

Cisco.350-401.v2023-01-09.q226

Exam Code:	350-401
Exam Name:	Implementing Cisco Enterprise Network Core Technologies (350-401 ENCOR)
Certification Provider:	Cisco
Free Question Number:	226
Version:	v2023-01-09
# of views:	2466
# of Questions views:	2260
https://www.freepdfdumps.com/Cisco.350-401.v2023-01-09.q226.html	

NEW QUESTION: 1

In which two ways does the routing protocol OSPF differ from EIGRP? (Choose two.)

- A. OSPF supports an unlimited number of hops. EIGRP supports a maximum of 255 hops.
- B. OSPF supports only equal-cost load balancing. EIGRP supports unequal-cost load balancing.
- C. OSPF supports unequal-cost load balancing. EIGRP supports only equal-cost load balancing.
- D. OSPF provides shorter convergence time than EIGRP.
- E. OSPF is distance vector protocol. EIGRP is a link-state protocol.

Answer: A,B (LEAVE A REPLY)

NEW QUESTION: 2

How does the EIGRP metric differ from the OSPF metric?

- A. The EIGRP metric is calculated based on bandwidth only. The OSPF metric is calculated on delay only.
- B. The EIGRP metric is calculated based on delay only. The OSPF metric is calculated on bandwidth and delay.
- C. The EIGRP metric is calculated based on bandwidth and delay. The OSPF metric is calculated on bandwidth only.
- D. The EIGRP metric is calculated based on hop count and bandwidth. The OSPF metric is calculated on bandwidth and delay.

Answer: (SHOW ANSWER)

By default, EIGRP metric is calculated:

metric = bandwidth + delay

While OSPF is calculated by:

OSPF metric = Reference bandwidth / Interface bandwidth in bps

(Or Cisco uses 100Mbps (108) bandwidth as reference bandwidth. With this bandwidth, our equation would be:

Cost = 108/interface bandwidth in bps)

NEW QUESTION: 3

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

- A. IP address

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

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

NEW QUESTION: 4

```

{
  "Cisco-IOS-XE-native:GigabitEthernet": {
    "name": "1",
    "vrf": {
      "forwarding": "MANAGEMENT"
    },
    "address": {
      "primary": {
        "address": "10.0.0.151",
        "mask": "255.255.255.0"
      }
    },
    "arp": {
      "enabled": false
    },
    "Cisco-IOS-XE-ethernet:negotiation": {
      "auto": true
    }
  }
}

```

Refer to the exhibit Drag and drop the snippets into the RESTCONF request to form the request that returns this response
 Not all options are used

URL - http://10.10.10.10/restconf/api/running/native/ []

HTTP Verb- []

Body- N/A

Headers- []-application/vnd.yang.data+json

Authentication-privileged level 15 credentials

POST	Accept	Cisco-IOS-XE
interface/GigabitEthernet/1/	GET	PUT

Answer:

URL - http://10.10.10.10/restconf/api/running/native/ interface/GigabitEthernet/1/
HTTP Verb- GET
Body- N/A
Headers- Accept -application/vnd.yang.data+json
Authentication-privileged level 15 credentials

POST	Accept	Cisco-IOS-XE
interface/GigabitEthernet/1/	GET	PUT

NEW QUESTION: 5

Which outbound access list, applied to the WAN interface of a router, permits all traffic except for http traffic sourced from the workstation with IP address 10.10.10.1?

A)

```
ip access-list extended 100  
deny tcp host 10.10.10.1 any eq 80  
permit ip any any
```

B)

```
ip access-list extended 200  
deny tcp host 10.10.10.1 eq 80 any  
permit ip any any
```

C)

```
ip access-list extended NO_HTTP  
deny tcp host 10.10.10.1 any eq 80
```

D)

```
ip access-list extended 10  
deny tcp host 10.10.10.1 any eq 80  
permit ip any any
```

A. Option A

B. Option D

C. Option C

D. Option B

Answer: A (LEAVE A REPLY)

NEW QUESTION: 6

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

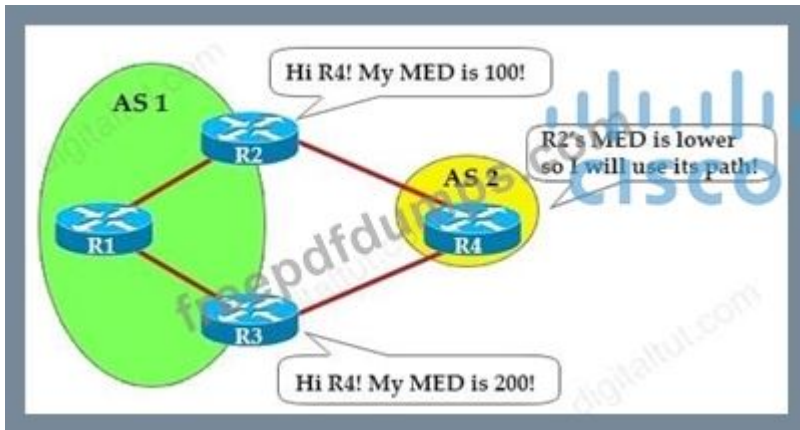
A. Set the weight attribute to 65.535 on BR1 toward PE1.

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



NEW QUESTION: 7

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

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

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

NEW QUESTION: 8

Refer to the exhibit.

```
R1#show run | b router ospf
router ospf 1
network 192.168.10.0 0.0.0.255 area 0

R1#show run | b interface loopback0
interface loopback0
ip address 192.168.10.50 255.255.255.0
```

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)

```
R1(config)#router ospf 1
R1(config-router)#network 192.168.10.0 255.255.255.0 area 0
```

B)

```
R1(config)#interface loopback0
```

```
R1(config-if)# ip ospf 1 area 0
```

C)

```
R1(config)# interface loopback0
```

```
R1(config-if)# ip ospf network point-to-point
```

D)

```
R1(config)# interface loopback0
```

```
R1(config-if)# ip ospf network non-broadcast
```

A. Option D

B. Option C

C. Option B

D. Option A

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

NEW QUESTION: 9

A company recently decided to use RESTCONF instead of NETCONF and many of their NETCONF scripts contain the operation

<edit-config>(operation="create"). Which RESTCONF operation must be used to replace these statements?

A. GET

B. PUT

C. CREATE

D. POST

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

NEW QUESTION: 10

An engineer is configuring a GRE tunnel interface in the default mode. The engineer has assigned an IPv4 address on the tunnel and sourced the tunnel from an Ethernet interface. Which option also is required on the tunnel interface before it is operational?

A. (config-if)#ip mtu <value>

B. (config-if)#keepalive <seconds retries>

C. (config-if)#ip tcp adjust-mss <value>

D. (config-if)#tunnel destination <ip address>

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

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. ICMP will be denied based on this configuration.

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. Class-default traffic will be dropped.

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

NEW QUESTION: 12

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 13

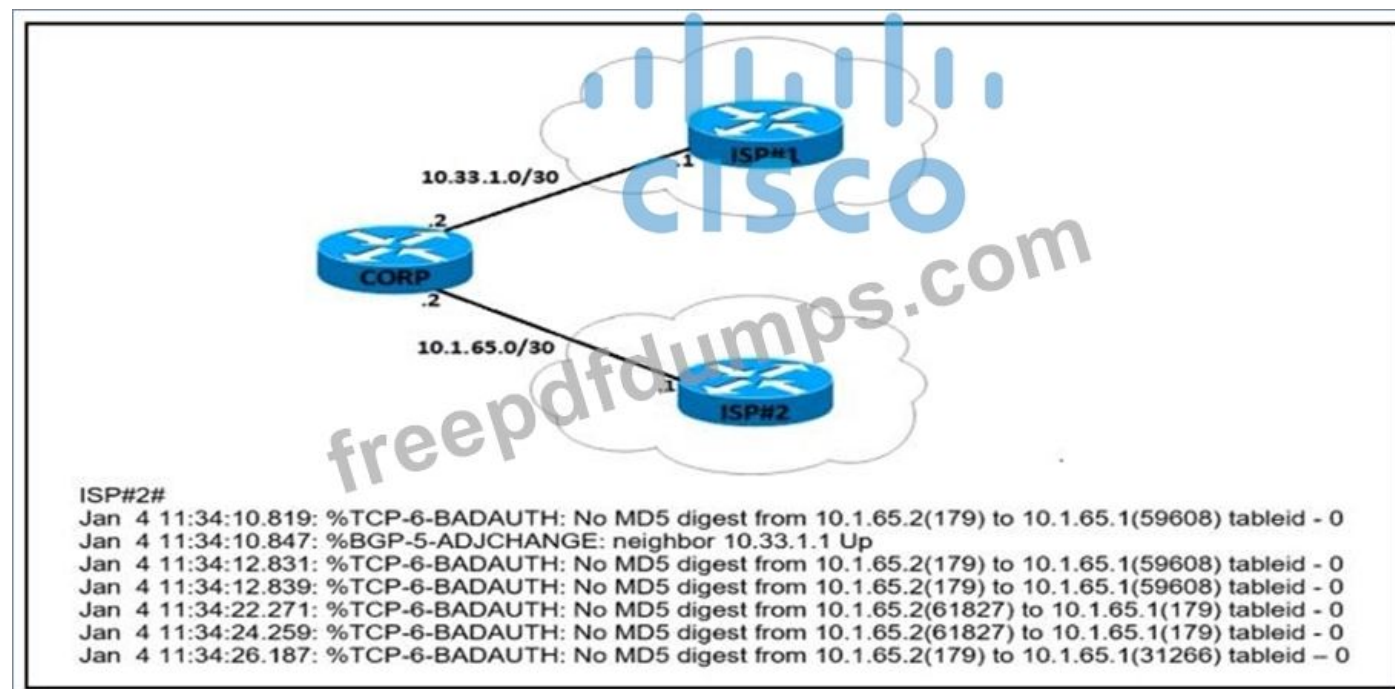
What is the responsibility of a secondary WLC?

- A. It registers the LAPs if the primary controller fails.
- B. It avoids congestion on the primary controller by sharing the registration load on the LAPs.
- 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: 14

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

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

NEW QUESTION: 15

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.

```
event manager applet Logging
  event timer cron name Logging cron-entry " "
  action 2.0 cli command "enable"
  action " " cli command "show logging | " "
```

1.0 3.0 redirect ftp://cisco:cisco@192.168.1.1

0 21 * * 0-4 0 21 * * 1-5 ftp://cisco:cisco@192.168.1.1

Answer:

```
event manager applet Logging
  event timer cron name Logging cron-entry " 0 21 * * 1-5 "
  action 2.0 cli command "enable"
  action 3.0 cli command "show logging | redirect ftp://cisco:cisco@192.168.1.1 " "
```

1.0 3.0 redirect ftp://cisco:cisco@192.168.1.1

0 21 * * 0-4 0 21 * * 1-5 ftp://cisco:cisco@192.168.1.1

NEW QUESTION: 16

Refer to the exhibit.

```
Switch1# show interfaces trunk
! Output omitted for brevity
Port Mode Encapsulation Status Native
Gi1/0/20 auto 802.1q trunking

Port Vlans allowed on trunk
Gi1/0/20 1-4094

Switch2# show interfaces trunk
! Output omitted for brevity
Port Mode Encapsulation Status Native
Gi1/0/20 auto 802.1q trunking 10

Port Vlans allowed on trunk
Gi1/0/20 1-4094
```

The trunk does not work over the back-to-back link between Switch1 interface Giq1/0/20 and Switch2 interface Gig1/0/20.

Which configuration fixes the problem?

A)

```
Switch1(config)#interface gig1/0/20
Switch1(config-if)#switchport mode dynamic auto
```

B)

```
Switch2(config)#interface gig1/0/20
Switch2(config-if)#switchport mode dynamic desirable
```

C)

```
Switch1(config)#interface gig1/0/20
Switch1(config-if)#switchport trunk native vlan 1
Switch2(config)#interface gig1/0/20
Switch2(config-if)#switchport trunk native vlan 1
```

D)

```
Switch2(config)#interface gig1/0/20  
Switch2(config-if)#switchport mode dynamic auto
```

A. Option A

B. Option C

C. Option B

D. Option D

Answer: C (LEAVE A REPLY)

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NEW QUESTION: 17

Refer to the exhibit.

```
Router# show running-config  
! lines omitted for brevity  
  
username cisco password 0 cisco  
  
aaa authentication login group1 group radius none  
aaa authentication login group2 group radius local  
aaa authentication login group3 group radius none  
  
line con 0  
password 0 cisco123  
login authentication group1  
line aux 0  
login authentication group3  
line vty 0 4  
password 0 test123  
login authentication group2
```

A network engineer must log in to the router via the console, but the RADIUS servers are not reachable Which credentials allow console access1?

A. no username and only the password "cisco123"

B. the username "cisco" and the password "Cisco"

C. the username "cisco" and the password "cisco123"

D. no username and only the password "test123"

Answer: (SHOW ANSWER)

NEW QUESTION: 18

By default, which virtual MAC address does HSRP group 30 use?

- A. 00:00:0c:07:ac:1e
- B. 00:42:18:14:05:1e
- C. 00:05:0c:07:ac:30
- D. 05:0c:5e:ac:07:30

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

NEW QUESTION: 19

Which Python code snippet must be added to the script to store the changed interface configuration to a local JSON-formatted file?

```
import json
import requests

Creds = ("user", "Z#418208328$mnV")
Headers = { "Content-Type" : "application/yang-data+json",
            "Accept" : "application/yang-data+json" }

BaseURL = https://cpe/restconf/data"
URL = BaseURL + "/Cisco-IOS-XE-native:native/interface"

Response = requests.get(URL, auth = Creds, headers = Headers, verify = False)
UpdatedConfig = Response.text.replace("2001:db8:1:", "2001:db8:café:")
```

- OutFile = open("ifaces.json", "w")
json.dump(UpdatedConfig, OutFile)
OutFile.close()
- OutFile = open("ifaces.json", "w")
OutFile.write(UpdatedConfig)
OutFile.close()
- OutFile = open("ifaces.json", "w")
OutFile.write(Response.text)
OutFile.close()
- OutFile = open("ifaces.json", "w")
OutFile.write(Response.json())
OutFile.close()

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 20

What is a characteristic of a type 2 hypervisor?

- A. referred to as bare-metal
- B. ideal for data center
- C. complicated deployment
- D. ideal for client/end-user system

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 21

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

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

NEW QUESTION: 22

Which new enhancement was implemented in Wi-Fi 6?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 23

Which function does a fabric AP perform in a Cisco SD-Access deployment?

- A. It connects wireless clients to the fabric.
- B. It configures security policies down to wireless clients in the fabric
- C. It manages wireless clients' membership information in the fabric
- D. It updates wireless clients' locations in the fabric

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

NEW QUESTION: 24

What is required for intercontroller Layer 3 roaming?

- A. WLCs have the same IP addresses configured on their interfaces.
- B. WLCs use separate DHCP servers.
- C. The management VLAN is present as a dynamic VLAN on the second WLC.
- D. Mobility groups are established between wireless controllers.

Answer: (SHOW ANSWER)

NEW QUESTION: 25

Refer to the exhibit.

```
ip access-list extended ACL-CoPP-Management
 permit udp any eq ntp any
 permit udp any any eq snmp
 permit tcp any any eq 22
 permit tcp any eq 22 any established

class-map match-all CLASS-CoPP-Management
 match access-group name ACL-CoPP-Management
```

Refer to the exhibit. An engineer must protect the CPU of the router from high rates of NTP, SNMP, and SSH traffic. Which two configurations must be applied to drop these types of traffic when it continuously exceeds 320 kbps? (Choose two)

```
 R1(config)#policy-map POLICY-CoPP
 R1(config-pmap)#class CLASS-CoPP-Management
 R1(config-pmap-c)#police 320000 conform-action transmit exceed-action transmit violate-action drop

 R1(config)#control-plane
 R1(config-cp)#service-policy input POLICY-CoPP

 R1(config-pmap)#class CLASS-CoPP-Management
 R1(config-pmap-c)#police 32 conform-action transmit exceed-action drop violate-action transmit

 R1(config)#control-plane
 R1(config-cp)#service-policy output POLICY-CoPP

 R1(config)#policy-map POLICY-CoPP
 R1(config-pmap)#class CLASS-CoPP-Management
 R1(config-pmap-c)#police 320000 conform-action transmit exceed-action drop violate-action drop
```


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

Answer: (SHOW ANSWER)

NEW QUESTION: 26

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

```
{
  "response": [{
    "family": "Switches",
    "macAddress": "00:42:50:62:99:00",
    "hostname": "SwitchIDF14",
    "upTime": "352 days, 6:17:26:10",
    "lastUpdated": "2020-07-12 21:15:29"
  }]
}
```

- 
- `json_data = json.loads(response.text)`
`print(json_data[response][0][hostname])`
 - `json_data = json.loads(response.text)`
`print(json_data[response][family][hostname])`
 - `json_data = response.json()`
`print(json_data[response][0][hostname])`
 - `json_data = response.json()`
`print(json_data[response][family][hostname])`

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

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

NEW QUESTION: 27

Which solution do IaaS service providers use to extend a Layer 2 segment across a Layer 3 network?

- A. VTEP
- B. VXLAN
- C. VRF
- D. VLAN

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

Refer to the exhibit.



```

Router1# ssh -s admin@192.168.20.3 -p 830 netconf
admin@192.168.20.3's password: cisco123

<?xml version="1.0" encoding="UTF-8"?>
<hello xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
<capabilities>
<capability>urn:ietf:params:netconf:base:1.0</capability>
<capability>urn:ietf:params:netconf:base:1.1</capability>
<capability>urn:ietf:params:netconf:capability:writable-
running:1.0</capability>
<capability>urn:ietf:params:netconf:capability:xpath:1.0</capability>
<capability>urn:ietf:params:netconf:capability:validate:1.0</capability>
<capability>urn:ietf:params:netconf:capability:validate:1.1</capability>
<capability>urn:ietf:params:netconf:capability:rollback-on-
error:1.0</capability>
--snip--
</capabilities>
</session-id>2870</session-id></ hello>]]]]>

Use < ^C > to exit

```

Refer to the exhibit. An engineer tries to log in to router R1. Which configuration enables a successful login?

A)

```

R1# username admin privilege 15
aaa authorization exec default local

```

B)

```

R1#netconf-yang
username admin privilege 15 secret cisco123
aaa new-model
aaa authorization exec default local

```

C)

```

R1# aaa new-model
aaa authorization exec default local
enable aaa admin privilege 15

```

D)

```

R1#username admin privilege 15
aaa authorization exec default local
netconf-yang

```

A. Option B

B. Option A

C. Option D

D. Option C

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

NEW QUESTION: 29

Which method should an engineer use to deal with a long-standing contention issue between any two VMs on the same host?

- A. Adjust the resource reservation limits
- B. Reset the host
- C. Live migrate the VM to another host
- D. Reset the VM

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

NEW QUESTION: 30

What is the recommended MTU size for a Cisco SD-Access Fabric?

