigabitEthernet0/0 R1(config)#ip pat outside
R1(config)#interface GigabitEthernet0/1 R1(config)#ip pat inside
- C. R1(config)#interface GigabitEthernet0/0 R1(config)#ip pat inside
R1(config)#interface GigabitEthernet0/1 R1(config)#ip pat outside

D. R1(config)#interface GigabitEthernet0/0 R1(config)#ip nat outside
R1(config)#interface GigabitEthernet0/1 R1(config)#ip nat inside

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 48

How is 802.11 traffic handled in a fabric-enabled SSID?

- A. centrally switched back to WLC where the user traffic is mapped to a VLAN on the WLC
- B. converted by the AP into 802.3 and encapsulated into VXLAN
- C. centrally switched back to WLC where the user traffic is mapped to a VXLAN on the WLC
- D. converted by the AP into 802.3 and encapsulated into a VLAN

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 49

Refer to the exhibit. A network engineer configures show command to verify the configuration
What does the output confirm?

- A. R1 is configured with NAT overload parameters
- B. The first packet triggered NAT to add an entry to NAT table
- C. A Telnet from 160.1.1.1 to 10.1.1.10 has been initiated.
- D. R1 is configured with PAT overload parameters

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 50

Which design principle states that a user has no access by default to any resource, and unless a resource is explicitly granted, it should be denied?

- A. least privilege
- B. fail-safe defaults
- C. complete mediation
- D. economy of mechanism

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 51

Which three resources must the hypervisor make available to the virtual machines? (Choose three)

- A. processor
- B. secure access
- C. memory
- D. bandwidth
- E. IP address
- F. storage

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 52

Refer to the exhibit

Communication between London and New York is down Which to resolve this issue?

- A)
- B)
- C)
- D)

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: ([SHOW ANSWER](#))

Explanation

<https://learningnetwork.cisco.com/s/question/0D53i00000Ksyty/tostastns-tottatnt>

NEW QUESTION: 53

What Is the difference between the MAC address table and TCAM?

- A. The MAC address table supports partial matches. TCAM requires an exact match.
- B. The MAC address table is contained in TCAM ACL and QoS information is stored in CAM.
- C. Router prefix lookups happen in TCAM. MAC address table lookups happen In CAM.
- D. TCAM is used to make L2 forwarding decisions. CAM is used to build routing tables

Answer: ([SHOW ANSWER](#))

Explanation: When using Ternary Content Addressable Memory (TCAM) inside routers it's used for faster address lookup that enables fast routing.

In switches Content Addressable Memory (CAM) is used for building and lookup of mac address table that enables L2 forwarding decisions.

Besides Longest-Prefix Matching, TCAM in today's routers and multilayer Switch devices are used to store ACL, QoS and other things from upper-layer processing.

NEW QUESTION: 54

Refer to the exhibit.

R1 is able to ping the R3 fa0/1 Interface. Why do the extended pings fail?

- A. The DF bit has been set
- B. The maximum packet size accepted by the command is 147G bytes
- C. R2 and R3 do not have an OSPF adjacency
- D. R3 is missing a return route to 10.99.69.0/30

Answer: ([SHOW ANSWER](#))

Explanation

If the DF bit is set, routers cannot fragment packets. From the output below, we learn that the maximum MTU of R2 is 1492 bytes while we sent ping with 1500 bytes.

Therefore these ICMP packets were dropped.

Note: Record option displays the address(es) of the hops (up to nine) the packet goes through.

NEW QUESTION: 55

Refer to the exhibit.

What is the Json syntax that is formed from the data?

- A. {"Name": "Bob Johnson", "Age": Seventyfive, "Alive": true, "Favorite Foods": ["Cereal", "Mustard", "Onions"]}
- B. {"~Name": "~Bob Johnson", "~Age": 75, "~Alive": True, "~Favorite Foods": "~Cereal", "~Mustard", "~Onions"}
- C. {Name: Bob Johnson, Age: 75, Alive: true, Favorite Foods: [Cereal, Mustard, Onions]}
- D. {"Name": "Bob Johnson", "Age": 75, "Alive": true, "Favorite Foods": ["Cereal", "Mustard", "Onions"]}

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 56

Refer to the exhibit.

What is required to configure a second export destination for IP address 192.168.10.1?

- A. Specify a VRF.
- B. Specify a different UDP port.
- C. Specify a different flow ID
- D. Configure a version 5 flow-export to the same destination.
- E. Specify a different TCP port.

Answer: ([SHOW ANSWER](#))

Explanation

To configure multiple NetFlow export destinations to a router, use the following commands in global configuration mode:

Step 1: Router(config)# ip flow-export destination ip-address udp-port

Step 2: Router(config)# ip flow-export destination ip-address udp-port

The following example enables the exporting of information in NetFlow cache entries:

```
ip flow-export destination 10.42.42.1 9991 ip flow-export destination 10.0.101.254 1999
```

NEW QUESTION: 57

Wireless users report frequent disconnections from the wireless network. While troubleshooting a network engineer finds that after the user a disconnect, the connection re-establishes automatically without any input required. The engineer also notices these message logs .

Which action reduces the user impact?

- A. increase the AP heartbeat timeout
- B. increase BandSelect
- C. enable coverage hole detection
- D. increase the dynamic channel assignment interval

Answer: ([SHOW ANSWER](#))

Explanation

These message logs inform that the radio channel has been reset (and the AP must be down briefly). With dynamic channel assignment (DCA), the radios can frequently switch from one channel to another but it also makes disruption. The default DCA interval is 10 minutes, which is matched with the time of the message logs. By increasing the DCA interval, we can reduce the number of times our users are disconnected for changing radio channels.