- A. 4464
- B. 1500
- C. 9100
- D. 17914

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

At which Layer does Cisco DNA Center support REST controls?

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

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

Drag and drop the tools from the left onto the agent types on the right.

The interface shows a list of tools on the left and agent types on the right. The tools are Ansible, Terraform, and Chef. The agent types are Agentless (with two empty slots) and Agent-Based (with one empty slot). A large watermark 'freepdfdumps.com' is overlaid on the interface.

Answer:



NEW QUESTION: 33

What does the LAP send when multiple WLCs respond to the CISCO_CAPWAP-CONTROLLER.localdomain hostname during the CAPWAP discovery and join process?

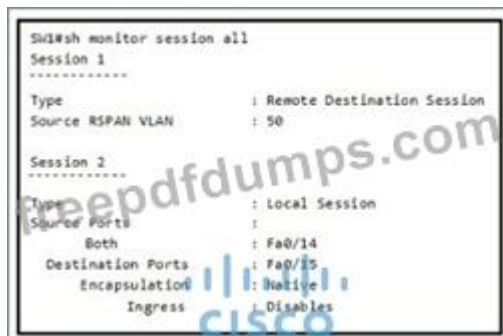
- A. broadcast discover request
- B. join request to all the WLCs
- C. unicast discovery request to each WLC
- D. Unicast discovery request to the first WLS that resolves the domain name

Answer: (SHOW ANSWER)

The AP will attempt to resolve the DNS name CISCO-CAPWAP-CONTROLLER.localdomain. When the AP is able to resolve this name to one or more IP addresses, the AP sends a unicast CAPWAP Discovery Message to the resolved IP address(es). Each WLC that receives the CAPWAP Discovery Request Message replies with a unicast CAPWAP Discovery Response to the AP.

NEW QUESTION: 34

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: D (LEAVE A REPLY)

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: 35

In a Cisco StackWise Virtual environment, which planes are virtually combined in the common logical switch?

- A. control, and forwarding
- B. control and management
- C. control and data
- D. management and data

Answer: B (LEAVE A REPLY)

NEW QUESTION: 36

How does Cisco Trustsec enable more access controls for dynamic networking environments and data centers?

- A. classifies traffic based on advanced application recognition
- B. uses flexible NetFlow
- C. classifies traffic based on the contextual identity of the endpoint rather than its IP address correct
- D. assigns a VLAN to the endpoint

Answer: C (LEAVE A REPLY)

The Cisco TrustSec solution simplifies the provisioning and management of network access control through the use of software-defined segmentation to classify network traffic and enforce policies for more flexible access controls. Traffic classification is based on endpoint identity, not IP address, enabling policy change without network redesign.

NEW QUESTION: 37

What is the recommended minimum SNR for data applications on wireless networks?

- A. 15
- B. 20
- C. 25
- D. 10

Answer: B (LEAVE A REPLY)

Generally, a signal with an SNR value of 20 dB or more is recommended for data networks where as an SNR value of 25 dB or more is recommended for networks that use voice applications

[https://documentation.meraki.com/MR/WiFi_Basics_and_Best_Practices/Signal-to-](https://documentation.meraki.com/MR/WiFi_Basics_and_Best_Practices/Signal-to-Noise_Ratio_(SNR)_and_Wireless_Signal_Strength#:~:text=Generally%2C%20a%20signal%20with%20an,networks%20that%20use%20voice%20applications.)

Noise_Ratio_(SNR)_and_Wireless_Signal_Strength#:~:text=Generally%2C%20a%20signal%20with%20an,networks%20that%20use%20voice%20applications.

NEW QUESTION: 38

Refer to the exhibit.

```
0 packets, 0 bytes
5 minute offered rate 0000 bps, drop rate 0000 bps
Match: access-group name SNMP
police:
  cir 8000 bps, bc 1500 bytes
  conformed 0 packets, 0 bytes; actions:
  transmit
  exceeded 0 packets, 0 bytes; actions:
  drop
  conformed 0000 bps, exceeded 0000 bps

Class-map: class-default (match-any)
13858 packets, 1378745 bytes
5 minute offered rate 0000 bps, drop rate 0000 bps
Match: any
```

How does the router handle traffic after the CoPP policy is configured on the router?

- A. Traffic coming to R1 that does not match access list SNMP is dropped.
- B. Traffic passing through R1 that matches access list SNMP is policed.
- C. Traffic generated by R1 that matches access list SNMP is policed.
- D. Traffic coming to R1 that matches access list SNMP is policed.

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

NEW QUESTION: 39

When using BFD in a network design, which consideration must be made?

- A. BFD is used with first hop routing protocols to provide subsecond convergence.
- B. BFD is used with dynamic routing protocols to provide subsecond convergence.
- C. BFD is more CPU-intensive than using reduced hold timers with routing protocols.
- D. BFD is used with NSF and graceful to provide subsecond convergence.

Answer: (SHOW ANSWER)

NEW QUESTION: 40

Drag and drop the characteristics from the left onto the orchestration tools that they describe on the right.



Answer:



NEW QUESTION: 41

What is one characteristic of the Cisco SD-Access control plane?

- A. It is based on VXLAN technology.
- B. Each router processes every possible destination and route
- C. It allows host mobility only in the wireless network.
- D. It stores remote routes in a centralized database server

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

A control plane node maintains a host tracking database (HTDB), and also uses Locator/ID Separation Protocol (LISP) to provide a map server, populating the HTDB from fabric edge registration messages; and a map resolver to respond to queries from edge devices requesting location information about destination nodes.

NEW QUESTION: 42

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)

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: 43

Which QoS queuing method transmits packets out of the interface in the order the packets arrive?

- A. weighted- fair
- B. custom
- C. FIFO
- D. priority

Answer: (SHOW ANSWER)

NEW QUESTION: 44

Which two operations are valid for RESTCONF? (Choose two.)

- A. HEAD
- B. REMOVE
- C. PULL
- D. PATCH
- E. ADD
- F. PUSH

Answer: A,D (LEAVE A REPLY)

RESTCONF operations include OPTIONS, HEAD, GET, POST, PATCH, DELETE.

NEW QUESTION: 45

Refer to Exhibit.



MTU has been configured on the underlying physical topology, and no MTU command has been configured on the tunnel interfaces. What happens when a 1500-byte IPv4 packet traverses the GRE tunnel from host X to host Y, assuming the DF bit is cleared?

- A. The packet arrives on router C without fragmentation.
- B. The packet is discarded on router A
- C. The packet is discarded on router B
- D. The packet arrives on router C fragmented.

Answer: (SHOW ANSWER)

Like any protocol, using GRE adds a few bytes to the size of data packets. This must be factored into the MSS and MTU settings for packets. If the MTU is 1,500 bytes and the MSS is 1,460 bytes (to account for the size of the necessary IP and TCP headers), the addition of GRE 24-byte headers will cause the packets to exceed the MTU:

$1,460 \text{ bytes [payload]} + 20 \text{ bytes [TCP header]} + 20 \text{ bytes [IP header]} + 24 \text{ bytes [GRE header + IP header]} = 1,524 \text{ bytes}$

As a result, the packets will be fragmented. Fragmentation slows down packet delivery times and increases how much compute power is used, because packets that exceed the MTU must be broken down and then reassembled.

NEW QUESTION: 46

Which method creates an EEM applet policy that is registered with EEM and runs on demand or manually?

- A. event manager applet ondemand
event register
action 1.0 syslog priority critical msg 'This is a message from ondemand'
- B. event manager applet ondemand
event manual
action 1.0 syslog priority critical msg 'This is a message from ondemand'
- C. event manager applet ondemand
event none
action 1.0 syslog priority critical msg 'This is a message from ondemand'
- D. event manager applet ondemand
action 1.0 syslog priority critical msg 'This is a message from ondemand'

Answer: (SHOW ANSWER)

An EEM policy is an entity that defines an event and the actions to be taken when that event occurs. There are two types of EEM policies: an applet or a script. An applet is a simple form of policy that is defined within the CLI configuration. answer 'event manager applet ondemand
event register

action 1.0 syslog priority critical msg 'This is a message from ondemand'
<="" p="" style="border: 1px solid black; padding: 5px; width: fit-content; margin-top: 10px;">

There are two ways to manually run an EEM policy. EEM usually schedules and runs policies on the

basis of an event specification that is contained within the policy itself. The event none command allows EEM to identify an EEM policy that can be manually triggered. To run the policy, use either the action policy command in applet configuration mode or the event manager run command in privileged EXEC mode.

Reference:

3s-book/eem-policy-cli.html

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NEW QUESTION: 47

A network engineer must configure a switch to allow remote access for all feasible protocols. Only a password must be requested for device authentication and all idle sessions must be terminated in 30 minutes. Which configuration must be applied?



A. Option A

B. Option D

C. Option C

D. Option B

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

NEW QUESTION: 48

Refer to the exhibit Which single security feature is recommended to provide Network Access Control in the enterprise?

A. MAB

B. port security sticky MAC

C. WebAuth

D. 802.1X

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

NEW QUESTION: 49

Refer to the exhibit. A network operator is attempting to configure an IS-IS adjacency between two routers, but the adjacency cannot be established. To troubleshoot the problem, the operator collects this debugging output. Which interfaces are misconfigured on these routers?

A. The peer router interface is configured as Level 1 only, and the R2 interface is configured as Level 2 only

B. The peer router interface is configured as point-as-point, and the R2 interface is configured as multipoint.

C. The R2 interface is configured as point-to-point, and the peer router interface is configured as multipoint.

D. The R2 interface is configured as Level 1 only, and the Peer router interface is configured as Level 2 only

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

NEW QUESTION: 50

In a Cisco SD-WAN solution, which two functions are performed by OMP? (Choose two.)

A. advertisement of network prefixes and their attributes

B. configuration of control and data policies

C. gathering of underlay infrastructure data

D. delivery of crypto keys

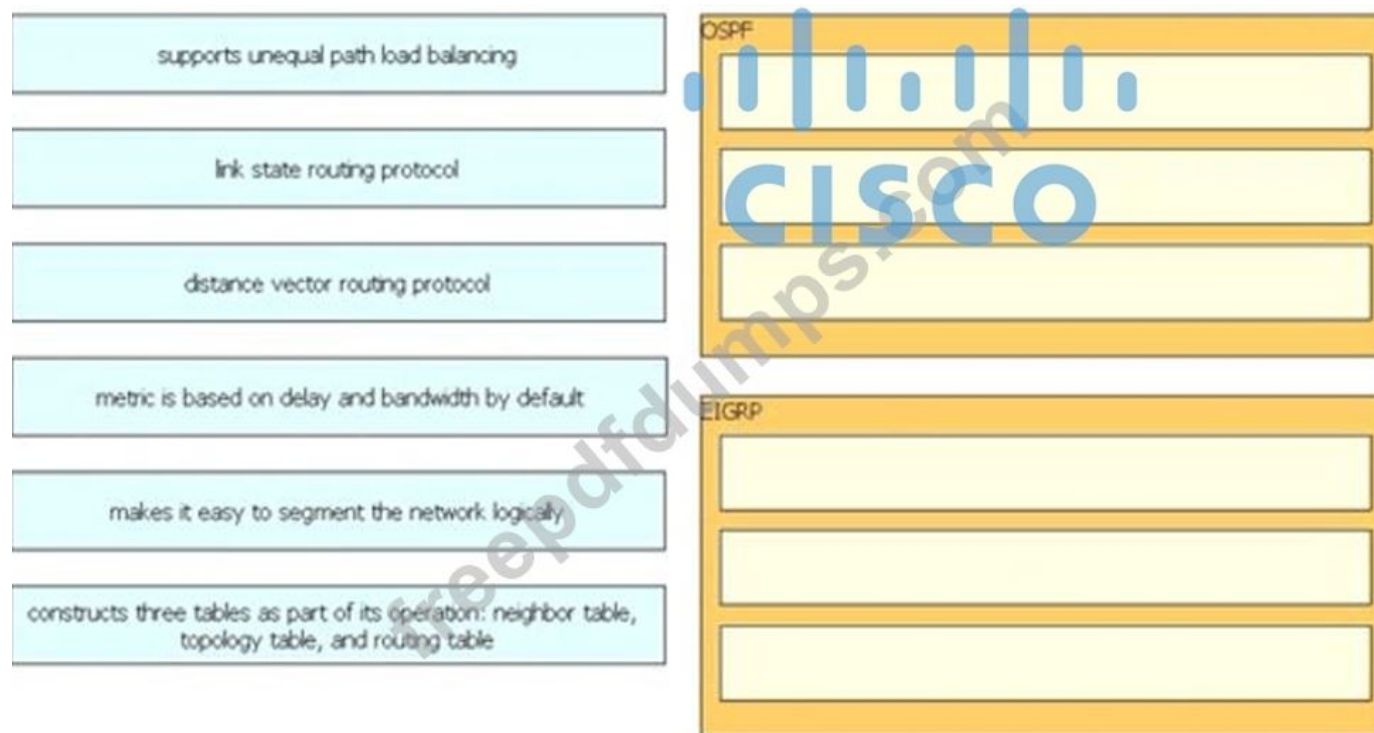
E. segmentation and differentiation of traffic

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

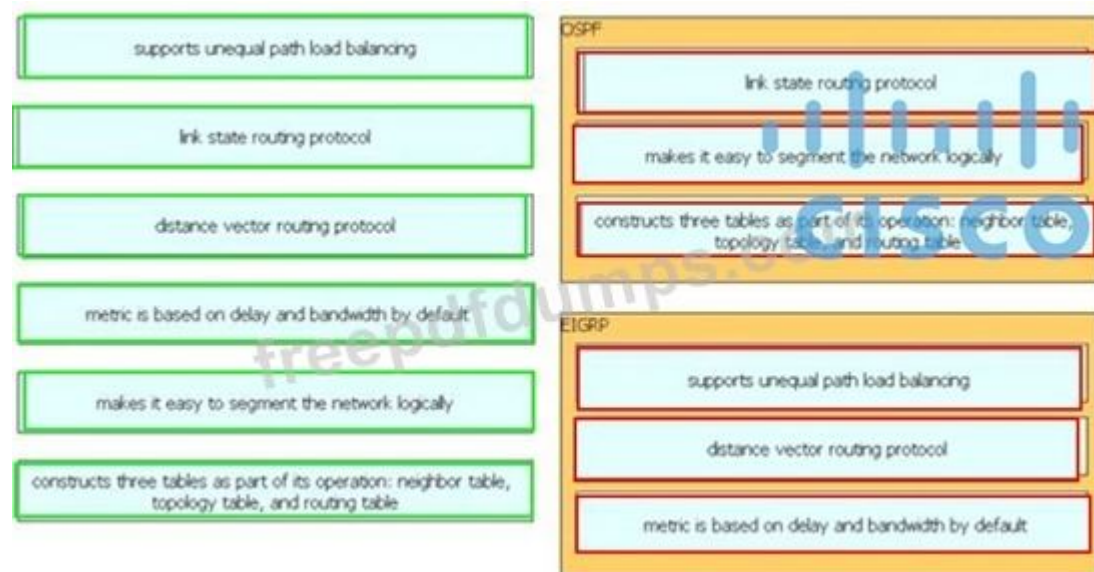
OMP is the control protocol that is used to exchange routing, policy, and management information between Cisco vSmart Controllers and Cisco IOS XE SD-WAN devices in the overlay network. These devices automatically initiate OMP peering sessions between themselves, and the two IP end points of the OMP session are the system IP addresses of the two devices.

NEW QUESTION: 51

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



Answer:



NEW QUESTION: 52

An engineer configures HSRP group 37. The configuration does not modify the default virtual MAC address. Which virtual MAC address does the group use?

- A. C0:39:83:25:258:5
- B. C0:00:00:25:00:00
- C. 00:00:0c:07:ac:25
- D. 00:00:0c:07:ac:37

Answer: (SHOW ANSWER)

NEW QUESTION: 53

Refer to the exhibit.



Refer to the exhibit. An engineer must configure an ERSPAN tunnel that mirrors traffic from linux1 on Switch1 to Linux2 on Switch2. Which command must be added to the destination configuration to enable the ERSPAN tunnel?

- A. (config-mon-erspan-dst-src)# erspan-id 172.16.10.10
- B. (config-mon-erspan-dst-src)# origin ip address 172.16.10.10
- C. (config-mon-erspan-dst-src)# no shut
- D. (config-mon-erspan-dst-src)# erspan-id 110

Answer: D (LEAVE A REPLY)

NEW QUESTION: 54

Which two security features are available when implementing NTP? (Choose two)

- A. broadcast association mode
- B. dock offset authentication
- C. access list-based restriction scheme
- D. encrypted authentication mechanism
- E. symmetric server passwords

Answer: C,D (LEAVE A REPLY)

NEW QUESTION: 55

By default, which virtual MAC address does HSRP group 15 use?

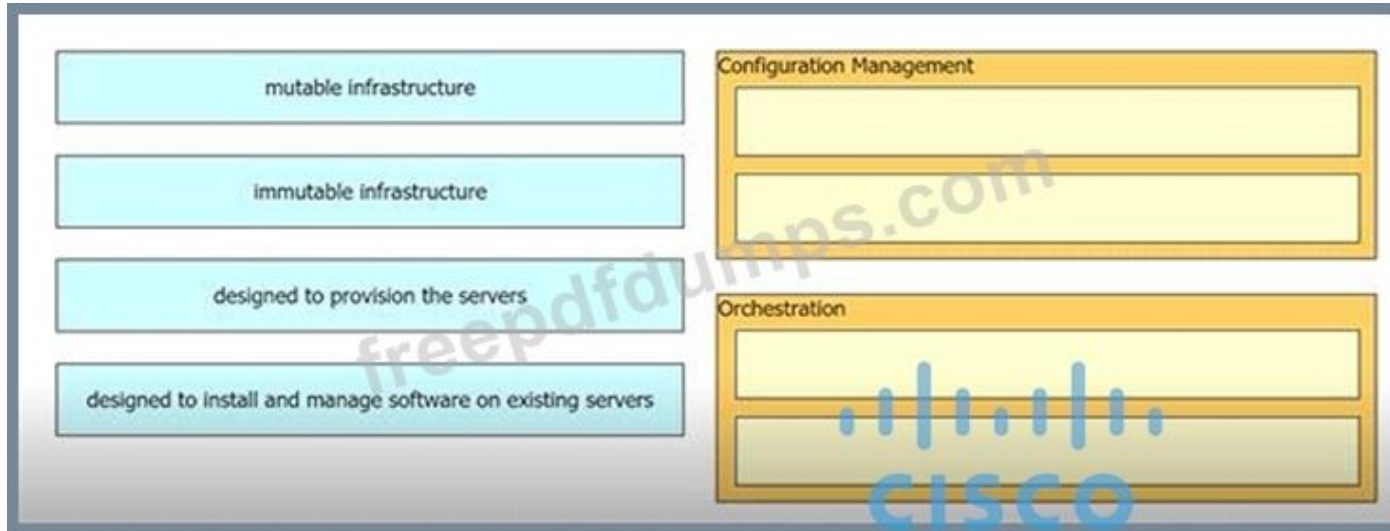
- A. 05:5e:ac:07:0c:0f

- B. 00:00:0c:07:ac:0f
- C. 05:af:1c:0f:ac:15
- D. c0:42:34:03:73:0f

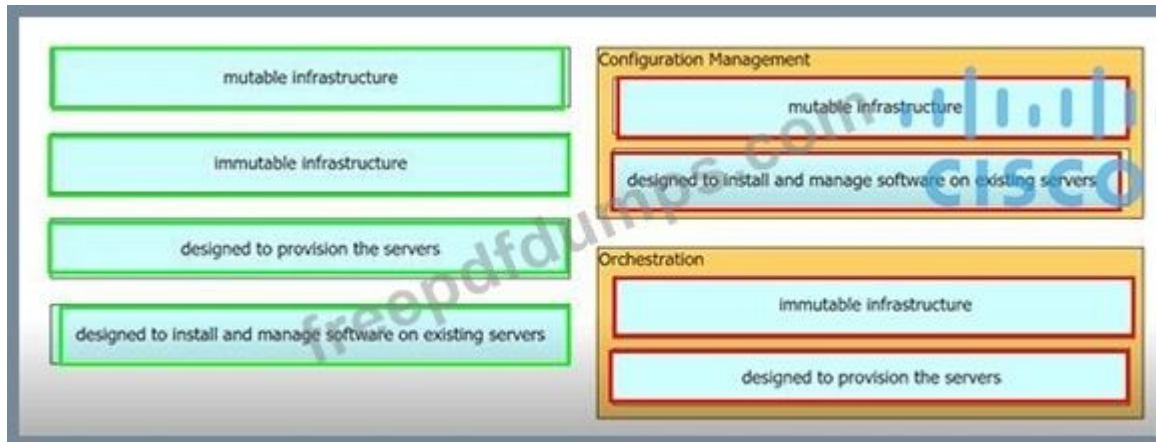
Answer: **B (LEAVE A REPLY)**

NEW QUESTION: 56

Drag and drop the characteristics from the left onto the orchestration tool classifications on the right.



Answer:



NEW QUESTION: 57

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

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

Answer: **(SHOW ANSWER)**

NEW QUESTION: 58

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

```
def get_token () :
    device_url = "https://192.168.1.1/dnatsystem/api/v1/auth/token"
    http_result = requests.post(device_url, auth = ("Test", "tes098810436"))
    if http_result.status_code != requests.codes.ok:
        print ("Call failed! Review get_token () . ")
        sys.exit ()
    return (http_result.json () ["Token"])
```

- A. 300
- B. 301
- C. 200
- D. 201

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 59

Refer to the exhibit.

```
SW1#show cdp neighbors | include Local0/1
Device ID    Local Intfce  Holdtime  Capability Platform  Port ID
SW2         Fas 0/1      131       RS WS-C3750- Fas 0/1

SW1#show interfaces FastEthernet0/1 switchport
Name: Fa0/1
Switchport: Enabled
Administrative Mode: dynamic desirable
Operational Mode: static access
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: native
Negotiation of Trunking: On

SW2#show cdp neighbors | include Local0/1
Device ID    Local Intfce  Holdtime  Capability Platform  Port ID
SW1         Fas 0/1      142       RS WS-C3750- Fas 0/1

SW2#show interfaces FastEthernet0/1 switchport
Name: Fa0/1
Switchport: Enabled
Administrative Mode: dynamic desirable
Operational Mode: static access
Administrative Trunking Encapsulation: isl
Operational Trunking Encapsulation: native
Negotiation of Trunking: On
```

An engineer configures a trunk between SW1 and SW2 but tagged packets are not passing. Which action fixes the issue?

- A. Configure FastEthernet0/1 on both switches for static trunking.
- B. Configure the native VLAN to be the same VLAN on both switches on interface FastEthernet0/1.
- C. Configure SW2 with encapsulation dot1q on interface FastEthernet0/1.
- D. Configure SW1 with dynamic auto mode on interface FastEthernet0/1.

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

NEW QUESTION: 60

Which two GRE features are configured to prevent fragmentation? (Choose two.)

- A. TCP MSS
- B. PMTUD
- C. DF bit Clear
- D. MTU ignore
- E. IP MTU
- F. TCP window size

Answer: A,E (LEAVE A REPLY)

The `ip tcp adjust-mss` only affects TCP streams. Other kinds of IP traffic - UDP, SCTP, DCCP, ICMP, ESP, AH, to name just a few - won't be influenced by the `ip tcp adjust-mss` command, and so their datagrams must be fragmented at the IP layer. That's why it is necessary to properly `configure the ip mtu` command to let the router know how large the fragments of non-TCP-carrying IP packets can be.

NEW QUESTION: 61

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

- A. three-tier
- B. Layer 2 access
- C. routed access
- D. two-tier

Answer: D (LEAVE A REPLY)

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NEW QUESTION: 62

A customer wants to provide wireless access to contractors using a guest portal on Cisco ISE. The portal is also used by employees. A solution is implemented, but contractors receive a certificate error when they attempt to access the portal. Employees can access the portal without any errors. Which change must be implemented to allow the contractors and employees to access the portal?

- A. Install an Internal CA signed certificate on the contractor devices
- B. Install a trusted third-party certificate on the Cisco ISE.
- C. install a trusted third-party certificate on the contractor devices.
- D. Install an internal CA signed certificate on the Cisco ISE

Answer: (SHOW ANSWER)

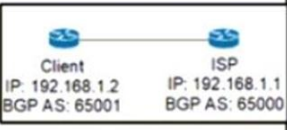
NEW QUESTION: 63

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.

```

<config xmlns:xc="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
<native xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-native" xmlns:ios-bgp="http://cisco.com/ns/yang/Cisco-IOS-XE-bgp">
<router>
<ios-bgp:bgp> [ ] /ios-bgp:id>
<ios-bgp:id> [ ] /ios-bgp:id>
<ios-bgp:neighbor>
<ios-bgp:id> [ ] </ios-bgp:id>
<ios-bgp:remote-as> [ ] </ios-bgp:remote-as>
</ios-bgp:neighbor>
<ios-bgp:address-family>
<ios-bgp:no-vrf>
<ios-bgp:ipv4>
<ios-bgp:af-name>unicast</ios-bgp:af-name>
<ios-bgp:ipv4-unicast>
<ios-bgp:neighbor>
<ios-bgp:id> [ ] </ios-bgp:id>
<ios-bgp:soft-reconfiguration>inbound</ios-bgp:soft-reconfiguration>
</ios-bgp:neighbor>
</ios-bgp:ipv4-unicast>
</ios-bgp:ipv4>
</ios-bgp:no-vrf>
</ios-bgp:address-family>
</ios-bgp:bgp>
</router>
</native>
</config>

```



192.168.1.1 192.168.1.2 65000 65001 Client ISP

Answer:

```

<config xmlns:xc="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
<native xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-native" xmlns:ios-bgp="http://cisco.com/ns/yang/Cisco-IOS-XE-bgp">
<router>
<ios-bgp:bgp> [ ISP ] /ios-bgp:id>
<ios-bgp:id> [ ] /ios-bgp:id>
<ios-bgp:neighbor>
<ios-bgp:id> [ 192.168.1.1 ] </ios-bgp:id>
<ios-bgp:remote-as> [ 65001 ] </ios-bgp:remote-as>
</ios-bgp:neighbor>
<ios-bgp:address-family>
<ios-bgp:no-vrf>
<ios-bgp:ipv4>
<ios-bgp:af-name>unicast</ios-bgp:af-name>
<ios-bgp:ipv4-unicast>
<ios-bgp:neighbor>
<ios-bgp:id> [ 65001 ] </ios-bgp:id>
<ios-bgp:soft-reconfiguration>inbound</ios-bgp:soft-reconfiguration>
</ios-bgp:neighbor>
</ios-bgp:ipv4-unicast>
</ios-bgp:ipv4>
</ios-bgp:no-vrf>
</ios-bgp:address-family>
</ios-bgp:bgp>
</router>
</native>
</config>

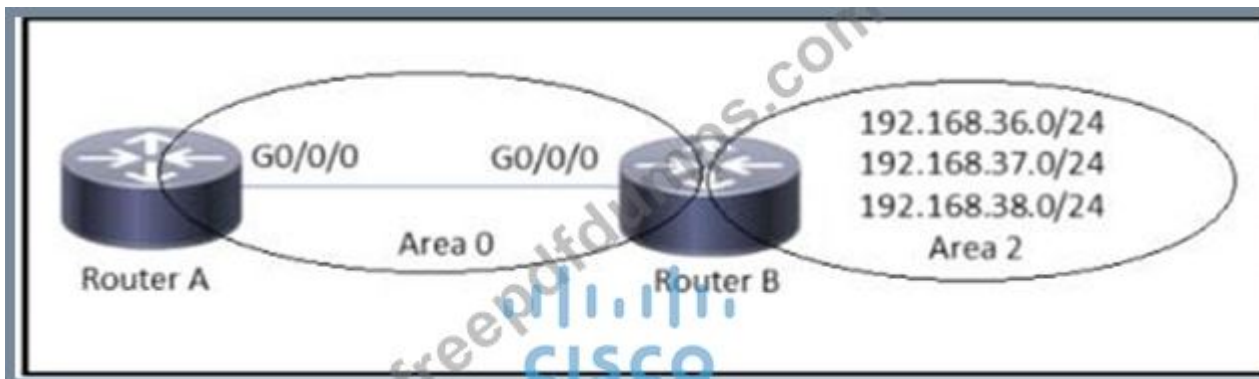
```



192.168.1.1 192.168.1.2 65000 65001 Client ISP

NEW QUESTION: 64

Refer to the exhibit.



Refer to the exhibit. Which configuration is required to summarize the Area 2 networks that are advertised to Area 0?

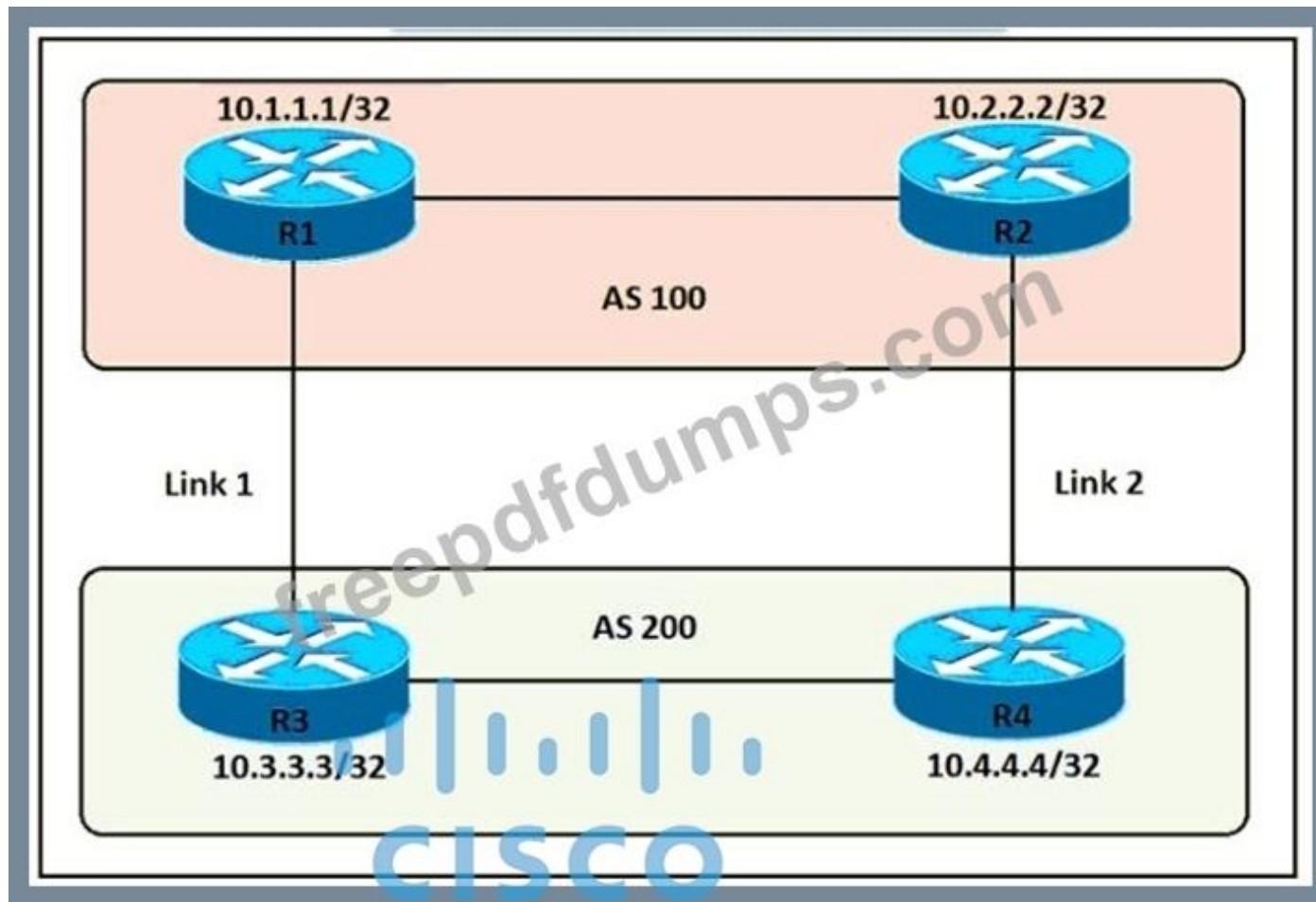
- RouterB(config)# router ospf 1
RouterB(config-router)# network 192.168.38.0 255.255.252.0
- RouterB(config)# router ospf 1
RouterB(config-router)# network 192.168.38.0 255.255.255.0
- RouterB(config)# router ospf 1
RouterB(config-router)# area 2 range 192.168.36.0 255.255.252.0
- RouterB(config)# router ospf 1
RouterB(config-router)# area 2 range 192.168.36.0 255.255.255.0

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

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

NEW QUESTION: 65

Refer to the exhibit.



An engineer must ensure that all traffic leaving AS 200 will choose Link 2 as the exit point. Assuming that all BGP neighbor relationships have been formed and that the attributes have not been changed on any of the routers, which configuration accomplish task?

- A. R4(config-router)bgp default local-preference 200

- B. R3(config-router)neighbor 10.1.1.1 weight 200
- C. R3(config-router)bgp default local-preference 200
- D. R4(config-router)neighbor 10.2.2.2 weight 200

Answer: A (LEAVE A REPLY)

Local preference is an indication to the AS about which path has preference to exit the AS in order to reach a certain network. A path with a higher local preference is preferred. The default value for local preference is 100.

Unlike the weight attribute, which is only relevant to the local router, local preference is an attribute that routers exchange in the same AS. The local preference is set with the "bgp default local-preference value" command.

In this case, both R3 & R4 have exit links but R4 has higher local-preference so R4 will be chosen as the preferred exit point from AS 200.

NEW QUESTION: 66

Refer to the exhibit.

```
Extended IP access list EGRESS
10 permit ip 10.1.100.0 0.0.0.255 10.1.2.0 0.0.0.255
20 deny ip any any
```

An engineer must modify the access control list EGRESS to allow all IP traffic from subnet 10.1.10.0/24 to 10.1.2.0/24. The access control list is applied in the outbound direction on router interface GigabitEthernet 0/1. Which configuration commands can the engineer use to allow this traffic without disrupting existing traffic flows?

A)

```
config t
ip access-list extended EGRESS
permit ip 10.1.10.0 255.255.255.0 10.1.2.0 255.255.255.0
```

B)

```
config t
ip access-list extended EGRESS
5 permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255
```

C)

```
config t
ip access-list extended EGRESS2
permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255
permit ip 10.1.100.0 0.0.0.255 10.1.2.0 0.0.0.255
deny ip any any
!
interface g0/1
no ip access-group EGRESS out
ip access-group EGRESS2 out
```

D)

```
config t
ip access-list extended EGRESS
permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255
```

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

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

NEW QUESTION: 67

When configuration WPA2 Enterprise on a WLAN, which additional security component configuration is required?

- A. RADIUS server
- B. PKI server
- C. TACACS server
- D. NTP server

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

NEW QUESTION: 68

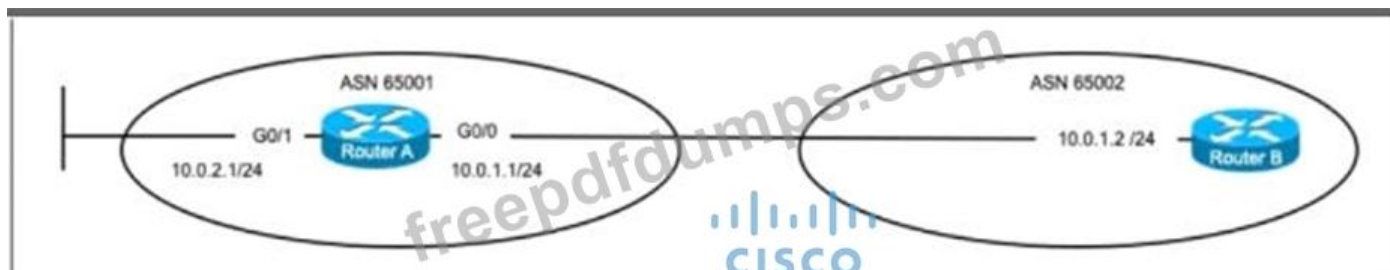
What is a benefit of Type 1 hypervisors?

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

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

NEW QUESTION: 69

Refer to the exhibit.



Refer to the exhibit. An engineer must configure an eBGP neighborship to Router B on Router A.

The network that is connected to G0/1 on Router A must be advertised to Router B.

Which configuration should be applied?

- ```
router bgp 65001
neighbor 10.0.1.2 remote-as 65002
network 10.0.1.0 255.255.255.0
```
- A.

```
router bgp 65002
neighbor 10.0.1.2 remote-as 65002
network 10.0.2.0 255.255.255.0
```

B.

```
router bgp 65001
neighbor 10.0.1.2 remote-as 65002
network 10.0.2.0 255.255.255.0
```

C.

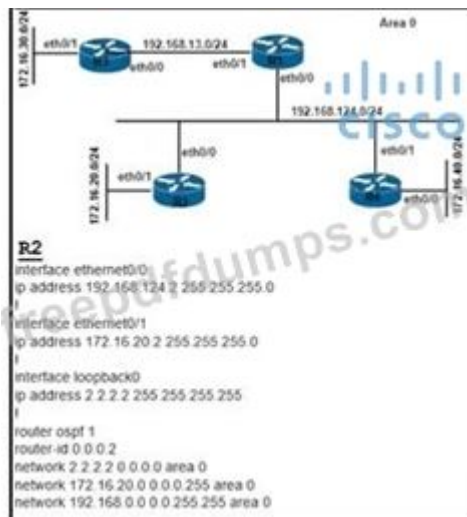
```
router bgp 65001
neighbor 10.0.1.2 remote-as 65002
redistribute static
```

D.