NEW QUESTION: 58

Refer to the exhibit. An engineer configures CoPP and enters the show command to verify the implementation.

What is the result of the configuration?

- A. Class-default traffic will be dropped.
- B. All traffic will be policed based on access-list 120.
- C. If traffic exceeds the specified rate, it will be transmitted and remarked.
- D. ICMP will be denied based on this configuration.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 59

What are the main components of Cisco TrustSec?

- A. Cisco ISE and TACACS+
- B. Cisco ASA and Cisco Firepower Threat Defense
- C. Cisco ISE and Enterprise Directory Services
- D. Cisco ISE, network switches, firewalls, and routers

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 60

Refer to the exhibit.

A network engineer configures OSPF and reviews the router configuration. Which interface or interface are able to establish OSPF adjacency?

- A. GigabitEthernet0/1 and GigabitEthernet0/1.40
- B. only GigabitEthernet0/0
- C. Gigabit Ethernet0/0 and GigabitEthernet0/1
- D. only GigabitEthernet0/1

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 61

Refer to the exhibit.

An engineer must deny HTTP traffic from host A to host B while allowing all other communication between the hosts, drag and drop the commands into the configuration to achieve these results. Some commands may be used more than once. Not all commands are used.

Answer:

Explanation

Deny

Permit

Action drop

Action forward

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NEW QUESTION: 62

Refer to the exhibit. Router BRDR-1 is configured to receive the 0.0.0.0/0 and 172.17.1.0/24 network via BGP and advertise them into OSPF are 0. An engineer has noticed that the OSPF domain is receiving only the 172.17.1.0/24 route and default route 0.0.0.0/0 is still missing. Which configuring must engineer apply to resolve the problem?

A. Option B

B. Option A

C. Option C

D. Option D

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 63

Drag and drop the characteristics from the left onto the routing protocols they describe on the right.

Answer:

Explanation

Diagram Description automatically generated

NEW QUESTION: 64

Refer to the Exhibit.

An engineer is installing a new pair of routers in a redundant configuration. When checking on the standby status of each router the engineer notices that the routers are not functioning as expected. Which action will resolve the configuration error?

- A. configure matching hold and delay timers
- B. configure matching key-strings
- C. configure matching priority values
- D. configure unique virtual IP addresses

Answer: ([SHOW ANSWER](#))

Explanation

From the output exhibit, we notice that the key-string of R1 is Cisco123! (letter C is in capital) while that of R2 is cisco123!. This causes a mismatch in the authentication so we have to fix their key-strings.

key-string [encryption-type] text-string: Configures the text string for the key. The text-string argument is alphanumeric, case-sensitive, and supports special characters.

NEW QUESTION: 65

Refer to the exhibit.

An engineer must configure HSRP for VLAN 1000 on SW2. The secondary switch must immediately take over the role of active router if the interlink with the primary switch fails. Which command set completes this task?

- A)
 - B)
 - C)
 - D)
- A. Option D
 - B. Option A
 - C. Option C
 - D. Option B

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

Why would a log file contain a * next to the date?

- A. The network device was unable to reach The NTP server when the log messages were recorded
- B. The network device was receiving NTP time when the log messages were recorded.
- C. The network device is not configured to use NTP.
- D. The network device is nor configured to use NTP time stamps for logging

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 67

What are two common sources of interference for Wi-Fi networks? (Choose two.)

- A. LED lights
- B. fire alarm
- C. rogue
- D. radar
- E. conventional oven

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 68

Refer to the exhibit. What is the effect of this configuration?

- A. When users attempt to connect to vty lines 0 through 4, the device will authenticate them against TACACS+ if local authentication fails
- B. The device will allow users at 192.168.0.202 to connect to vty lines 0 through 4 using the password ciscotestkey
- C. The device will authenticate all users connecting to vty lines 0 through 4 against TACACS+
- D. The device will allow only users at 192.166.0.202 to connect to vty lines 0 through 4

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 69

Which method is used by an AP to join HA controllers and is configured in NVRAM?

- A. stored WLC information
- B. DNS
- C. IP Helper Addresses
- D. Primary/Secondary/Tertiary/Backup

Answer: ([SHOW ANSWER](#))

Explanation

An AP can be "primed" with up to three controllers—a primary, a secondary, and a tertiary. These are stored in nonvolatile memory so that the AP can remember them after a reboot or power failure.

NEW QUESTION: 70

Refer to the exhibit.

An engineer must configure an ERSPAN session with the remote end of the session 10.10.0.1. Which commands must be added to complete the configuration?

- A)
- B)
- C)
- D)
- A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: ([SHOW ANSWER](#))

Explanation

Example: Configuring an ERSPAN Source Session on a WAN Interface
The following example shows how to configure more than one WAN interface in a single ERSPAN source monitor session. Multiple interfaces have been separated by a commas.

```
monitor session 100 type erspan-source  
source interface Serial 0/1/0:0, Serial 0/1/0:6
```

Example: Configuring an ERSPAN Destination Session
The following example shows how to configure an ERSPAN destination session:

```
monitor session 2 type erspan-destination  
destination interface GigabitEthernet1/3/2  
destination interface GigabitEthernet2/2/0  
source  
erspan-id 100  
ip address 10.10.0.1
```

NEW QUESTION: 71

At which Layer does Cisco DNA Center support REST controls?