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

### NEW QUESTION: 70

Refer to the exhibit.



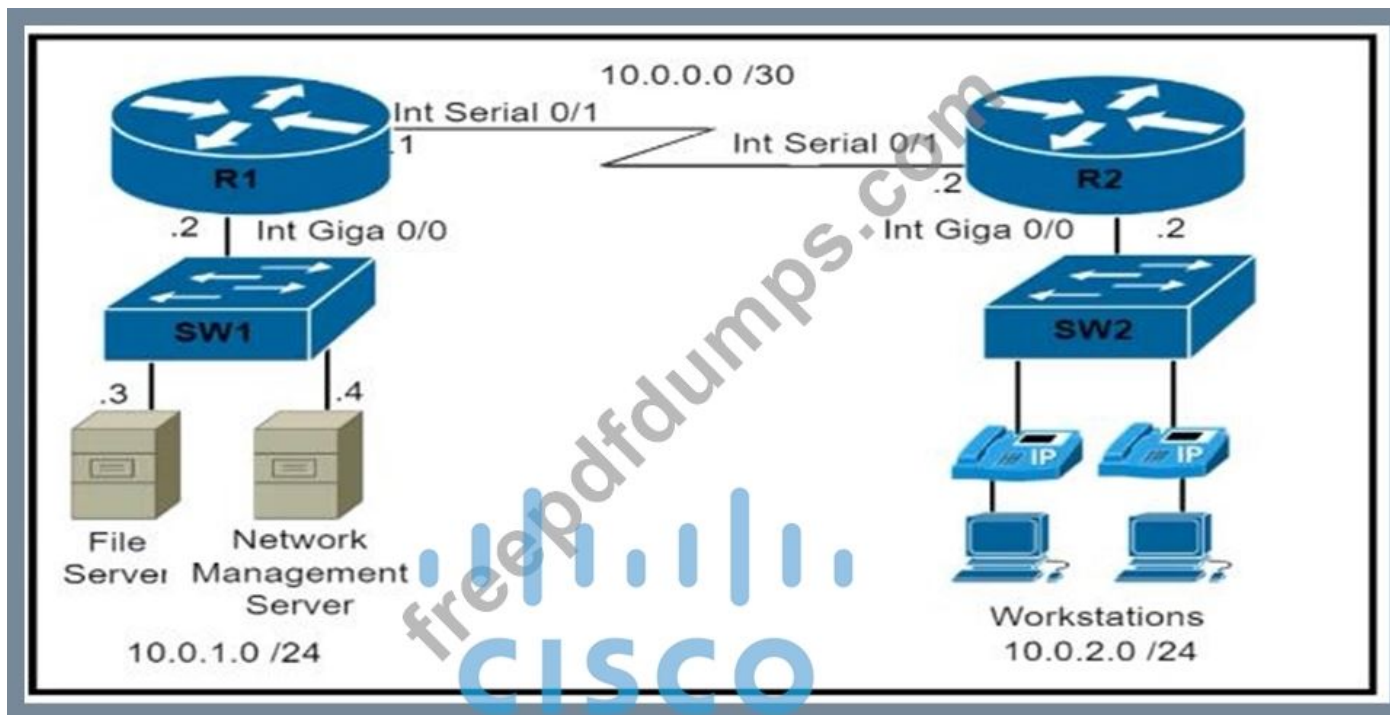
Refer to the exhibit. An attacker can advertise OSPF fake routes from 172.16.20.0 network to the OSPF domain and black hole traffic. Which action must be taken to avoid this attack and still be able to advertise this subnet into OSPF?

- A. Configure 172.16.20.0 as a stub network.
- B. Configure graceful restart on the 172.16.20.0 interface.
- C. Configure a passive Interface on R2 toward 172.16.20.0.
- D. Apply a policy to filter OSPF packets on R2.

Answer: ([SHOW ANSWER](#))

### NEW QUESTION: 71

Refer to the exhibit.



An engineer must configure and validate a CoPP policy that allows the network management server to monitor router R1 via SNMP while protecting the control plane. Which two commands or command sets must be used? (Choose two.)

A) `show quality-of-service-profile`

B) `show ip interface brief`

C) 

```
access-list 150 permit udp 10.0.1.4 0.0.0.0 host 10.0.1.2 eq snmp
class-map match-all CoPP-management
match access-group 150
policy-map CoPP-policy
class CoPP-management
police 8000 conform-action transmit exceed-action transmit
violate-action transmit
control-plane
Service-policy input CoPP-policy
```

D) `show policy-map control-plane`

E)

```
access-list 100 permit udp 10.0.1.4 0.0.0.0 host 10.0.1.2 eq snmp
access-list 150 permit udp 10.0.1.4 0.0.0.0 eq snmp host 10.0.1.
```

```
class-map match-all CoPP-management
match access-group 150
```

```
policy-map CoPP-policy
class CoPP-management
police 8000 conform-action transmit exceed-action transmit
violate-action drop
```

```
control-plane
```

```
service-policy input CoPP-policy
```

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

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

#### NEW QUESTION: 72

In a Cisco StackWise Virtual environment, which planes are virtually combined in the common logical switch?

- A. control and data
- B. control and management
- C. control, and forwarding
- D. management and data

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

#### NEW QUESTION: 73

Refer to the exhibit.

```
Device> enable
Device# configure terminal
Device(config)# monitor session 1 type erspan-source
Device(config-mon-erspan-src)# description source1
Device(config-mon-erspan-src)# source interface GigabitEthernet1/0/1 rx
Device(config-mon-erspan-src)# source interface GigabitEthernet1/0/4 - 8 tx
Device(config-mon-erspan-src)# source interface GigabitEthernet1/0/3
Device(config-mon-erspan-src)# destination
Device(config-mon-erspan-src-dst)# erspan-id 100
Device(config-mon-erspan-src-dst)# origin ip address 10.1.0.1
Device(config-mon-erspan-src-dst)# ip prec 5
Device(config-mon-erspan-src-dst)# ip ttl 32
Device(config-mon-erspan-src-dst)# mtu 1700
Device(config-mon-erspan-src-dst)# origin ip address 10.10.0.1
Device(config-mon-erspan-src-dst)# vrf 1
Device(config-mon-erspan-src-dst)# no shutdown
Device(config-mon-erspan-src-dst)# end
```

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)

```
Device(config)# monitor session 1 type erspan-source
Device(config-mon-erspan-src)# destination
Device(config-mon-erspan-src-dst)#no origin ip address 10.10.0.1
Device(config-mon-erspan-src-dst)#ip address 10.10.0.1
```

B)

```
Device(config)# monitor session 1 type erspan-source
Device(config-mon-erspan-src)# destination
Device(config-mon-erspan-src-dst)#no origin ip address 10.10.0.1
Device(config-mon-erspan-src-dst)#ip destination address 10.10.0.1
```

C)

```
Device(config)# monitor session 1 type erspan-destination
Device(config-mon-erspan-src)# source
Device(config-mon-erspan-src-dst)#origin ip address 10.1.0.1
```

D)

```
Device(config)# monitor session 1 type erspan-source
Device(config-mon-erspan-src)# destination
Device(config-mon-erspan-src-dst)#no vrf 1
```

A. Option A

B. Option B

C. Option C

D. Option D

**Answer: (SHOW ANSWER)**

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
```

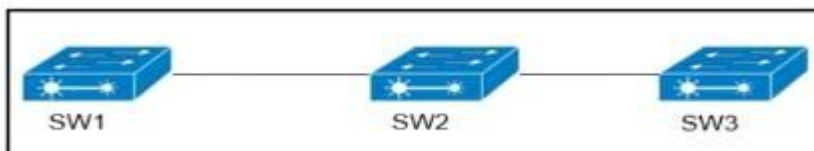
Example: Configuring an ERSPAN Destination Session

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: 74

Refer to exhibit.



VLANs 50 and 60 exist on the trunk links between all switches All access ports on SW3 are configured for VLAN 50 and SW1 is the VTP server Which command ensures that SW3 receives frames only from VLAN 50?

A. SW1 (config)#vtp pruning

B. SW3(config)#vtp mode transparent

C. SW2(config)#vtp pruning

D. SW1 (config)#vtp mode transparent

**Answer: (SHOW ANSWER)**

SW3 does not have VLAN 60 so it should not receive traffic for this VLAN (sent from SW2).

Therefore we should configure VTP Pruning on SW3 so that SW2 does not forward VLAN 60 traffic to SW3. Also notice that we need to configure pruning on SW1 (the VTP Server), not SW2.

#### **NEW QUESTION: 75**

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: D (LEAVE A REPLY)**

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: 76**

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

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

**Answer: C (LEAVE A REPLY)**

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#### **NEW QUESTION: 77**

Drag and drop the snippets onto the blanks within the code to construct a script that adds a prefix list to a route map and sets the local preference. Not all options are used

```

{
 "@message-id": "101",
 "edit-config": {
 "target": {
 [redacted]
 },
 "config": {
 "native": {
 "ip": {
 "prefix-list": {
 "prefixes": {
 [redacted]
 },
 "permit": {
 "prefix-only-list": {
 "prefix": "192.168.1.0/24"
 }
 }
 }
 }
 },
 "route-map": {
 "name": "Routes",
 "route-map-without-order-seq": {
 [redacted] "10",
 "set": {
 "local-preference": "200"
 },
 [redacted] {
 "ip": {
 "address": {
 "prefix-list": "100"
 }
 }
 }
 }
 }
 }
 }
}

```

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- "running": null
- "seq\_no":
- "config": null
- "permit":
- "match":
- "name": "100",

Answer:

```

{
 "@message-id": "101",
 "edit-config": {
 "target": {
 "name": "100",
 },
 "config": {
 "native": {
 "ip": {
 "prefix-list": {
 "prefixes": {
 "permit":
 },
 "prefix-only-list": {
 "prefix": "192.168.1.0/24"
 }
 }
 }
 },
 "route-map": {
 "name": "Routes",
 "route-map-without-order-seq": {
 "seq_no": "10",
 "set": {
 "local-preference": "200"
 },
 "match": {
 "ip": {
 "address": {
 "prefix-list": "100"
 }
 }
 }
 }
 }
 }
 }
}

```

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- "running": null
- "seq\_no":
- "config": null
- "permit":
- "match":
- "name": "100",

**NEW QUESTION: 78**

The login method is configured on the VTY lines of a router with these parameters

The first method for authentication is TACACS

If TACACS is unavailable login is allowed without any provided credentials

Which configuration accomplishes this task?

R1#sh run | include aaa  
aaa new-model  
aaa authentication login default group tacacs+  
aaa session-id common  
  
R1#sh run | section vty  
line vty 0 4  
transport input none  
R1#

R1#sh run | include aaa  
aaa new-model  
aaa authentication login default group tacacs+ none  
aaa session-id common  
  
R1#sh run | section vty  
line vty 0 4  
password 7 02050D480809  
  
R1#sh run | include username  
R1#

R1#sh run | include aaa  
aaa new-model  
aaa authentication login telnet group tacacs+ none  
aaa session-id common  
  
R1#sh run | section vty  
line vty 0 4  
  
R1#sh run | include username  
R1#

R1#sh run | include aaa  
aaa new-model  
aaa authentication login VTY group tacacs+ none  
aaa session-id common  
  
R1#sh run | section vty  
line vty 0 4  
password 7 02050D480809  
  
R1#sh run | include username  
R1#

A. Option C

B. Option D

C. Option B

D. Option A

**Answer: C (LEAVE A REPLY)**

**NEW QUESTION: 79**

Which technology uses network traffic telemetry, contextual information, and file reputation to provide insight into cyber threats?

- A. segmentation
- B. security intelligence
- C. security services
- D. threat defense

**Answer: B (LEAVE A REPLY)**

#### NEW QUESTION: 80

Refer to the exhibit.

```
Router# traceroute 10.10.10.1
Type escape sequence to abort
Tracing the route to 10.10.10.1
 0 10.0.0.1 5 msec 5 msec 5 msec
 1 10.5.0.1 15 msec 17 msec 17 msec
 2 10.10.10.1 *

```

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)**

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

! - success \* - time out N - network unreachable H - host unreachable P - protocol unreachable A - admin denied Q - source quench received (congestion) ? - unknown (any other ICMP message)

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

! - success \* - time out N - network unreachable H - host unreachable P - protocol unreachable A - admin denied Q - source quench received (congestion) ? - unknown (any other ICMP message)

#### NEW QUESTION: 81

Which type of tunnel is required between two WLCs to enable Intercontroller roaming?

- A. CAPWAP
- B. LWAPP
- C. mobility
- D. iPsec

**Answer: C (LEAVE A REPLY)**

#### NEW QUESTION: 82

Refer to the exhibit. Which result does the python code achieve?

- A. The code encrypts a base64 decrypted password.
- B. The code converts time to the yyymmdd representation.

- C. The code converts time to the Epoch LINUX time format.
- D. The code converts time to the "year/month/day" time format.

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

**NEW QUESTION: 83**

A company has an existing Cisco 5520 HA cluster using SSO. An engineer deploys a new single Cisco Catalyst 9800 WLC to test new features. The engineer successfully configures a mobility tunnel between the 5520 cluster and 9800 WLC. Client connected to the corporate WLAN roam seamlessly between access points on the 5520 and 9800 WLC. After a failure on the primary 5520 WLC, all WLAN services remain functional; however, Client roam between the 5520 and 9800 controllers without dropping their connection. Which feature must be configured to remedy the issue?

- A. new mobility on the 9800 WLC
- B. new mobility on the 5520 cluster
- C. mobility MAC on the 5520 cluster
- D. mobility MAC on the 9800 WLC

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

**NEW QUESTION: 84**

How does NETCONF YANG represent data structures?

- A. as strict data structures denned by RFC 6020
- B. in an XML tree format
- C. in an HTML format
- D. as modules within a tree

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

**NEW QUESTION: 85**

When firewall capabilities are considered, which feature is found only in Cisco next-generation firewalls?

- A. malware protection
- B. active/standby high availability
- C. traffic filtering
- D. stateful inspection

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

**NEW QUESTION: 86**

Refer to the exhibit.

```

Cat3650# show logging
[... out ...]
*Sep 11 19:06:25.595: %PM-4-ERR_DISABLE: channel-misconfig error detected on Po1, putting Gi1/0/2
in err-disable state
*Sep 11 19:06:25.606: %PM-4-ERR_DISABLE: channel-misconfig error detected on Po1, putting Gi1/0/3
in err-disable state
*Sep 11 19:06:25.622: %PM-4-ERR_DISABLE: channel-misconfig error detected on Po1, putting Po1 in
err-disable state

Cat3650# show etherchannel summary
[... out ...]
Group Port-channel Protocol Ports

1 Po1(SD) - Gi1/0/2(D) Gi1/0/3(D)

Cat3650# show interface status err-disabled
Port Name Status Reason Err-disabled Vlans

Gi1/0/2 err-disabled channel-misconfig
Gi1/0/3 err-disabled channel-misconfig
Po1 err-disabled channel-misconfig

```

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)**

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: 87**

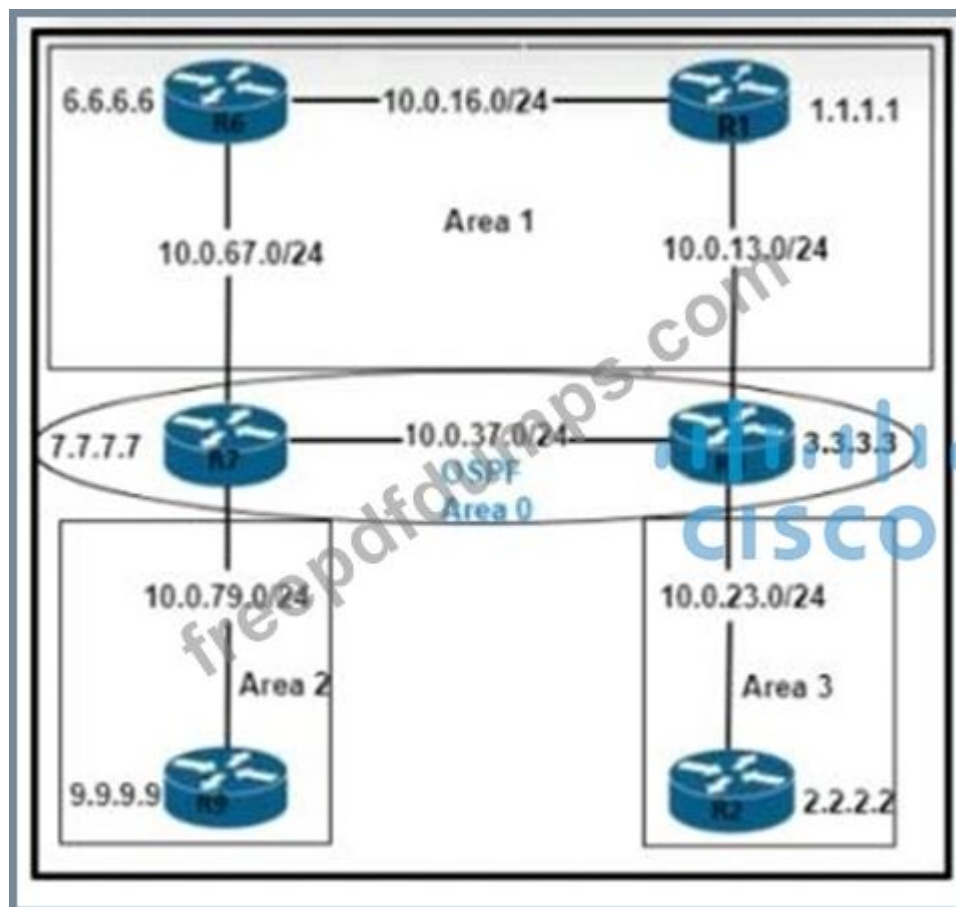
How does a fabric AP fit in the network?

- A. It is in local mode and must be connected directly to the fabric border node
- B. It is in FlexConnect mode and must be connected directly to the fabric edge switch.
- C. It is in FlexConnect mode and must be connected directly to the fabric border node
- D. It is in local mode and must be connected directly to the fabric edge switch.

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 88**

Refer to the exhibit.



An engineer must prevent the R6 loopback from getting into Area 2 and Area 3 from Area 0. Which action must the engineer take?

- A. Apply a filter list inbound on R2 and R9
- B. Apply a filter list outbound on R3 and R7
- C. Apply a filter list outbound on R7 only.
- D. Apply a filter list inbound on R3 and R7

**Answer: B (LEAVE A REPLY)**

This question asks to prevent route advertised into Area 2 and Area 3 only. It does not ask to prevent route advertised into Area 0 so applying a filter list outbound on R3 and R7 would best fit the requirement.

**NEW QUESTION: 89**

What does a YANG model provide?

- A. user access to interact directly with the CLI of the device to receive or modify network configurations
- B. standardized data structure that can be used only with NETCONF or RESTCONF transport protocols
- C. standardized data structure independent of the transport protocols
- D. creation of transport protocols and their interaction with the OS

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 90**

Which VXLAN component is used to encapsulate and decapsulate Ethernet frames?

- A. GRE
- B. EVPN
- C. VNI
- D. VTEP

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

#### NEW QUESTION: 91

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
```

```
ip nat inside source static tcp 10.1.1.100 8080 209.165.201.1 8080
```
- 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 no-alias
```

```
ip nat inside source static tcp 10.1.1.100 80 209.165.201.1 80 no-alias
```

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

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**NEW QUESTION: 92**

Which two parameters are examples of a QoS traffic descriptor? (Choose two)

- A. MPLS EXP bits
- B. DSCP
- C. ToS
- D. packet size
- E. bandwidth

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

**NEW QUESTION: 93**

Which two methods are used to reduce the AP coverage area? (Choose two)

- A. Reduce channel width from 40 MHz to 20 MHz
- B. Disable 2.4 GHz and use only 5 GHz.
- C. Increase minimum mandatory data rate
- D. Reduce AP transmit power.
- E. Enable Fastlane

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

**NEW QUESTION: 94**

Based on the router's API output In JSON format below, which Python code will display the value of the 'role' key?

```
{
 "response": [{
 "family": "Routers",
 "macAddress": "00:c8:8b:80:bb:00",
 "hostname": "BorderA",
 "role": "BORDER ROUTER",
 "lastUpdateTime": 1577420167054,
 "serialNumber": "FXS8799Q1SE",
 "softwareVersion": "16.3.2",
 "upTime": "5 days, 9:22:32:17",
 "lastUpdated": "2021-03-05 23:30:37"
]
}
```

- json\_data = json.loads(response.text)  
print(json\_data['response']['family']['role'])
- json\_data = response.json()  
print(json\_data['response']['family']['role'])
- json\_data = json.loads(response.text)  
print(json\_data[response][0][role])
- json\_data = response.json()  
print(json\_data['response'][0]['role'])

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

**Answer: C (LEAVE A REPLY)**

#### NEW QUESTION: 95

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

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

**Answer: C (LEAVE A REPLY)**

#### NEW QUESTION: 96

Refer to the exhibit.

```

Jun 28 19:14:50: %IPNAT-4-ADDR_ALLOC_FAILURE: Address allocation failed for 10.0.3.1
pool NAT might be exhausted
Jun 28 19:14:50: %NAT: translation failed (A): dropping packet s=10.0.3.1 d=203.0.113.8

CPE# show ip nat translation
Pre Inside global Inside local Outside local Outside global
ip 190.51.100.5/6:1002:10.0.1.1:61002 203.0.113.8:23 203.0.113.8:23
-- 190.51.100.5 10.0.1.1 --
ip 190.51.100.6:15350:10.0.2.1:15350 203.0.113.8:23 203.0.113.8:23
-- 190.51.100.6 10.0.2.1 --

CPE# show ip nat statistics
Total active translations: 4 (0 static, 4 dynamic; 2 extended)
Outside interfaces:
 Ethernet0/0
Inside interfaces:
 Ethernet0/1
Hits: 234 Misses: 0
CEF Translated packets: 234, CEF Punted packets: 7
Expired translations: 2
Dynamic mappings:
 * inside source
 [id: 1] access-list NAT pool NAT refcount 4
 pool NAT: id 1, netmask 255.255.0
 start 190.51.100.5 end 190.51.100.6
 type generic, total addresses 2, allocated 2 (100%), misses 7
nat first statistics:
 max entry: max allowed 0, used 0, missed 0
Outside global interfaces count: 1

```

An administrator troubleshoots intermittent connectivity from internal hosts to an external public server. Some internal hosts can connect to the server while others receive an ICMP Host Unreachable message and these hosts change over time.

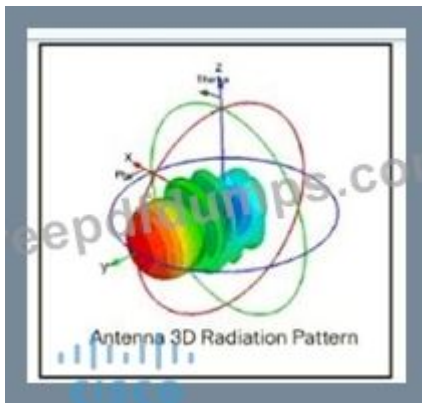
What is the cause of this issue?

- A. The NAT ACL does not match all internal hosts
- B. The NAT ACL and NAT pool share the same name
- C. The translator does not use address overloading
- D. The NAT pool netmask is excessively wide

**Answer: A (LEAVE A REPLY)**

#### NEW QUESTION: 97

Refer to the exhibit.



Which type of antenna does the radiation pattern represent?

- A. omnidirectional
- B. directional patch
- C. multidirectional
- D. Yagi

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

#### NEW QUESTION: 98

Refer to the exhibit.

```
Router#sh run | b vty
line vty 0 4
 session-timeout 30
 exec-timeout 120 0
 session-limit 30
 login local
line vty 5 15
 session-timeout 30
 exec-timeout 30
 session-limit 30
 login local
```

Security policy requires all idle-exec sessions to be terminated in 600 seconds. Which configuration achieves this goal?

- A. line vty 0 4  
exec-timeout 600
- B. line vty 01 5  
exec-timeout 10 0
- C. line vty 0 15  
absolute-timeout 600

D. line vty 0 15

exec-timeout

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 99**

Which benefit is offered by a cloud infrastructure deployment but is lacking in an on-premises deployment?

A. supported systems

B. storage capacity

C. virtualization

D. efficient scalability

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 100**

How do stratum levels relate to the distance from a time source?

A. Stratum 0 devices are connected directly to an authoritative time source.

B. Stratum 15 devices are connected directly to an authoritative time source

C. Stratum 1 devices are connected directly to an authoritative time source.

D. Stratum 15 devices are an authoritative time source.

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 101**

Refer to the exhibit. Rapid PVST+ is enabled on all switches. Which command set must be configured on switch1 to achieve the following results on port fa0/1?

- When a device is connected, the port transitions immediately to a forwarding state.
- The interface should not send or receive BPDUs.
- If a BPDU is received, it continues operating normally.

A)

```
Switch1(config)# interface f0/1
Switch1(config-if)# spanning-tree portfast
```

B)

```
Switch1(config)# spanning-tree portfast bpduguard default
Switch1(config)# interface f0/1
Switch1(config-if)# spanning-tree portfast
```

C)

```
Switch1(config)# spanning-tree portfast bpduguard default
Switch1(config)# interface f0/1
Switch1(config-if)# spanning-tree portfast
```

D)

```
Switch1(config)# interface f0/1
Switch1(config-if)# spanning-tree portfast
Switch1(config-if)# spanning-tree bpduguard enable
```

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

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

### NEW QUESTION: 102

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

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

### NEW QUESTION: 103

What is a characteristic of a Type I hypervisor?

- A. Problems in the base operating system can affect the entire system.
- B. It is completely independent of the operating system.
- C. It is referred to as a hosted hypervisor.
- D. It is installed on an operating system and supports other operating systems above it.

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

**NEW QUESTION: 104**

Refer to the exhibit.

```
interface GigabitEthernet1
ip address 10.10.10.1 255.255.255.0
|
access-list 10 permit 10.10.10.1
|
monitor session 10 type erspan-source
source interface Gi1
destination
erspan-id 10
ip address 192.168.1.1
|
```

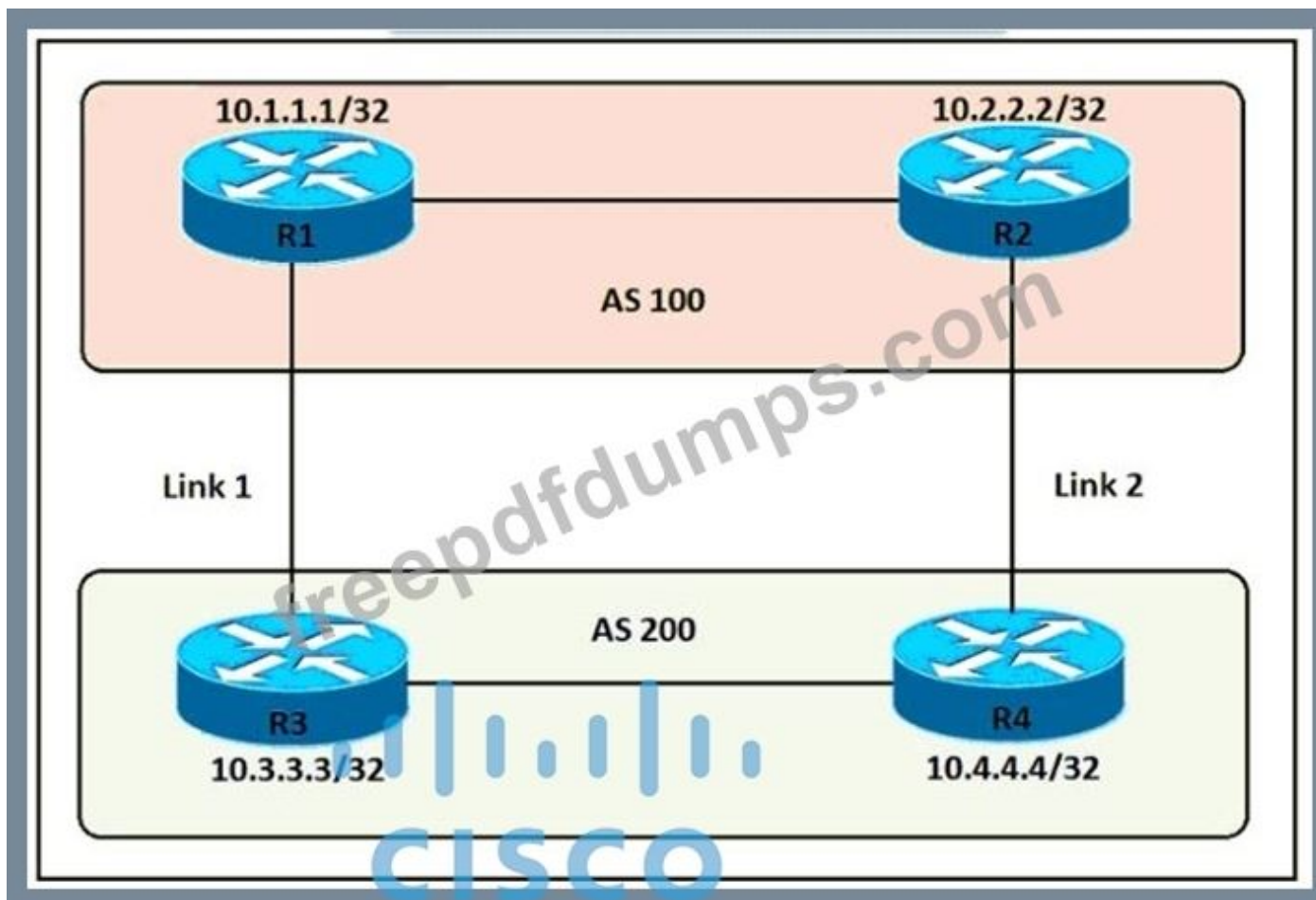
Refer to the exhibit. Which command filters the ERSPAN session packets only to interface GigabitEthernet1?

- A. filter access-group 10
- B. source interface gigabitethernet1 ip 10.10.10.1
- C. source ip 10.10.10.1
- D. destination ip 10.10.10.1

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 105**

Refer to the exhibit.



An engineer must ensure that all traffic leaving AS 200 will choose Link 2 as an entry point. Assuming that all BGP neighbor relationships have been formed and that the attributes have not been changed on any of the routers, which configuration accomplish task?

```

R3(config)#route-map PREPEND permit 10
R3(config-route-map)#set as-path prepend 200 200 200

R3(config)#router bgp 200
R3(config-router)#neighbor 10.1.1.1 route-map PREPEND out

R4(config)#route-map PREPEND permit 10
R4(config-route-map)#set as-path prepend 100 100 100

R4(config)#router bgp 200
R4(config-router)#neighbor 10.2.2.2 route-map PREPEND in

R3(config)#route-map PREPEND permit 10
R3(config-route-map)#set as-path prepend 100 100 100

R3(config)#router bgp 200
R3(config-router)#neighbor 10.1.1.1 route-map PREPEND in

R4(config)#route-map PREPEND permit 10
R4(config-route-map)#set as-path prepend 200 200 200

R4(config)#router bgp 200
R4(config-router)#neighbor 10.2.2.2 route-map PREPEND out

```

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

**Answer: A (LEAVE A REPLY)**

R3 advertises BGP updates to R1 with multiple AS 100 so R3 believes the path to reach AS 200 via R3 is farther than R2 so R3 will choose R2 to forward traffic to AS 200.

**NEW QUESTION: 106**

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

|                                                                                    |       |
|------------------------------------------------------------------------------------|-------|
| sends hello packets every 5 seconds on high-bandwidth links                        | EIGRP |
| uses virtual links to link an area that does not have a connection to the backbone |       |
| cost is based on interface bandwidth                                               | OSPF  |
|                                                                                    |       |

**Answer:**



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**NEW QUESTION: 107**

An engineer must configure HSRP group 300 on a Cisco IOS router. When the router is functional, it must be the must be the active HSRP router. The peer router has been configured using the default priority value. Which command set is required?

- A)
 

```
standby 300 priority 110
standby 300 timers 1 110
```
- B)
 

```
standby version 2
standby 300 priority 110
standby 300 preempt
```
- C)
 

```
standby 300 priority 90
standby 300 preempt
```
- D)
 

```
standby version 2
standby 300 priority 90
standby 300 preempt
```

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

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 108**

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

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

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

**NEW QUESTION: 109**

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

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: 110**

How do EIGRP metrics compare to OSPF metrics?

- A. EIGRP metrics are based on a combination of bandwidth and packet loss, and OSPF metrics are based on interface bandwidth.
- 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. The EIGRP administrative distance for external routes is 170. and the OSPF administrative distance for external routes is 110

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

**NEW QUESTION: 111**

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 area 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 configuration must engineer apply to resolve the problem?

```
router ospf 1
default-information originate always
end

router ospf 1
redistribute bgp 65001 metric 100 route-policy BGP-TO-OSPF
end

router ospf 1
default-metric 100
end

router ospf 1
default-information originate
end
```

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

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

**NEW QUESTION: 112**

An engineer must enable a login authentication method that allows a user to log in by using local authentication if all other defined authentication methods fail Which configuration should be applied?

- A. authentication login CONSOLE group radius local enable none
- B. aaa authentication login CONSOLE group tacacs+ local enable
- C. aaa authentication login CONSOLE group radius local-case enable aaa
- D. aaa authentication login CONSOLE group radius local enable

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

**NEW QUESTION: 113**

In an SD-Access solution what is the role of a fabric edge node?

- A. to connect external Layer 3- network to the SD-Access fabric
- B. to connect wired endpoint to the SD-Access fabric
- C. to advertise fabric IP address space to external network
- D. to connect the fusion router to the SD-Access fabric

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

+ Fabric edge node: This fabric device (for example, access or distribution layer device) connects

**NEW QUESTION: 114**

An engineer measures the Wi-Fi coverage at a customer site. The RSSI values are recorded as follows:

```
• Location A: -72 dBm
• Location B: -75 dBm
• Location C: -65 dBm
• Location D: -80 dBm
```

Which two statements does the engineer use to explain these values to the customer? (Choose two)

- A. The RF signal strength at location C is 10 times stronger than location B
- B. The RF signal strength at location B is 50% weaker than location A
- C. The signal strength at location C is too weak to support web surfing
- D. Location D has the strongest RF signal strength
- E. The signal strength at location B is 10 dB better than location C

Answer: ([SHOW ANSWER](#))

### NEW QUESTION: 115

Refer to the exhibit.

```
Paths: (1 available, best #1, table default)
Not advertised to any peer
Refresh Epoch 1
65002
 192.168.50.2 from 192.168.50.2 (172.20.0.2)
 Origin IGP, metric 0, localpref 100, valid, external, best
 rx pathid: 0, tx pathid: 0x0

<CONFIGURATION CHANGE MADE>

R1#show ip bgp 2.2.2.2
BGP routing table entry for 2.2.2.2/32, version 4
Paths: (1 available, best #1, table default, RIB-failure(17))
Not advertised to any peer
Refresh Epoch 1
65002
 192.168.50.2 from 192.168.50.2 (172.20.0.2)
 Origin IGP, metric 0, localpref 100, valid, external, best
 rx pathid: 0, tx pathid: 0x0
```

R1 has a BGP neighborship with a directly connected router on interface Gi0/0.

Which command set is applied between the iterations of show ip bgp 2.2.2.2?

- A. R1(config)#router bgp 65002  
R1(config-router)#neighbor 192.168.50.2 shutdown
- B. R1(config)#router bgp 65001  
R1(config-router)#neighbor 192.168.50.2 shutdown
- C. R1(config)#ip route 2.2.2.2 255.255.255.255 192.168.50.2
- D. R1(config)#no ip route 192.168.50.2 255.255.255.255 Gi0/0

Answer: ([SHOW ANSWER](#))

### NEW QUESTION: 116

Refer to the exhibit.