- A. EEM applets or scripts
- B. YML output from responses to API calls
- C. Northbound APIs
- D. Session layer

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 72

What does a northbound API accomplish?

- A. programmatic control of abstracted network resources through a centralized controller
- B. controlled access to switches from automated security applications
- C. communication between SDN controllers and physical switches
- D. access to controlled network resources from a centralized node

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 73

What is the function of a fabric border node in a Cisco SD-Access environment?

- A. To collect traffic flow information toward external networks
- B. To attach and register clients to the fabric
- C. To connect the Cisco SD-Access fabric to another fabric or external Layer 3 networks
- D. To handle an ordered list of IP addresses and locations for endpoints in the fabric.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 74

An engineer must create an EEM script to enable OSPF debugging in the event the OSPF neighborhood goes down. Which script must the engineer apply?

- A. Option C
- B. Option B
- C. Option D
- D. Option A

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 75

Drag and drop the characteristics from the left onto the routing protocols they describe on the right.

Answer:

Explanation

Diagram Description automatically generated

NEW QUESTION: 76

Refer to the exhibit.

An engineer implemented several configuration changes and receives the logging message on switch1. Which action should the engineer take to resolve this issue?

- A. Change Switch1 to switch port mode dynamic auto
- B. Change Switch2 to switch port mode dynamic auto
- C. Change the VTP domain to match on both switches
- D. Change Switch1 to switch port mode dynamic desirable

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 77

Refer to the exhibit. Which configuration change will force BR2 to reach 209.165.201.0/27 via BR1?

- A. Set the weight attribute to 65.535 on BR1 toward PE1.

- B. Set the local preference to 150 on PE1 toward BR1 outbound
- C. Set the MED to 1 on PE2 toward BR2 outbound.
- D. Set the origin to igp on BR2 toward PE2 inbound.

Answer: ([SHOW ANSWER](#))

Explanation

Diagrama Descripcion generada automaticamente
MED Attribute: + Optional nontransitive attribute (nontransitive means that we can only advertise MED to routers that are one AS away) + Sent through ASes to external BGP neighbors + Lower value is preferred (it can be considered the external metric of a route) +

Default value is 0

NEW QUESTION: 78

Refer to the exhibit.

Which command set changes the neighbor state from Idle (Admin) to Active?

- A.
- B.
- C.
- D.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 79

A network engineer is enabling HTTPS access to the core switch, which requires a certificate to be installed on the switch signed by the corporate certificate authority Which configuration commands are required to issue a certificate signing request from the core switch?

- A.
- B.
- C.
- D.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 80

What is the structure of a JSON web token?

- A. three parts separated by dots: header payload, and signature
- B. header and payload
- C. three parts separated by dots: version header and signature
- D. payload and signature

Answer: ([SHOW ANSWER](#))

Explanation

JSON Web Token (JWT) is an open standard (RFC 7519) that defines a compact and self-contained way for securely transmitting information between parties as a JSON object. This

information can be verified and trusted because it is digitally signed. JWTs can be signed using a secret (with the HMAC algorithm) or a public/private key pair using RSA or ECDSA.

JSON Web Tokens are composed of three parts, separated by a dot (.): Header, Payload, Signature. Therefore, a JWT typically looks like the following:

xxxxx.yyyyy.zzzzz

The header typically consists of two parts: the type of the token, which is JWT, and the signing algorithm being used, such as HMAC SHA256 or RSA.

The second part of the token is the payload, which contains the claims. Claims are statements about an entity (typically, the user) and additional data.

To create the signature part you have to take the encoded header, the encoded payload, a secret, the algorithm specified in the header, and sign that.

NEW QUESTION: 81

Refer to the exhibit.

Assuming the WLC's interfaces are not in the same subnet as the RADIUS server, which interface would the WLC use as the source for all RADIUS-related traffic?

- A. the controller virtual interface
- B. any interface configured on the WLC
- C. the interface specified on the WLAN configuration
- D. the controller management interface

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 82

Refer to the exhibit.

What are two effects of this configuration? (Choose two.)

- A. R1 becomes the active router.
- B. If R2 goes down, R1 becomes active but reverts to standby when R2 comes back online.
- C. If R1 goes down, R2 becomes active and remains the active device when R1 comes back online.
- D. If R1 goes down, R2 becomes active but reverts to standby when R1 comes back online.
- E. R1 becomes the standby router.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 83

Which controller is capable of acting as a STUN server during the onboarding process of Edge devices?

- A. vManage
- B. vBond
- C. PNP server
- D. vSmart

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 84

Refer to the exhibit.

A company requires that all wireless users authenticate using dynamic key generation. Which configuration must be applied?

- A. AP(config-if-ssid)# authentication dynamic open wep_dynamic
- B. AP(config-if-ssid)# authentication open eap eap_methods
- C. AP(config-if-ssid)# authentication dynamic wep wep_methods
- D. AP(config-if-ssid)# authentication open wep wep_methods

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 85

What NTP Stratum level is a server that is connected directly to an authoritative time source?

- A. Stratum 1
- B. Stratum 15
- C. Stratum 0
- D. Stratum 14

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 86

Based on the router's API output in JSON format below, which Python code will display the value of the

"hostname" key?

- A)
- B)
- C)
- D)
- A. Option
- B. Option
- C. Option
- D. Option

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 87

Drag and drop the snippets onto the blanks within the code to construct a script that shows all logging that occurred on the appliance from Sunday until 9:00 p.m Thursday Not all options are used.

Answer:

NEW QUESTION: 88

Which feature is used to propagate ARP broadcast, and link-local frames across a Cisco SD-Access fabric to address connectivity needs for silent hosts that require reception of traffic to start communicating?

- A. Native Fabric Multicast
- B. Layer 2 Flooding
- C. SOA Transit
- D. Multisite Fabric

Answer: (SHOW ANSWER)

Explanation

Layer2 Flooding Cisco SD-Access fabric provides many optimizations to improve unicast traffic flow, and to reduce the unnecessary flooding of data such as broadcasts. But, for some traffic and applications, it may be desirable to enable broadcast forwarding within the fabric.

By default, this is disabled in the Cisco SD-Access architecture. If broadcast, Link local multicast and Arp flooding is required, it must be specifically enabled on a per-subnet basis using Layer 2 flooding feature.

Layer 2 flooding can be used to forward broadcasts for certain traffic and application types which may require leveraging of Layer 2 connectivity, such as silent hosts, card readers, door locks, etc.

NEW QUESTION: 89

How is MSDP used to interconnect multiple PIM-SM domains?

- A. MSDP messages are used to advertise active sources in a domain
- B. MSDP depends on BGP or multiprotocol BGP for mterdomam operation
- C. MSDP SA request messages are used to request a list of active sources for a specific group
- D. SDP allows a rendezvous point to dynamically discover active sources outside of its domain

Answer: B (LEAVE A REPLY)

NEW QUESTION: 90

In a Cisco SD-Access wireless architecture which device manages endpoint ID to edge node bindings?

- A. fabric control plane node
- B. fabric wireless controller
- C. fabric border node
- D. fabric edge node

Answer: (SHOW ANSWER)

Explanation

SD-Access Wireless Architecture Control Plane Node -A Closer Look

Fabric Control-Plane Node is based on a LISP Map Server / Resolver

Runs the LISP Endpoint ID Database to provide overlay reachability information

+ A simple Host Database, that tracks Endpoint ID to Edge Node bindings (RLOCs)+ Host

Database supports multiple types of Endpoint ID (EID), such as IPv4 /32, IPv6 /128* or MAC/48+

Receives prefix registrations from Edge Nodes for wired clients, and from Fabric mode WLCs for

wireless clients+ Resolves lookup requests from FE to locate Endpoints+ Updates Fabric Edge nodes, Border nodes with wireless client mobility and RLOC information

NEW QUESTION: 91

Which two operational models enable an AP to scan one or more wireless channels for rouge access points and at the same time provide wireless services to clients? (Choose two.)

- A. Local
- B. Monitor
- C. FlexConnect
- D. Sniffer
- E. Rouge detector

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 92

Which action is performed by Link Management Protocol in a Cisco StackWise Virtual domain?

- A. It rejects any unidirectional link traffic forwarding
- B. discovers the StackWise domain and brings up SVL interfaces.
- C. It determines if the hardware is compatible to form the StackWise Virtual domain
- D. It determines which switch becomes active or standby

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 93

Drag and drop the characteristics from the left onto the routing protocols they describe on the right

Answer:

Explanation

Graphical user interface, application Description automatically generated

NEW QUESTION: 94

Refer to the exhibit.

The network administrator must be able to perform configuration changes when all the RADIUS servers are unreachable. Which configuration allows all commands to be authorized if the user has successfully authenticated?

- A. aaa authorization exec default group radius if-authenticated
- B. aaa authorization exec default group radius none
- C. aaa authentication login default group radius local none
- D. aaa authorization exec default group radius

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 95

Which measure is used by an NTP server to indicate its closeness to the authoritative time source?

- A. stratum
- B. latency
- C. hop count
- D. time zone

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 96

A server running Linux is providing support for virtual machines along with DNS and DHCP services for a small business. Which technology does this represent?

- A. container
- B. Type 1 hypervisor
- C. hardware pass-thru
- D. Type 2 hypervisor

Answer: ([SHOW ANSWER](#))

Explanation

In contrast to type 1 hypervisor, a type 2 hypervisor (or hosted hypervisor) runs on top of an operating system and not the physical hardware directly. A big advantage of Type 2 hypervisors is that management console software is not required. Examples of type 2 hypervisor are VMware Workstation (which can run on Windows, Mac and Linux) or Microsoft Virtual PC (only runs on Windows).

NEW QUESTION: 97

Refer to the exhibit.

An engineer configures the BGP adjacency between R1 and R2, however, it fails to establish. Which action resolves the issue?

- A. Change the remote-as number on R1 to 6500.
- B. Change the network statement on R1 to 172.16 10.0
- C. Enable synchronization on R1 and R2
- D. Change the remote-as number for 192 168.100.11.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 98

Refer to the exhibit.

Which IP address becomes the active next hop for 192.168.102 0/24 when 192.168.101.2 fails?

- A. 192.168.101.18
- B. 192.168.101.6
- C. 192.168.101.10
- D. 192.168.101.14

Answer: ([SHOW ANSWER](#))

Explanation

The '>' shown in the output above indicates that the path with a next hop of 192.168.101.2 is the current best path.

Path Selection Attributes: Weight > Local Preference > Originate > AS Path > Origin > MED > External > IGP Cost > eBGP Peering > Router ID BGP prefers the path with highest weight but the weights here are all 0 (which indicate all routes that are not originated by the local router) so we need to check the Local Preference. Answer

'192.168.101.18' path without LOCAL_PREF (LocPrf column) means it has the default value of 100.