```
aaa new-model
aaa authentication login default local-case enable
aaa authentication login ADMIN local-case
username CCNP secret StrongP@ssw0rd!
line 0 4
 login authentication ADMIN,
```

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: C (LEAVE A REPLY)**

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.

**NEW QUESTION: 117**

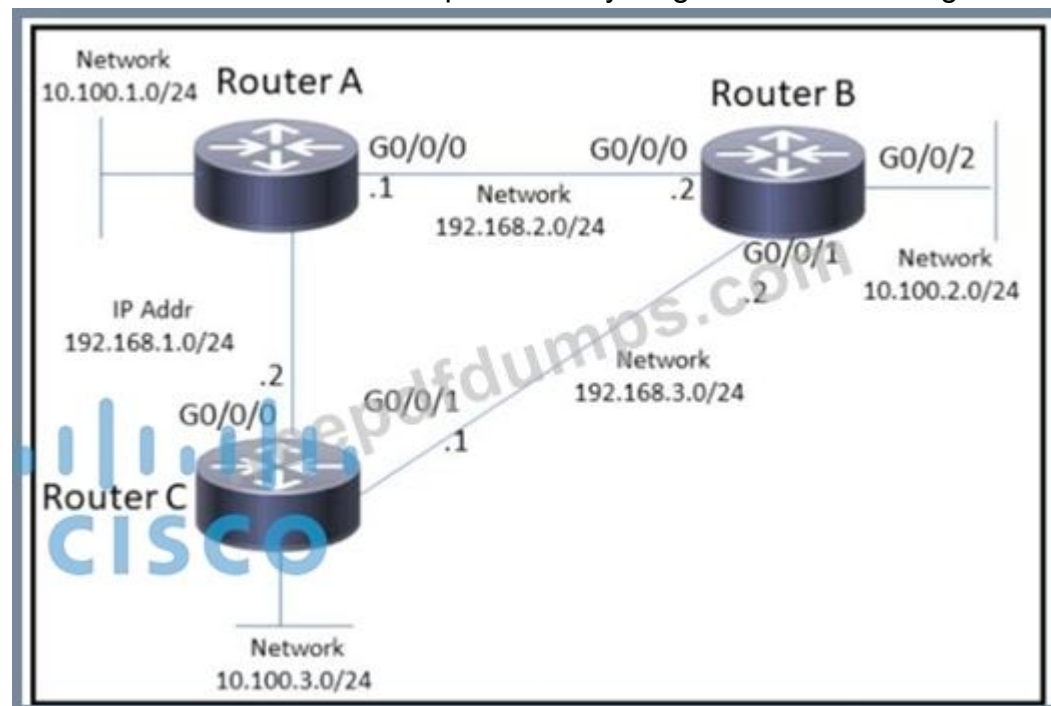
If a client's radio device receives a signal strength of -67 dBm and the noise floor is -85 dBm, what is the SNR value?

- A. 16 dB
- B. 20 dB
- C. 15 dB
- D. 18 dB

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 118**

Refer to the exhibit. A network engineer must block Telnet traffic from hosts in the range of 10.100.2.248 to 10.100.2.255 to the network 10.100.3.0 and permit everything else. Which configuration must the engineer apply'?



A)

```
RouterB(config)# access-list 101 deny tcp 10.100.2.0 0.0.0.248 10.100.3.0 0.0.0.255 eq 22
RouterB(config)# access-list 101 permit any any
RouterB(config)# int g0/0/2
RouterB(config-if)# ip access-group 101 in
```

B)

```
RouterB(config)# access-list 101 deny icmp 10.100.2.0 0.0.0.248 10.100.2.0 0.0.0.248
RouterB(config)# access-list 101 permit any any
RouterB(config)# int g0/0/2
RouterB(config-if)# ip access-group 101 in

RouterB(config)# access-list 101 deny tcp 10.100.2.0 0.0.0.248 10.100.3.0 0.0.0.255 eq 23
RouterB(config)# access-list 101 permit any any
RouterB(config)# int g0/0/2
RouterB(config-if)# ip access-group 101 in

RouterB(config)# access-list 101 permit tcp 10.100.2.0 0.0.0.252 10.100.3.0 0.0.0.255
RouterB(config)# int g0/0/2
RouterB(config-if)# ip access-group 101 in
```

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

Answer: (SHOW ANSWER)

#### NEW QUESTION: 119

Refer to the exhibit.

The screenshot shows the configuration page for a WLAN named 'Guest\_Wireless'. The 'AAA Servers' tab is selected. Under 'Radius Servers', the 'Radius Server Overwrite interface' checkbox is checked and labeled 'Enabled'. The 'Interface Priority' dropdown menu is set to 'WLAN'. Below this, there are two columns: 'Authentication Servers' and 'Accounting Servers'. Both columns have a checked 'Enabled' checkbox. Each column contains six rows, labeled 'Server 1' through 'Server 6', each with a dropdown menu currently set to 'None'.

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

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

#### **NEW QUESTION: 120**

How is Layer 3 roaming accomplished in a unified wireless deployment?

- A. The new controller assigns an IP address from the new subnet to the client
- B. The client entry on the original controller is passed to the database on the new controller.
- C. The client database on the original controller is updated the anchor entry, and the new controller database is updated with the foreign entry.
- D. An EoIP tunnel is created between the client and the anchor controller to provide seamless connectivity as the client is associated with the new AP.

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

#### **NEW QUESTION: 121**

An administrator must enable Telnet access to Router X using the router username and password database for authentication. Which configuration should be applied?

A)

```
RouterX(config)# line aux 0
RouterX(config-line)# password cisco
RouterX(config-line)# login
```

B)

```
RouterX(config)# aaa new-model
RouterX(config)# aaa authentication login auth-list local
```

C)

```
RouterX(config)# line vty 0 4
RouterX(config-line)# login local
RouterX(config-line)# end
```

D)

```
RouterX(config)# line vty 0 4
RouterX(config-line)# login
RouterX(config-line)# end
```

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

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

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**NEW QUESTION: 122**

How does EIGRP differ from OSPF?

- A. EIGRP uses more CPU and memory than OSPF
- B. EIGRP supports equal or unequal path cost, and OSPF supports only equal path cost.
- C. EIGRP is more prone to routing loops than OSPF
- D. EIGRP has a full map of the topology, and OSPF only knows directly connected neighbors

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

**NEW QUESTION: 123**

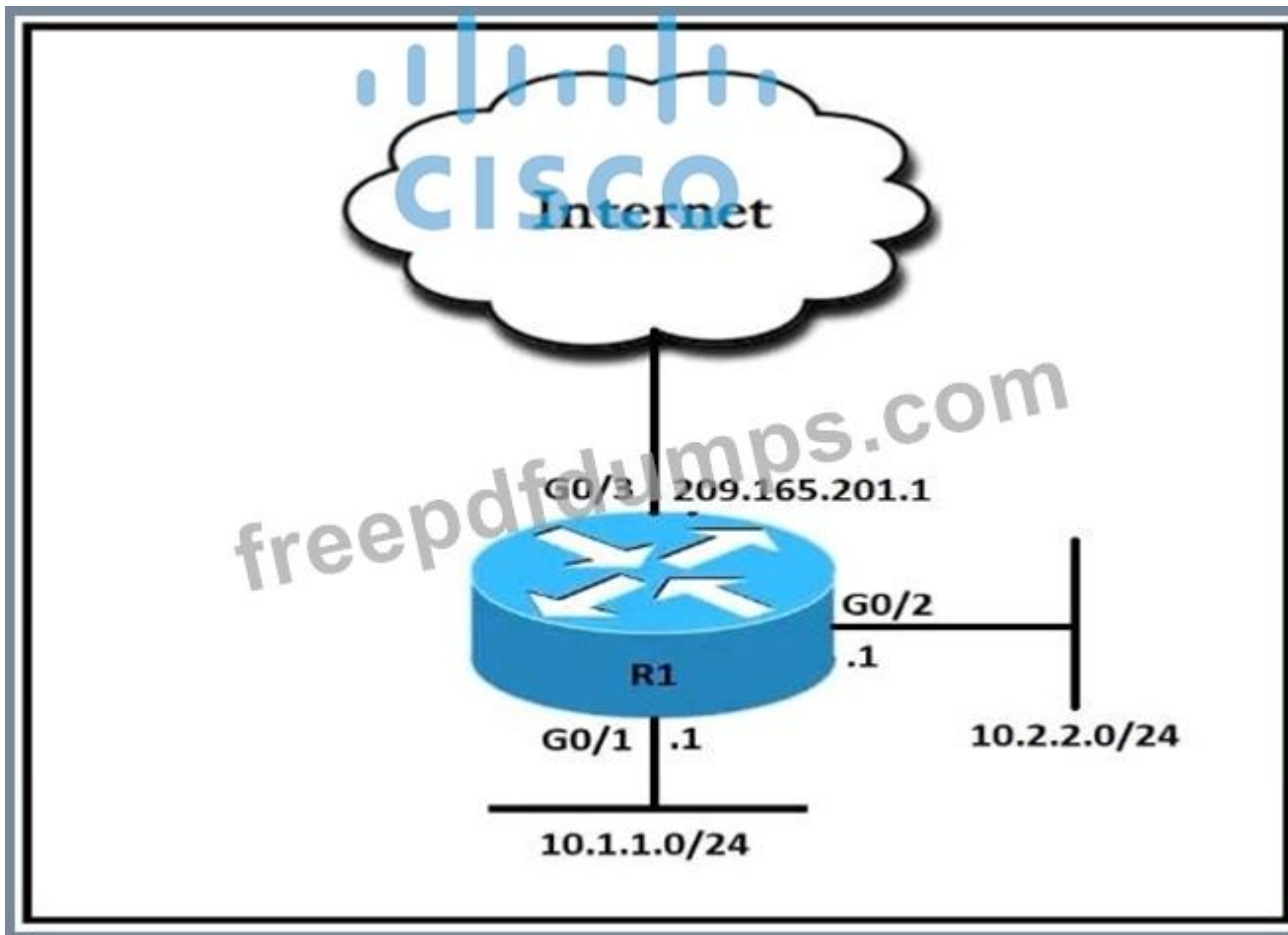
A network administrator is implementing a routing configuration change and enables routing debugs to track routing behavior during the change. The logging output on the terminal is interrupting the command typing process. Which two actions can the network administrator take to minimize the possibility 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. increase the number of lines on the screen using the terminal length command
- E. Configure the logging synchronous command under the vty

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

**NEW QUESTION: 124**

Refer to the exhibit.



An engineer must allow all users in the 10.2.2.0/24 subnet to access the Internet. To conserve address space the public Interface address of 209 165 201.1 must be used for all external communication. Which command set accomplishes these requirements?

A)

```
access-list 10 permit 10.2.2.0 0.0.0.255
interface G0/3
ip nat outside
interface G0/2
ip nat inside
ip nat inside source list 10 209.165.201.1
```

B)

```
access-list 10 permit 10.2.2.0 0.0.0.255
interface G0/3
ip nat outside
interface G0/2
ip nat inside
```

C)

```
access-list 10 permit 10.2.2.0 0.0.0.255
interface G0/3
ip nat outside
interface G0/2
ip nat inside
ip nat inside source list 10 interface G0/3
```

D)

```
access-list 10 permit 10.2.2.0 0.0.0.255
```

```
interface G0/3
ip nat outside
```

```
interface G0/2
ip nat inside
```

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

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

#### **NEW QUESTION: 125**

What is an OVF?

- A. the third step in a P2V migration
- B. a package that is similar to an IMG and that contains an OVA file used to build a virtual machine
- C. a package of files that is used to describe a virtual machine or virtual appliance
- D. an alternative form of an ISO that is used to install the base operating system of a virtual machine

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

#### **NEW QUESTION: 126**

Which component handles the orchestration plane of the Cisco SD-WAN?

- A. vManage
- B. cSmart
- C. WAN Edge
- D. vBond

**Answer: (SHOW ANSWER)**

#### **NEW QUESTION: 127**

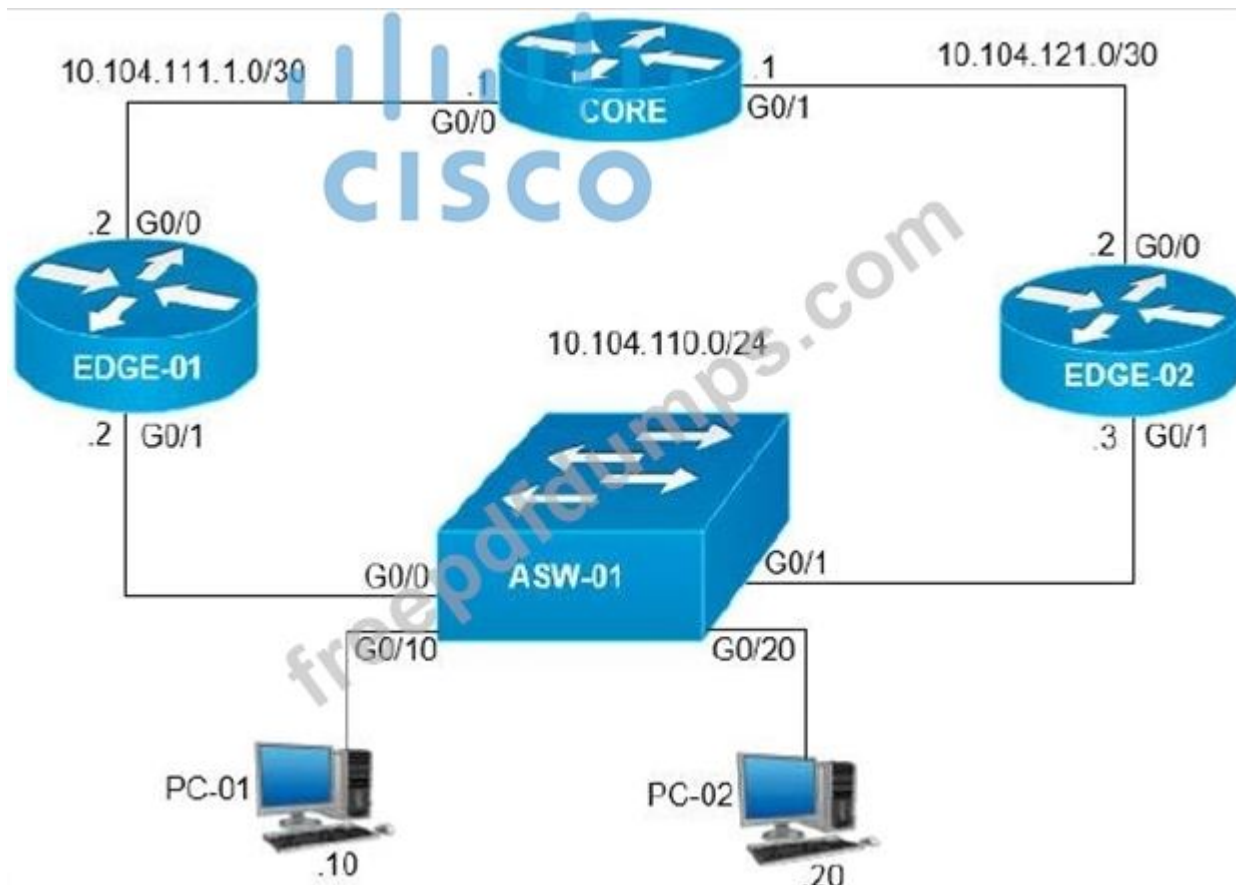
How is MSDP used to interconnect multiple PIM-SM domains?

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

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

#### **NEW QUESTION: 128**

Refer to the exhibit.



On which interfaces should VRRP commands be applied to provide first hop redundancy to PC-01 and PC-02?

- A. G0/0 on Edge-01 and G0/0 on Edge-02
- B. G0/1 on Edge-01 and G0/1 on Edge-02
- C. G0/0 and G0/1 on Core
- D. G0/0 and G0/1 on ASW-01

**Answer: B (LEAVE A REPLY)**

#### NEW QUESTION: 129

How is a data modeling language used?

- A. To represent finite and well-defined network elements that cannot be changed
- B. To provide human readability to scripting languages
- C. To model the flows of unstructured data within the infrastructure
- D. To enable data to be easily structured, grouped, validated, and replicated

**Answer: D (LEAVE A REPLY)**

#### NEW QUESTION: 130

Refer to the exhibit.

```

DSW1#sh spanning-tree vlan 20

VLAN0020
Spanning tree enabled protocol ieee
Root ID Priority 24596
Address 0018.7363.4300
Cost 2
Port 13 (FastEthernet1/0/11)
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec

Bridge ID Priority 28692 (priority 28672 sys-id-ext 20)
Address 001b.0d8e.0080
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Aging Time 300

Interface Role Sts Cost Prio.Nbr Type

Fa1/0/7 Desg FWD 2 128.9 P2p
Fa1/0/10 Desg FWD 2 128.12 P2p
Fa1/0/11 Root FWD 2 128.13 P2p
Fa1/0/12 Altn BLK 2 128.14 P2p

```

What does the output confirm about the switch's spanning tree configuration?

- A. The spanning-tree mode stp ieee command was entered on this switch
- B. The spanning-tree operation mode for this switch is IEEE.
- C. The spanning-tree operation mode for this switch is PVST+.
- D. The spanning-tree operation mode for this switch is PVST

**Answer:** (SHOW ANSWER)

#### NEW QUESTION: 131

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.)