Therefore we can find the two next best paths with the next hop of 192.168.101.18 and 192.168.101.10.

We have to move to the next path selection attribute: Originate. BGP prefers the path that the local router originated (which is indicated with the "next hop 0.0.0.0"). But none of the two best paths is self-originated.

The AS Path of the next hop 192.168.101.18 is shorter than the AS Path of the next hop 192.168.101.10 then the next hop 192.168.101.18 will be chosen as the next best path.

NEW QUESTION: 99

What is a characteristic of Cisco DNA Northbound APIs?

- A. They utilize multivendor support APIs.
- B. They enable automation of network infrastructure based on intent.
- C. They utilize RESTCONF.
- D. They simplify the management of network infrastructure devices.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 100

If the maximum power level assignment for global TPC 802.11a/n/ac is configured to 10 dBm, which power level effectively doubles the transmit power?

- A. 14 dBm
- B. 13dBm
- C. 20 dBm

D. 17dBm

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

NEW QUESTION: 101

Which configuration restricts the amount of SSH that a router accepts 100 kbps?

A)

B)

C)

D)

A. Option A

B. Option B

C. Option C

D. Option D

Answer: ([SHOW ANSWER](#))

Explanation

CoPP protects the route processor on network devices by treating route processor resources as a separate entity with its own ingress interface (and in some implementations, egress also). CoPP is used to police traffic that is destined to the route processor of the router such as:

+ routing protocols like OSPF, EIGRP, or BGP.

+ Gateway redundancy protocols like HSRP, VRRP, or GLBP.

+ Network management protocols like telnet, SSH, SNMP, or RADIUS.

Therefore we must apply the CoPP to deal with SSH because it is in the management plane. CoPP must be put under "control-plane" command.

NEW QUESTION: 102

Refer to the exhibit.

An engineer configures OSPF and wants to verify the configuration Which configuration is applied to this device?

A)

B)

C)

D)

A. Option D

B. Option B

C. Option A

D. Option C

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 103

What is the responsibility of a secondary WLC?

- A. It avoids congestion on the primary controller by sharing the registration load on the LAPs.
- B. It registers the LAPs if the primary controller fails.
- C. It shares the traffic load of the LAPs with the primary controller.
- D. It enables Layer 2 and Layer 3 roaming between itself and the primary controller.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 104

Refer to the exhibit.

An engineer is designing a guest portal on Cisco ISE using the default configuration. During the testing phase, the engineer receives a warning when displaying the guest portal. Which issue is occurring?

- A. The server that is providing the portal has an expired certificate
- B. The server that is providing the portal has a self-signed certificate
- C. The connection is using an unsupported protocol
- D. The connection is using an unsupported browser

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 105

Refer to the exhibit.

Based on the configuration in this WLAN security setting, Which method can a client use to authenticate to the network?

- A. text string
- B. certificate
- C. username and password
- D. RADIUS token

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 106

An engineer must export the contents of the devices object in JSON format. Which statement must be used?

- A. `json.dumps(Devices)`
- B. `json.loads(Devices)`
- C. `json.repr(Devices)`
- D. `json.prints(Devices)`

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 107

Drag and drop the characteristics from the left onto the infrastructure deployment models they describe on the right.

Answer:

NEW QUESTION: 108

In a Cisco SD-Access solution, what is the role of the Identity Services Engine?

- A.** it is used to analyze endpoint to app flows and monitor fabric status.
- B.** It manages the LISP EID database.
- C.** It provides GUI management and abstraction via apps that share context.
- D.** It is leveraged for dynamic endpoint to group mapping and policy definition.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 109

Refer to the exhibit.

The IP SLA is configured in a router. An engineer must configure an EEM applet to shut down the interface and bring it back up when there is a problem with the IP SLA. Which configuration should the engineer use?

- A.** event manager applet EEM_IP_SLA
event track 10 state down
- B.** event manager applet EEM_IP_SLA
event track 10 state unreachable
- C.** event manager applet EEM_IP_SLA
event sla 10 state unreachable
- D.** event manager applet EEM_IP_SLA
event sla 10 state down

Answer: ([SHOW ANSWER](#))

Explanation

The ip sla 10 will ping the IP 192.168.10.20 every 3 seconds to make sure the connection is still up. We can configure an EEM applet if there is any problem with this IP SLA via the command event track 10 state down.

NEW QUESTION: 110

What is one primary REST security design principle?

- A.** OAuth
- B.** fail-safe defaults
- C.** adding a timestamp in requests

D. password hash

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 111

Which new enhancement was implemented in Wi-Fi 6?

- A. Uplink and Downlink Orthogonal Frequency Division Multiple Access
- B. 4096 Quadrature Amplitude Modulation Mode
- C. Wi-Fi Protected Access 3
- D. Channel bonding

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 112

Why would an engineer use YANG?

- A. to model data for NETCONF
- B. to access data using SNMP
- C. to translate JSON into an equivalent XML syntax
- D. to transport data between a controller and a network device

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 113

Refer to the exhibit.

An engineer is troubleshooting a connectivity issue and executes a traceoute. What does the result confirm?

- A. The destination server reported it is too busy
- B. The protocol is unreachable
- C. The destination port is unreachable
- D. The probe timed out

Answer: ([SHOW ANSWER](#))

Explanation

In Cisco routers, the codes for a traceroute command reply are:

! - success* - time outN - network unreachableH - host unreachableP - protocol unreachableA - admin deniedQ - source quench received (congestion)? - unknown (any other ICMP message)

In Cisco routers, the codes for a traceroute command reply are:

! - success* - time outN - network unreachableH - host unreachableP - protocol unreachableA - admin deniedQ - source quench received (congestion)? - unknown (any other ICMP message)

NEW QUESTION: 114

Refer to the exhibit. A network engineer must configure a password expiry mechanism on the gateway router for all local passwords to expire after 60 days. What is required to complete this task?

- A. The password expiry mechanism is on the AAA server and must be configured there.

- B. Add the aaa authentication enable default Administrators command.
- C. Add the username admin privilege 15 common-criteria*policy Administrators password 0 Cisco13579!
command.
- D. No further action is required. The configuration is complete.

Answer: ([SHOW ANSWER](#))

Explanation

Perform this task to create a password security policy and to apply the policy to a specific user profile.

```
Device> enable
```

```
Device# configure terminal
```

```
Device(config)# aaa new-model
```

```
Device(config)# aaa common-criteria policy policy1
```

```
Device(config-cc-policy)# char-changes 4
```

```
Device(config-cc-policy)# max-length 20
```

```
Device(config-cc-policy)# min-length 6
```

```
Device(config-cc-policy)# numeric-count 2
```

```
Device(config-cc-policy)# special-case 2
```

```
Device(config-cc-policy)# exit
```

```
Device(config)# username user1 common-criteria-policy policy1 password password1
```

```
Device(config)# end
```

NEW QUESTION: 115

Refer to the exhibit.

An engineer attempts to establish BGP peering between router CORP and two ISP routers. What is the root cause for the failure between CORP and ISP#2?

- A. Router ISP#2 is configured to use SHA-1 authentication.
- B. Router CORP is configured with an extended access control list.
- C. There is a password mismatch between router CORP and router ISP#2.
- D. MD5 authorization is configured incorrectly on router ISP#2.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 116

An engineer must create an EEM applet that sends a syslog message in the event a change happens in the network due to trouble with an OSPF process. Which action should the engineer use?

- A. action 1 syslog pattern "OSPF ROUTING ERROR"
- B. action 1 syslog msg "OSPF ROUTING ERROR"
- C. action 1 syslog send "OSPF ROUTING ERROR"
- D. action 1 syslog write "OSPF ROUTING ERROR"

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 117

An engineer must configure AAA on a Cisco 9800 WLC for central web authentication. Which two commands are needed to accomplish this task? (Choose two.)

- A. Option A
- B. Option C
- C. Option D
- D. Option B
- E. Option E

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 118

Which LISP device is responsible for publishing EID-to-RLOC mappings for a site?

- A. MS
- B. MR
- C. ETR
- D. ITR

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 119

An engineer must protect their company against ransomware attacks. Which solution allows the engineer to block the execution stage and prevent file encryption?

- A. Use Cisco AMP deployment with the Malicious Activity Protection engine enabled.
- B. Use Cisco AMP deployment with the Exploit Prevention engine enabled.
- C. Use Cisco Firepower and block traffic to TOR networks.
- D. Use Cisco Firepower with Intrusion Policy and snort rules blocking SMB exploitation.

Answer: ([SHOW ANSWER](#))

Explanation

Ransomware are malicious software that locks up critical resources of the users.

Ransomware uses well-established public/private key cryptography which leaves the only way of recovering the files being the payment of the ransom, or restoring files from backups.

Cisco Advanced Malware Protection (AMP) for Endpoints Malicious Activity Protection (MAP) engine defends your endpoints by monitoring the system and identifying processes that exhibit malicious activities when they execute and stops them from running. Because the MAP engine detects threats by observing the behavior of the process at run time, it can generically determine if a system is under attack by a new variant of ransomware or malware that may have eluded other security products and detection technology, such as legacy signature-based malware detection. The first release of the MAP engine targets identification, blocking, and quarantine of ransomware attacks on the endpoint.

NEW QUESTION: 120

What Is a Type 2 hypervisor?

- A. installed as an application on an already installed operating system
- B. runs directly on a physical server and includes its own operating system
- C. also referred to as a "bare metal hypervisor" because it sits directly on the physical server
- D. supports over-allocation of physical resources

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 121

which features does Cisco EDR use to provide threat detection and response protection?

- A. firewalling and intrusion prevention
- B. cloud analysis and endpoint firewall controls
- C. containment, threat intelligence, and machine learning
- D. container-based agents

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 122

Refer to the exhibit. What does the error message relay to the administrator who is trying to configure a Cisco IOS device?

- A. A NETCONF request was made for a data model that does not exist.
- B. The device received a valid NETCONF request and serviced it without error.
- C. A NETCONF message with valid content based on the YANG data models was made, but the request failed.
- D. The NETCONF running datastore is currently locked.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 123

Refer to the exhibit.

What is the result when a switch that is running PVST+ is added to this network?

- A. DSW2 operates in Rapid PVST+ and the new switch operates in PVST+
- B. Both switches operate in the PVST+ mode
- C. Spanning tree is disabled automatically on the network
- D. Both switches operate in the Rapid PVST+ mode.

Answer: ([SHOW ANSWER](#))

Explanation

From the output we see DSW2 is running in RSTP mode (in fact Rapid PVST+ mode as Cisco does not support RSTP alone). When a new switch running PVST+ mode is added to the topology, they keep running the old STP instances as RSTP (in fact Rapid PVST+) is compatible with PVST+.