```

(Cisco Controller) > config wlan aaa-override disable <wlan-id>
(Cisco Controller) > config radius acct add 10.10.10.12 1612 SECRET
(Cisco Controller) > config wlan aaa-override enable <wlan-id>
Device(config-locsvr-da-radius) # client 10.10.10.12 server-key 0 SECRET
Device(config) # aaa server radius dynamic-author

```

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

**Answer:** B,D (LEAVE A REPLY)

#### NEW QUESTION: 132

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: C (LEAVE A REPLY)**

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: 133**

In Cisco DNA Center, what is the integration API?

- A. an interface between the controller and the network devices, which enables network discovery and configuration management
- B. southbound consumer-facing RESTful API. which enables network discovery and configuration management
- C. northbound consumer-facing RESTful API, which enables network discovery and configuration management
- D. westbound interface, which allows the exchange of data to be used by ITSM. IPAM and reporting

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 134**

Drag and drop the REST API authentication methods from the left onto their descriptions on the right.

|                           |                                            |
|---------------------------|--------------------------------------------|
| HTTP basic authentication | public API resource                        |
| OAuth                     | username and password in an encoded string |
| secure vault              | authorization through identity provider    |

**Answer:**

|                           |                           |
|---------------------------|---------------------------|
| HTTP basic authentication | secure vault              |
| OAuth                     | HTTP basic authentication |
| secure vault              | OAuth                     |

**NEW QUESTION: 135**

Which definition describes JWT in regard to REST API security?

- A. an encrypted JSON token that is used for authentication
- B. an encrypted JSON token that is used for authorization
- C. an encoded JSON token that is used to securely exchange information

D. an encoded JSON token that is used for authentication

**Answer: C (LEAVE A REPLY)**

JWT: JSON Web Tokens are an open and standard (RFC 7519) way for you to represent your user's identity securely during a two-party interaction. That is to say, when two systems exchange data you can use a JSON Web Token to identify your user without having to send private credentials on every request.

**NEW QUESTION: 136**

How can an engineer prevent basic replay attacks from people who try to brute force a system via REST API?

- A. UseHTTPS
- B. Add OAuth to the request in the API header.
- C. Use a password hash
- D. Add a timestamp to the request In the API header.

**Answer: D (LEAVE A REPLY)**

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**NEW QUESTION: 137**

Drag and drop the characteristics from the left onto the orchestration tools they describe on the right.

utilizes a pull model

utilizes a push model

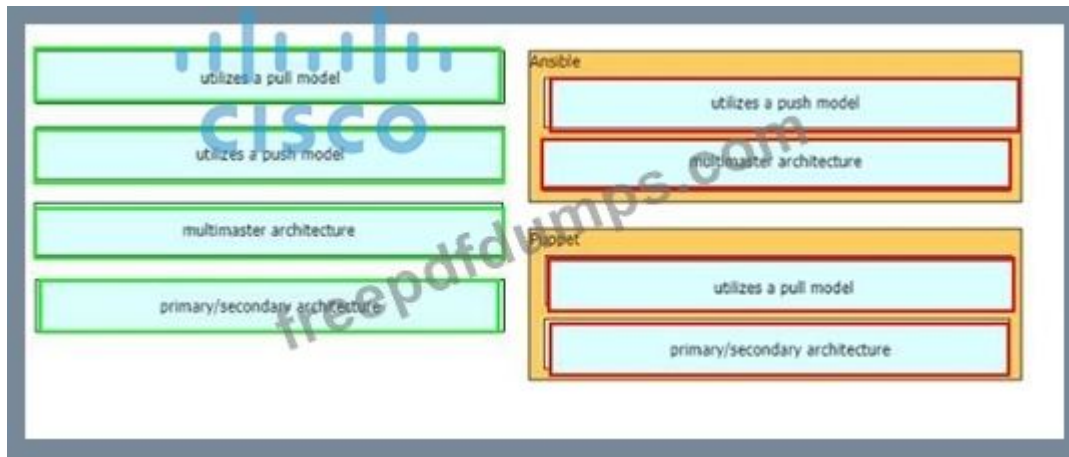
multimaster architecture

primary/secondary architecture

Ansible

Puppet

**Answer:**



**NEW QUESTION: 138**

Drag and drop the Cisco SD-Access solution areas from the left onto the protocols they use on the right.



**Answer:**



**NEW QUESTION: 139**

What is a characteristic of a virtual machine?

- A. It must run the same operating system as its host
- B. It is deployable without a hypervisor to host it
- C. It relies on hypervisors to allocate computing resources for it
- D. It must be aware of other virtual machines, in order to allocate physical resources for them

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 140**

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

### 3. Missing Data Model RPC Error Reply Message

If a request is made for a data model that doesn't exist on the Catalyst 3 response. This is expected behavior.

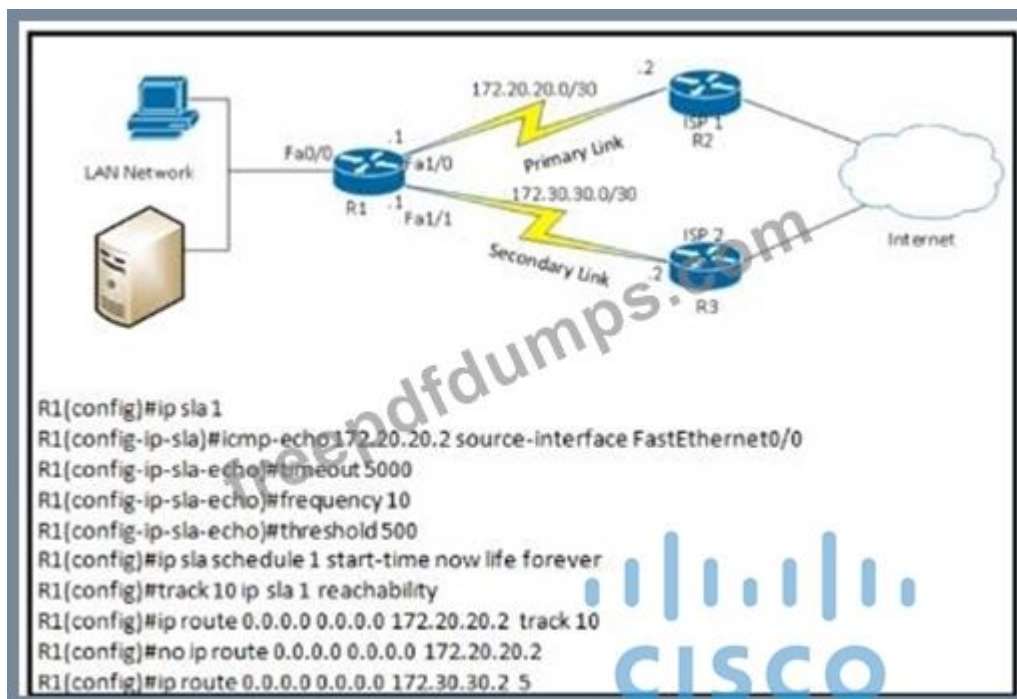


Tip: Use the NETCONF capabilities functionality to determine which

```
<?xml version="1.0" encoding="utf-8"?>
<data xmlns="urn:ietf:params:xml:ns:netconf:base:1.0"/>
```

### NEW QUESTION: 141

Refer to the exhibit.



What are two reasons for IP SLA tracking failure? (Choose two )

- A. A route back to the R1 LAN network is missing in R2.
- B. The source-interface is configured incorrectly.
- C. The default route has the wrong next hop IP address
- D. The destination must be 172 30 30 2 for icmp-echo
- E. The threshold value is wrong

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 142**

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: C (LEAVE A REPLY)**

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

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 144**

In a Cisco Catalyst switch equipped with two supervisor modules an administrator must temporarily remove the active supervisor from the chassis to perform hardware maintenance on it. Which mechanism ensure that the active supervisor removal is not disruptive to the network operation?

- A. VRRP
- B. HSRP
- C. NSF/NSR
- D. SSO

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 145**

By default, which virtual MAC address Goes HSRP group 25 use?

- A. 04:16:6S:96:1C:19
- B. 05:5c:5e:ac:0c:25
- C. 00:00:0c:07:ac:25
- D. 00:00:0c:07:ac:19

**Answer: C (LEAVE A REPLY)**

**NEW QUESTION: 146**

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: C (LEAVE A REPLY)**

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: 147**

Which threat defence mechanism, when deployed at the network perimeter, protects against zero-day attacks?

- A. intrusion prevention
- B. stateful inspection
- C. sandbox
- D. SSL decryption

**Answer: (SHOW ANSWER)**

Reference: <https://www.cisco.com/c/en/us/products/collateral/security/amp-appliances/datasheet-c78-733182.html> "File analysis and sandboxing: Secure Malware Analytics' highly secure environment helps you execute, analyze, and test malware behavior to discover previously unknown ZERO-DAY threats. The integration of Secure Malware Analytics' sandboxing technology into Malware Defense results in more dynamic analysis checked against a larger set of behavioral indicators. "

**NEW QUESTION: 148**

Refer to the exhibit.

```

R1#show ip bgp summary
BGP router identifier 1.1.1.1, local AS number 65001
BGP table version is 1, main routing table version 1

Neighbor V AS MsgRcvd MsgSent TblVer InQ OutQ Up/Down State/PfxRcd
192.168.12.2 4 65002 0 0 1 0 0 00:00:15 Idle

R1#show ip interface brief | include 192.168.12
FastEthernet0/0 192.168.12.1 YES NVRAM up up

R2#show ip bgp summary
BGP router identifier 2.2.2.2, local AS number 65002
BGP table version is 1, main routing table version 1

Neighbor V AS MsgRcvd MsgSent TblVer InQ OutQ Up/Down State/PfxRcd
192.168.12.1 4 65001 0 0 1 0 0 00:01:00 Idle (Admin)

R2#show ip interface brief | include 192.168.12
Ethernet0/0 192.168.12.2 YES NVRAM up up

R2#ping 192.168.12.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.12.1, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms

```

Refer to the exhibit. R1 and R2 are directly connected, but the BGP session does not establish. Which action must be taken to build an eBGP session?

- A. Configure ip route 1.1.1.1 0.0.0.0 192.168.12.1 on R2.
- B. Configure neighbor 2.2.2.2 remote-as 65002 under R1 BGP process.
- C. Configure no neighbor 192.168.12.1 shutdown under R2 BGP process.
- D. Configure neighbor 192.168.12.1 activate under R2 BGP process.

**Answer: C (LEAVE A REPLY)**

#### NEW QUESTION: 149

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: A (LEAVE A REPLY)**

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: 150**

Drag and drop the LISP components on the left to their descriptions on the right. Not all options are used.

map server	IPv4 or IPv6 address of an egress tunnel router that is Internet facing or network core facing
map resolver	receives map-request messages from ITR and searches for the appropriate ETR by consulting mapping database
RLOC	encapsulates LISP packets coming from inside of the LISP site to destinations outside of the site
ITR	

**Answer:**

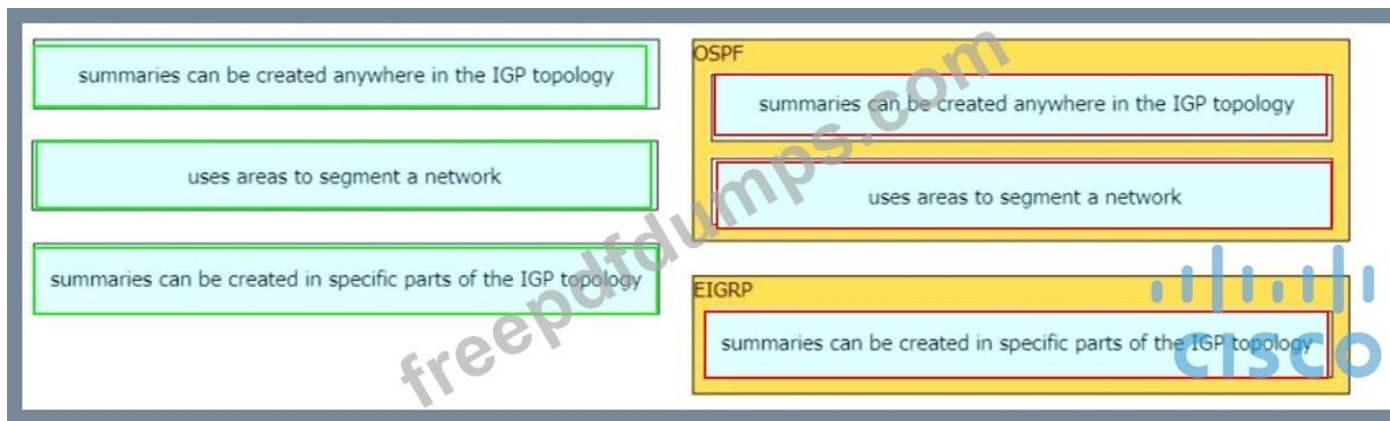
map server	RLOC
map resolver	map server
RLOC	map resolver
ITR	

**NEW QUESTION: 151**

Drag and drop the descriptions from the left onto the routing protocol they describe on the right.

summaries can be created anywhere in the IGP topology	OSPF
uses areas to segment a network	
summaries can be created in specific parts of the IGP topology	EIGRP

**Answer:**



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**NEW QUESTION: 152**

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: C (LEAVE A REPLY)**

**NEW QUESTION: 153**

Refer to the exhibit.

```
Tunnel100 is up, line protocol is up
Hardware is Tunnel
Internet address is 192.168.200.1/24
MTU 17912 bytes, BW 100 Kbit/sec, DLY 50000 usec,
 reliability 255/255, txload 1/255, rxload 1/255
Encapsulation TUNNEL, loopback not set
Keepalive set (10 sec), retries 3
Tunnel source 209.165.202.129 (GigabitEthernet0/1)
Tunnel Subblocks:
 src-track:
 Tunnel100 source tracking subblock associated with GigabitEthernet0/1
 Set of tunnels with source GigabitEthernet0/1, 1 members (includes iterators), on interface <OK>
Tunnel protocol/transport GRE/IP
 Key disabled, sequencing disabled
 Checksumming of packets disabled
Tunnel TTL 255, Fast tunneling enabled
Tunnel transport MTU 1476 bytes
```

A network engineer configures a GRE tunnel and enters the show Interface tunnel command. What does the output confirm about the configuration?

- A. Interface tracking is configured.
- B. The keepalive value is modified from the default value.
- C. The tunnel mode is set to the default.
- D. The physical interface MTU is 1476 bytes.

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

#### NEW QUESTION: 154

Which two network problems indicate a need to implement QoS in a campus network? (Choose two.)

- A. excess jitter
- B. port flapping
- C. duplicate IP addresses
- D. misrouted network packets
- E. bandwidth-related packet loss

**Answer: (SHOW ANSWER)**

#### NEW QUESTION: 155

Refer to the exhibit.

```

ip sla 10
icmp-echo 192.168.10.20
timeout 500
frequency 3
ip sla schedule 10 life forever start-time now
track 10 ip sla 10 reachability

```

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?

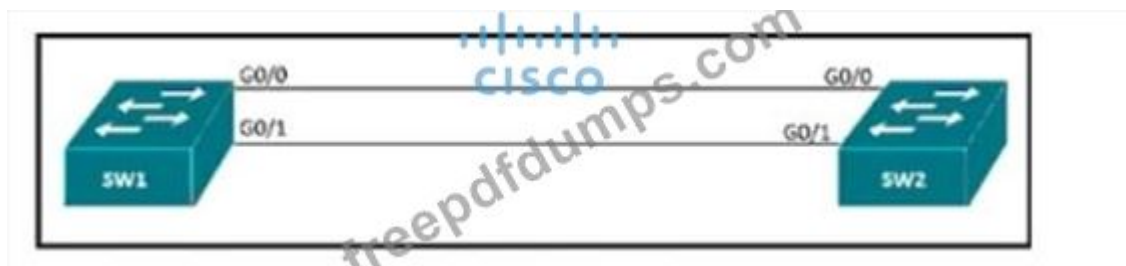
- A. event manager applet EEM\_IP\_SLA  
event track 10 state down
- B. event manager applet EEM\_IP\_SLA  
event track 10 state unreachable
- C. event manager applet EEM\_IP\_SLA  
event sla 10 state unreachable
- D. event manager applet EEM\_IP\_SLA  
event sla 10 state down

**Answer: A (LEAVE A REPLY)**

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: 156

Refer to the exhibit.



An engineer reconfigures the port-channel between SW1 and SW2 from an access port to a trunk and immediately notices this error in SW1's log.

Which command set resolves this error?

A)

```

SW1(config-if)#interface G0/0
SW1(config-if)#spanning-tree bpduguard enable
SW1(config-if)#shut
SW1(config-if)#no shut

```

B)

```
SW1(config-if)#interface G0/0
SW1(config-if)#no spanning-tree bpduguard enable
SW1(config-if)#shut
SW1(config-if)#no shut
```

C)

```
SW1(config-if)#interface G0/1
SW1(config-if)#spanning-tree bpduguard enable
SW1(config-if)#shut
SW1(config-if)#no shut
```

D)

```
SW1(config-if)#interface G0/0
SW1(config-if)#no spanning-tree bpdufilter
SW1(config-if)#shut
SW1(config-if)#no shut
```

A. Option B

B. Option D

C. Option A

D. Option C

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

#### **NEW QUESTION: 157**

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

#### **NEW QUESTION: 158**

What is one difference between EIGRP and OSPF?

A. OSPF is a Cisco proprietary protocol, and EIGRP is an IETF open standard protocol.

B. OSPF uses the DUAL distance vector algorithm, and EIGRP uses the Dijkstra link-state algorithm

C. EIGRP uses the variance command for unequal cost load balancing, and OSPF supports unequal cost balancing by default.

D. EIGRP uses the DUAL distance vector algorithm, and OSPF uses the Dijkstra link-state algorithm

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

EIGRP is based on DUAL (Diffusing Update Algorithm) while OSPF uses Dijkstra's Shortest Path Algorithm with the major difference in how they calculate the shortest routing path.

OSPF has capability to calculate the best shortest path to each reachable subnet/network using an algorithm called SFP (Shortest Path First) also known as Dijkstra algorithm. "Neighbor Table" that contain all discovered OSPF neighbour with whom routing information will be interchanged.

#### **NEW QUESTION: 159**

What is the recommended minimum SNR for Voice applications for networks?

- A. 15
- B. 20
- C. 25
- D. 10

**Answer: C (LEAVE A REPLY)**

[https://documentation.meraki.com/MR/WiFi\\_Basics\\_and\\_Best\\_Practices/Signal-to-Noise\\_Ratio\\_\(SNR\)\\_and\\_Wireless\\_Signal\\_Strength#:~:text=Generally%2C%20a%20signal%20with%20an,networks%20that%20use%20voice%20applications.](https://documentation.meraki.com/MR/WiFi_Basics_and_Best_Practices/Signal-to-Noise_Ratio_(SNR)_and_Wireless_Signal_Strength#:~:text=Generally%2C%20a%20signal%20with%20an,networks%20that%20use%20voice%20applications.)

#### NEW QUESTION: 160

Which JSON syntax is valid?

A)

```
[{"switch": {"name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}]
```

B)

```
{'switch': {'name': 'dist1', 'interfaces': ['gig1', 'gig2', 'gig3']}}
```

C)

```
{"switch": {"name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}}
```

D)

```
{/"switch"/: {/"name"/: "dist1", /"interfaces"/: ["gig1", "gig2", "gig3"]}}
```

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

**Answer: C (LEAVE A REPLY)**

This JSON can be written as follows:

```
{
'switch': {
'name': 'dist1',
'interfaces': ['gig1', 'gig2', 'gig3']
}
}
```

#### NEW QUESTION: 161

Which two results occur if Cisco DNA Center loses connectivity to devices in the SD-Access fabric? (Choose two )

- A. Already connected users are unaffected, but new users cannot connect
- B. Cisco DNA Center is unable to collect monitoring data in Assurance.
- C. Users lose connectivity
- D. User connectivity is unaffected.

E. All devices reload after detecting loss of connection to Cisco DNA Center

**Answer: B,D (LEAVE A REPLY)**

**NEW QUESTION: 162**

Which IPv4 packet field carries the QoS IP classification marking?

- A. ID
- B. TTL
- C. FCS
- D. ToS

**Answer: D (LEAVE A REPLY)**

The classification is carried in the IP packet header, using 6 bits from the deprecated IP type of service (ToS) field to carry the classification (class) information. Classification can also be carried in the Layer 2 frame.

**NEW QUESTION: 163**

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)**

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: 164**

Which line must be added in the Python function to return the JSON object {"cat\_9k": "FXS193202SE"}?

```
import json
def get_data():
 test_json = """
 {
 "response": [{
 "managementIpAddress": "10.10.2.253",
 "memorySize": "3398345152",
 "serialNumber": "FXS1932Q2SE",
 "softwareVersion": "16.3.2",
 "hostname": "cat_9k"
 }],
 "version": "1.0"
 }
 """
```



- A)  
`return (json.dumps({d['hostname']: d['serialNumber'] for d in json.loads(test_json)['response']}))`
- B)  
`return (json.dumps({for d in json.loads(test_json)['response']: d['hostname']: d['serialNumber']}))`
- C)  
`return (json.loads({d['hostname']: d['serialNumber'] for d in json.dumps(test_json)['response']}))`
- D)  
`return (json.loads({for d in json.dumps(test_json)['response']: d['hostname']: d['serialNumber']}))`

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

**Answer: D (LEAVE A REPLY)**

#### NEW QUESTION: 165

Which two actions provide controlled Layer 2 network connectivity between virtual machines running on the same hypervisor? (Choose two.)

- A. Use a single trunk link to an external Layer2 switch.  
B. Use a virtual switch provided by the hypervisor.  
C. Use a virtual switch running as a separate virtual machine.  
D. Use a single routed link to an external router on stick.  
E. Use VXLAN fabric after installing VXLAN tunneling drivers on the virtual machines.

**Answer: B,C (LEAVE A REPLY)**

Source 1: [https://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-1000v-switch-vmware-vmware/at\\_a\\_glance\\_c45-532467.pdf](https://www.cisco.com/c/dam/en/us/products/collateral/switches/nexus-1000v-switch-vmware-vmware/at_a_glance_c45-532467.pdf)

Source 2:

[https://www.cisco.com/c/en/us/td/docs/unified\\_computing/ucs/sw/vm\\_fex/vmware/gui/config\\_guide/2-1/b\\_GUI\\_VMware\\_VM-FEX\\_UCSM\\_Configuration\\_Guide\\_2\\_1/b\\_GUI\\_VMware\\_VM-FEX\\_UCSM\\_Configuration\\_Guide\\_2\\_1\\_chapter\\_0110.pdf](https://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/sw/vm_fex/vmware/gui/config_guide/2-1/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide_2_1/b_GUI_VMware_VM-FEX_UCSM_Configuration_Guide_2_1_chapter_0110.pdf)

#### NEW QUESTION: 166

Refer to the exhibit.