NEW QUESTION: 124

An engineer configures a WLAN with fast transition enabled. Some legacy clients fail to connect to this WLAN. Which feature allows the legacy clients to connect while still allowing other clients to use fast transition based on their OLTIs?

- A. over the DS
- B. 802.11k
- C. adaptive R
- D. 802.11V

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 125

What are two considerations when using SSO as a network redundancy feature? (Choose two)

- A. both supervisors must be configured separately
- B. the multicast state is preserved during switchover
- C. must be combined with NSF to support uninterrupted Layer 2 operations
- D. must be combined with NSF to support uninterrupted Layer 3 operations
- E. requires synchronization between supervisors in order to guarantee continuous connectivity

Answer: ([SHOW ANSWER](#))

Explanation

Text Description automatically generated

Cisco IOS Nonstop Forwarding(NSF) always runs with stateful switchover (SSO) and provides redundancy for Layer 3 traffic.

NEW QUESTION: 126

Refer to the exhibit.

After an engineer configures an EtherChannel between switch SW1 and switch SW2, this error message is logged on switch SW2.

Based on the output from SW1 and the log message received on Switch SW2, what action should the engineer take to resolve this issue?

- A. Configure the same protocol on the EtherChannel on switch SW1 and SW2.
- B. Connect the configuration error on interface Gi0/1 on switch SW1.
- C. Define the correct port members on the EtherChannel on switch SW1.
- D. Correct the configuration error on interface Gi0/0 switch SW1.

Answer: ([SHOW ANSWER](#))

Explanation

In this case, we are using your EtherChannel without a negotiation protocol. As a result, if the opposite switch is not also configured for EtherChannel operation on the respective ports, there is a danger of a switching loop.

The EtherChannel Misconfiguration Guard tries to prevent that loop from occurring by disabling all the ports bundled in the EtherChannel.

NEW QUESTION: 127

Refer to the exhibit.

Which command set must be added to the configuration to analyze 50 packets out of every 100?

- A)
- B)
- C)
- D)

- A. Option B
- B. Option A
- C. Option C
- D. Option D

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 128

Refer to the exhibit.

After configuring HSRP an engineer enters the show standby command. Which two facts are derived from the output? (Choose two.)

- A. R2 Fa1/0 regains the primary role when the link comes back up
- B. The router with IP 10.10 1.3 is active because it has a higher IP address
- C. R2 is using the default HSRP hello and hold timers.
- D. R2 becomes the active router after the hold time expires.
- E. If Fa0/0 is shut down, the HSRP priority on R2 becomes 80

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

NEW QUESTION: 129

Refer to the exhibit How was spanning-tree configured on this interface?

- A. By entering the command spanning-tree portfast trunk in the interface configuration mode.
- B. By entering the command spanning-tree mst1 vlan 10,20,30,40 in the global configuration mode
- C. By entering the command spanning-tree portfast in the interface configuration mode
- D. By entering the command spanning-tree vlan 10,20,30,40 root primary in the interface configuration mode

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 130

When are multicast RPs required?

- A. By default, the RP is needed only start new sessions with sources and receivers.
- B. By default, the RP is needed periodically to maintain sessions with sources and receivers.
- C. RPs are required for protocol Independent multicast sparse mode and dense mode.
- D. RPs are required only when using protocol independent multicast dense mode.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 131

Drag and drop the characteristics from the left onto the routing protocols they describe on the right.

Answer:

NEW QUESTION: 132

How do EIGRP metrics compare to OSPF metrics?

- A. The EIGRP administrative distance for external routes is 170. and the OSPF administrative distance for external routes is 110
- B. EIGRP uses the Dijkstra algorithm, and OSPF uses The DUAL algorithm
- C. The EIGRP administrative distance for external routes is 170. and the OSPF administrative distance for external routes is undefined
- D. EIGRP metrics are based on a combination of bandwidth and packet loss, and OSPF metrics are based on interface bandwidth.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 133

What is the centralized control policy in a Cisco SD-WAN deployment?

- A. list of enabled services for all nodes within the cloud
- B. set of statements that defines how routing is performed
- C. set of rules that governs nodes authentication within the cloud
- D. list of ordered statements that define user access policies

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 134

Refer to the exhibit.

Which command when applied to the Atlanta router reduces type 3 LSA flooding into the backbone area and summarizes the inter-area routes on the Dallas router?

- A. Atlanta(config-route)#area 1 range 192.168.0.0 255.255.252.0
- B. Atlanta(config-route)#area 0 range 192.168.0.0 255.255.248.0
- C. Atlanta(config-route)#area 0 range 192.168.0.0 255.255.252.0
- D. Atlanta(config-route)#area 1 range 192.168.0.0 255.255.248.0

Answer: (SHOW ANSWER)

NEW QUESTION: 135

When a wireless client roams between two different wireless controllers, a network connectivity outage is experienced for a period of time. Which configuration issue would cause this problem?

- A. All of the controllers in the mobility group are using the same mobility group name.
- B. Not all of the controllers in the mobility group are using the same mobility group name.
- C. All of the controllers within the mobility group are using the same virtual interface IP address.
- D. Not all of the controllers within the mobility group are using the same virtual interface IP address.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 136

Refer to the exhibit.

An engineer must set up connectivity between a campus aggregation layer and a branch office access layer.

The engineer uses dynamic trunking protocol to establish this connection, however, management traffic on VLAN1 is not passing. Which action resolves the issue and allow communication for all configured VLANs?

- A. Configure the correct native VLAN on the remote interface
- B. Change both interfaces to access ports.
- C. Disable Spanning Tree for the native VLAN.
- D. Allow all VLANs on the trunk links

Answer: (SHOW ANSWER)

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NEW QUESTION: 137

Refer to the exhibit.

Which commands are required to allow SSH connection to the router?

- A.
- B.
- C.
- D.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 138

What is the process for moving a virtual machine from one host machine to another with no downtime?

- A. disaster recovery
- B. high availability
- C. live migration
- D. multisite replication

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 139

In a three-tier hierarchical campus network design, which action is a design best-practice for the core layer?

- A. provide redundant aggregation for access layer devices and first-hop redundancy protocols such as VRRP
- B. provide QoS prioritization services such as marking, queueing, and classification for critical network traffic
- C. provide redundant Layer 3 point-to-point links between the core devices for more predictable and faster convergence
- D. provide advanced network security features such as 802.1X, DHCP snooping, VACLs, and port security

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 140

Which exhibit displays a valid JSON file?

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 141

While configuring an IOS router for HSRP with a virtual IP of 10.1.1.1, an engineer sees this log message.

Which configuration change must the engineer make?

- A. Change the HSRP group configuration on the remote router to 1.
- B. Change the HSRP group configuration on the local router to 1.
- C. Change the HSRP virtual address on the remote router to 10.1.1.1.
- D. Change the HSRP virtual address on the local router to 10.1.1.1.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 142

Drag and drop the virtual components from the left onto their deceptions on the right.

Answer:

Explanation

Table Description automatically generated

NEW QUESTION: 143

A customer has several small branches and wants to deploy a WI-FI solution with local management using CAPWAP. Which deployment model meets this requirement?

- A. Local mode
- B. SD-Access wireless
- C. Autonomous
- D. Mobility Express

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 144

Which resource is able to be shared among virtual machines deployed on the same physical server?

- A. operating system
- B. applications
- C. disk
- D. VM configuration file

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 145

Drag and drop the snippets onto the blanks within the code to construct a script that advertises the network prefix 192.168.5.0/24 into a BGP session. Not all options are used

Answer:

Explanation

Graphical user interface, text, application, email Description automatically generated

NEW QUESTION: 146

An engineer runs the code against an API of Cisco DNA Center, and the platform returns this output What does the response indicate?

- A. The authentication credentials are incorrect
- B. The URI string is incorrect.
- C. The Cisco DNA Center API port is incorrect
- D. The HTTP method is incorrect

Answer: ([SHOW ANSWER](#))

Explanation

<https://developer.mozilla.org/en-US/docs/Web/HTTP/Status>

NEW QUESTION: 147

Refer to the exhibit.

Cisco DNA Center has obtained the username of the client and the multiple devices that the client is using on the network. How is Cisco DNA Center getting these context details?

- A. The administrator had to assign the username to the IP address manually in the user database tool on Cisco DNA Center.
- B. Those details are provided to Cisco DNA Center by the Identity Services Engine
- C. Cisco DNA Center pulled those details directly from the edge node where the user connected.
- D. User entered those details in the Assurance app available on iOS and Android devices

Answer: ([SHOW ANSWER](#))

Explanation

Features of the Cisco DNA Assurance solution includes Device 360 and client 360, which provides a detailed view of the performance of any device or client over time and from any application context. Provides very granular troubleshooting in seconds.

NEW QUESTION: 148

An engineer is working with the Cisco DNA Center API Drag and drop the methods from the left onto the actions that they are used for on the right.

Answer:

Explanation

NEW QUESTION: 149

How does an on-premises infrastructure compare to a cloud infrastructure?

- A. On-premises requires less power and cooling resources than cloud
- B. On-premises can increase compute power faster than cloud
- C. On-premises offers faster deployment than cloud
- D. On-premises offers lower latency for physically adjacent systems than cloud.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 150

A network administrator is implementing a routing configuration change and enables routing debugs to track routing behavior during the change. The logging output on the terminal is interrupting the command typing process. Which two actions can the network administrator take to minimize the possibility of typing commands incorrectly? (Choose two.)

- A. Press the TAB key to reprint the command in a new line
- B. Configure the logging synchronous global configuration command
- C. Configure the logging delimiter feature
- D. Configure the logging synchronous command under the vty

E. increase the number of lines on the screen using the terminal length command

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 151

What is a benefit of data modeling languages like YANG?

- A. They enable programmers to change or write their own application within the device operating system.
- B. They create more secure and efficient SNMP OIDs.
- C. They make the CLI simpler and more efficient.
- D. They provide a standardized data structure, which results in configuration scalability and consistency.

Answer: ([SHOW ANSWER](#))

Explanation

Yet Another Next Generation (YANG) is a language which is only used to describe data models (structure). It is not XML or JSON.

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NEW QUESTION: 152

By default, which virtual MAC address does HSRP group 16 use?

- A. c0:41:43:64:13:10
- B. 00:00:0c 07:ac:10
- C. 00:05:5c:07:0c:16
- D. 05:00:0c:07:ac:16

Answer: ([SHOW ANSWER](#))

Explanation

The last two-digit hex value in the MAC address presents the HSRP group number. In this case 16 in decimal is 10 in hexadecimal

NEW QUESTION: 153

Which HTTP code must be returned to prevent the script from exiting?

- A. 300
- B. 200
- C. 301

D. 201

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 154

Drag and drop the snippets onto the blanks within the code to construct a script that configures BGP according to the topology. Not all options are used, and some options may be used twice.

Answer:

Explanation

Graphical user interface, text, application, email Description automatically generated

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