```
Router#sh access-list
Extended IP access list 100
 10 permit tcp any any eq telnet
Extended IP access list 101
 10 permit tcp any any eq 22 | 23
```

Refer to the exhibit. Which configuration set implements Control plane Policing for SSH and Telnet?

Router(config)#class-map match-all class-control  
 Router(config-cmap)#match access-group 100  
 Router(config-cmap)#match access-group 101  
 Router(config)#policy-map CoPP  
  
 Router(config-pmap)#class class-control  
 Router(config-pmap-c)#police 1000000 conform-action transmit  
 Router(config)#control-plane  
 Router(config-cp)#service-policy output CoPP

Router(config)#class-map type inspect match-all  
 Router(config-cmap)#match access-group 100  
 Router(config-cmap)#match access-group 101  
 Router(config)#policy-map CoPP  
  
 Router(config-pmap)#class class-control  
 Router(config-pmap-c)#police 1000000 conform-action transmit  
 Router(config)#control-plane  
 Router(config-cp)#service-policy output CoPP

Router(config)#class-map class-telnet  
 Router(config-cmap)#match access-group 100  
 Router(config)#class-map class-ssh  
 Router(config-cmap)#match access-group 101  
 Router(config)#policy-map CoPP  
  
 Router(config-pmap)#class class-telnet-ssh  
 Router(config-pmap-c)#police 1000000 conform-action transmit  
 Router(config)#control-plane  
 Router(config-cp)#service-policy input CoPP

Router(config)#class-map match-any class-control  
 Router(config-cmap)#match access-group 100  
 Router(config-cmap)#match access-group 101  
 Router(config)#policy-map CoPP  
  
 Router(config-pmap)#class class-control  
 Router(config-pmap-c)#police 1000000 conform-action transmit  
 Router(config)#control-plane  
 Router(config-cp)#service-policy input CoPP

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

Answer: D (LEAVE A REPLY)

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**NEW QUESTION: 167**

Which AP mode allows an engineer to scan configured channels for rogue access points?

- A. sniffer
- B. bridge
- C. local
- D. monitor

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 168**

Which DHCP option helps lightweight APs find the IP address of a wireless LAN controller?

- A. Option 43
- B. Option 150
- C. Option 60
- D. Option 67

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 169**

When are multicast RPs required?

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

**Answer: C (LEAVE A REPLY)**

**NEW QUESTION: 170**

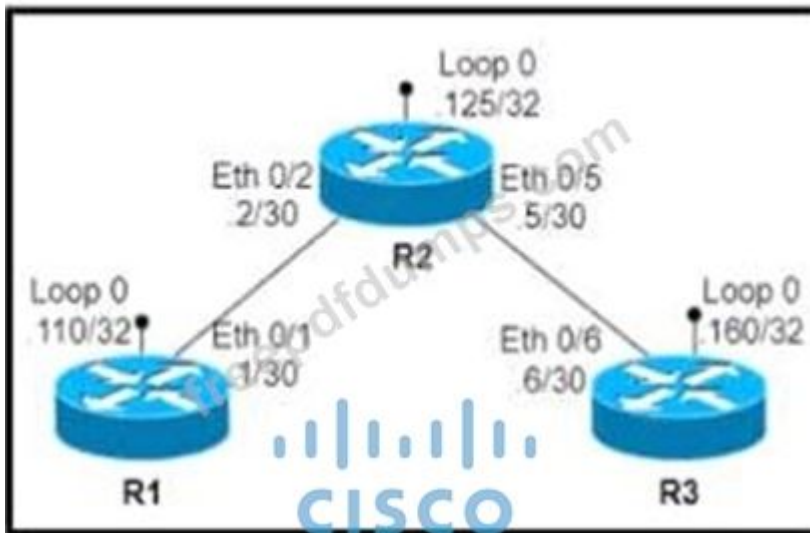
What is a characteristic of Cisco StackWise technology?

- A. It is supported on the Cisco 4500 series.
- B. It combines exactly two devices
- C. It supports devices that are geographically separated
- D. It uses proprietary cabling

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 171**

Refer to the exhibit.



An engineer configures routing between all routers and must build a configuration to connect R1 to R3 via a GRE tunnel  
Which configuration must be applied?

A)

```

R1
interface Tunnel1
 ip address 1.1.1.13 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.y.z.110

R3
interface Tunnel1
 ip address 1.1.1.31 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.y.z.160

```

B)

```

R1
interface Tunnel1
 ip address 1.1.1.13 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.y.z.110

R3
interface Tunnel1
 ip address 1.1.1.31 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.y.z.125

```

C)

```
R1
interface Tunnel2
 ip address 1.1.1.12 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.y.z.125
```

```
R2
interface Tunnel1
 ip address 1.1.1.125 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.y.z.110
interface Tunnel3
 ip address 1.1.1.125 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.y.z.160
```

```
R3
interface Tunnel2
 ip address 1.1.1.32 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.y.z.125
```

D)

```
R1
interface Tunnel1
 ip address 1.1.1.13 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.y.z.160
```

```
R3
interface Tunnel1
 ip address 1.1.1.31 255.255.255.0
 tunnel source Loopback0
 tunnel destination x.v.z.110
```

A. Option B

B. Option C

C. Option D

D. Option A

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

### NEW QUESTION: 172

A network engineer is configuring Flexible Netflow and enters these commands

```
Sampler Netflow1
```

```
Mode random one-out-of 100
```

```
Interface fastethernet 1/0
```

```
Flow-sampler netflow1
```

Which are two results of implementing this feature instead of traditional Netflow? (Choose two.)

A. The accuracy of the data to be analyzed is improved

B. CPU and memory utilization are reduced.

C. Only the flows of top 100 talkers are exported

- D. The number of packets to be analyzed are reduced
- E. The data export flow is more secure.

**Answer: B,D (LEAVE A REPLY)**

**NEW QUESTION: 173**

When is an external antenna used inside a building?

- A. only when using Mobility Express
- B. only when using 2.4 GHz
- C. only when using 5 GHz
- D. when it provides the required coverage

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 174**

Refer to the exhibit.

```
R2#
*May 27 15:33:59.642: OSPF-1 ADJ Gi1: Send DBD to 192.168.201.137 seq 0xDE7 opt 0x52 flag 0x7 len 32
*May 27 15:33:59.642: OSPF-1 ADJ Gi1: Retransmitting DBD to 192.168.201.137 [15]
*May 27 15:33:59.645: OSPF-1 ADJ Gi1: Rcv DBD from 192.168.201.137 seq 0xDE7 opt 0x52 flag 0x2 len 112 mtu 9100 state EXSTART
```

The OSPF neighborship fails between two routers. What is the cause of this issue?

- A. The OSPF process is stopped on the neighbor router.
- B. The OSPF router ID is missing on this router.
- C. The OSPF router ID is missing on the neighbor router.
- D. There is an MTU mismatch between the two routers.

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 175**

What are two characteristics of VXLAN? (Choose two)

- A. It extends Layer 2 and Layer 3 overlay networks over a Layer 2 underlay.
- B. It uses VTEPs to encapsulate and decapsulate frames.
- C. It lacks support for host mobility
- D. It has a 12-bit network identifier
- E. It allows for up to 16 million VXLAN segments

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 176**

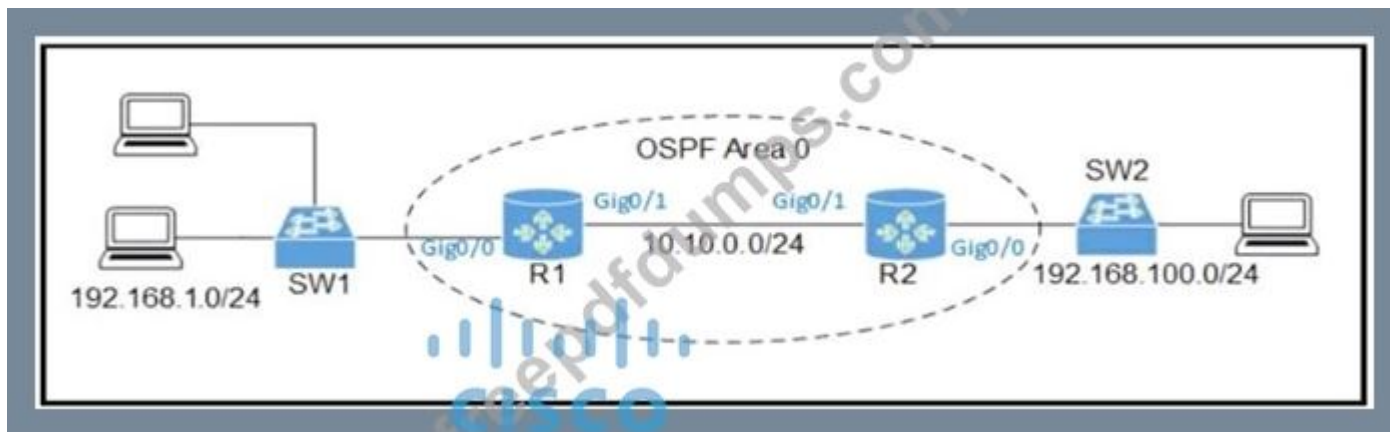
Which benefit is provided by the Cisco DNA Center telemetry feature?

- A. aids in the deployment network configurations
- B. improves the user experience
- C. provides improved network security
- D. inventories network devices

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 177**

Refer to the exhibit.



An engineer must allow R1 to advertise the 192.168.1.0/24 network to R2. R1 must perform this action without sending OSPF packets to SW1. Which command set should be applied?

A)

```
R1(config)# router ospf 1
R1(config-router)# no passive-interface gig0/0
```

B)

```
R1(config)# router ospf 1
R1(config-router)# passive-interface gig0/0
```

C)

```
R1(config)# interface gig0/0
R1(config-if)# ip ospf hello-interval 0
```

D)

```
R1(config)# interface gig0/0
R1(config-if)# ip ospf hello-interval 65535
```

A. Option C

B. Option A

C. Option B

D. Option D

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 178**

Drag and drop the LISP components on the left to the correct description on the right.

ETR	network infrastructure component that learns of EID-prefix mapping entries from an ETR
map server	IPv4 or IPv6 address of an endpoint within a LISP site.
EID	de-encapsulates LISP packets coming from outside of the LISP site to destinations inside of the site

**Answer:**



**NEW QUESTION: 179**

Drag and drop the characteristics from the left onto the technology types on the right.

This type of technology provides automation across multiple technologies and domains.

This type of technology enables consistent configuration of infrastructure resources.

Puppet is used for this type of technology.

Ansible is used for this type of technology.

**Configuration Management**

**Orchestration**

**Answer:**

**NEW QUESTION: 180**

Why is an AP joining a different WLC than the one specified through option 43?

- A. The API is joining a primed WLC
- B. The APs broadcast traffic is unable to reach the WLC through Layer 2.
- C. The AP multicast traffic unable to reach the WLC through Layer 3.
- D. The WLC is running a different software version.

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 181**

What is the function of vBond in a Cisco SD-WAN deployment?

- A. gathering telemetry data from SD-WAN routers
- B. pushing of configuration toward SD-WAN routers
- C. initiating connections with SD-WAN routers automatically
- D. onboarding of SD-WAN routers into the SD-WAN overlay

**Answer: D (LEAVE A REPLY)**

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**NEW QUESTION: 182**

In a wireless Cisco SD-Access deployment, which roaming method is used when a user moves from one access point to another on a different access switch using a single WLC?

- A. fast roam
- B. inter-xTR
- C. Layer 3
- D. auto anchor

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 183**

In a Cisco SD-WAN solution, how is the health of a data plane tunnel monitored?

- A. with OMP
- B. using BFD
- C. ARP probing
- D. with IP SLA

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 184**

Refer to the exhibit .

```
restconf
|
ip http server
ip http authentication local
ip http secure-server
|
```

Which command must be configured for RESTCONF to operate on port 8888?

- A. ip http restconf port 8888
- B. restconf http port 8888
- C. ip http port 8888
- D. restconf port 8888

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 185**

By default, which virtual MAC address does HSRP group 32 use?

- A. 00:00:0c:07:ac:20
- B. 05:5e:5c:ac:0c:32
- C. 04:18:20:83:2e:32

D. 00:5e:0c:07:ac:20

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

### NEW QUESTION: 186

Refer to the exhibit.

```
import requests
import json

url='https://switchIP.foo.com/ins'
switchuser='username'
switchpassword='password123'

myheaders={'content-type':'application/json-rpc'}
payload={
 {
 "jsonrpc": "2.0",
 "method": "cli",
 "params": {
 "cmd": "show clock",
 "version": 1
 },
 "id": 1
 }
}

response = requests.post(url,data=json.dumps(payload), headers=myheaders, auth=(switchuser,switchpassword), verify=False).json()
```

Refer to the exhibit. Which python code parses the response and prints "18:32:21.474 UTC sun Mar 10 2019"?

- A. `print(response[result]['body']['simple_time'])`
- B. `print(response['resut'][0]['simple_time'])`
- C. `print(response[jresult]['body']['simple_time'])`
- D. `print(response['body']['simple_time'])`

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

### NEW QUESTION: 187

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

```
{
 "response": [{
 "family": "Switches",
 "macAddress": "00:41:43:64:13:00",
 "hostname": "SwitchIDF14",
 "upTime": "352 days, 6:17:26:10",
 "lastUpdated": "2020-07-12 21:15:29"
 }]
}
```

A)

```
json_data = json.loads(response.text)
print(json_data[response][0][hostname])
```

B)

```
json_data = response.json()
print(json_data['response'][0]['hostname'])
```

C)

```
json_data = response.json()
print(json_data['response'][family][hostname])
```

D)

```
json_data = json.loads(response.text)
print(json_data['response']['family']['hostname'])
```

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

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

**NEW QUESTION: 188**

Which function does a Cisco SD-Access extended node perform?

- A. used to extend the fabric connecting to downstream nonfabric enabled Layer 2 switches
- B. provides fabric extension to nonfabric devices through remote registration and configuration
- C. performs tunneling between fabric and nonfabric devices to route traffic over unknown networks
- D. in charge of establishing Layer 3 adjacencies with nonfabric unmanaged node

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

**NEW QUESTION: 189**

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.

GET	remove an element using the API
POST	update an element
DELETE	extract information from the API
PUT	create an element

Answer:

GET	DELETE
POST	PUT
DELETE	GET
PUT	POST

**NEW QUESTION: 190**

What is a benefit of a virtual machine when compared with a physical server?

- A. Multiple virtual servers can be deployed on the same physical server without having to buy additional hardware.
- B. Virtual machines increase server processing performance.
- C. Deploying a virtual machine is technically less complex than deploying a physical server.
- D. The CPU and RAM resources on a virtual machine cannot be affected by other virtual machines.

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

**NEW QUESTION: 191**

Which protocol does REST API rely on to secure the communication channel?

- A. TCP
- B. HTTPS
- C. SSH
- D. HTTP

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

The REST API accepts and returns HTTP (not enabled by default) or HTTPS messages that contain JavaScript Object Notation (JSON) or Extensible Markup Language (XML) documents. You can use any programming language to generate the messages and the JSON or XML documents that contain the API methods or Managed Object (MO) descriptions.

Reference:

[x/rest\\_cfg/2\\_1\\_x/b\\_Cisco\\_APIC\\_REST\\_API\\_Configuration\\_Guide/b\\_Cisco\\_APIC\\_REST\\_API\\_Configuration\\_Guide\\_chapter\\_01.html](x/rest_cfg/2_1_x/b_Cisco_APIC_REST_API_Configuration_Guide/b_Cisco_APIC_REST_API_Configuration_Guide_chapter_01.html)

**NEW QUESTION: 192**

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 VXLAN 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 VLAN on the WLC
- D. converted by the AP into 802.3 and encapsulated into a VLAN

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

**NEW QUESTION: 193**

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

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

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

**NEW QUESTION: 194**

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

**Answer: A (LEAVE A REPLY)**

#### **NEW QUESTION: 195**

What are two benefits of implementing a Cisco SD-WAN architecture? (Choose two)

- A. It provides resilient and effective traffic flow using MPLS.
- B. It improves endpoint protection by integrating embedded and cloud security features.
- C. It allows configuration of application-aware policies with real time enforcement.
- D. It simplifies endpoint provisioning through standalone router management.
- E. It enforces a single, scalable, hub-and-spoke topology.

**Answer: C,D (LEAVE A REPLY)**

The top SD-WAN benefits are:

- + Increased bandwidth at a lower cost
- + Centralized management across branch networks
- + Full visibility into the network
- + Providing organizations with more connection type options and vendor selection when building a network.

Reference:

-> We can provision endpoints (vEdges) through a centralized router vManage -> Answer D is correct.

Answer A is not correct as we can use different kind of connections on SD-WAN: MPLS, LTE, 4G, xDSL, Internet connections...

Application-Aware Routing policy is configured in vManage as a centralized data policy that maps the service-side application(s) to specific SLA requirements. The centralized policies provisioned in vSmart controller is pushed to relevant WAN Edge devices for enforcement. The defined policy consists of match-action pairs, where the match statement defines the application-list or the type of traffic to match, and the action statement defines the SLA action the WAN Edge devices must enforce for the specified traffic.

#### **NEW QUESTION: 196**

Refer to the exhibit.

```

switch > enable
switch # configure terminal
switch(config)# interface GigabitEthernet 1/10
switch(config-if)# switchport mode trunk
switch(config-if)# switchport trunk allowed vlan 10,20,30
switch(config-if)# exit
switch (config)# monitor session 1 type erspan-source
switch(config-mon-erspan-src)# description source1
switch(config-mon-erspan-src)# source vlan 10
switch(config-mon-erspan-src)# source vlan 20
switch(config-mon-erspan-src)# filter vlan 30
switch(config-mon-erspan-src)# destination
switch(config-mon-erspan-src-dst)# erspan-id 100
switch(config-mon-erspan-src-dst)# origin ip address 10.1.0.1
switch(config-mon-erspan-src-dst)# ip prec 5
switch(config-mon-erspan-src-dst)# ip ttl 32
switch(config-mon-erspan-src-dst)# mtu 1500
switch(config-mon-erspan-src-dst)# ip address 10.10.0.1
switch(config-mon-erspan-src-dst)# vrf 1
switch(config-mon-erspan-src-dst)# no shutdown
switch(config-mon-erspan-src-dst)# end

```

An engineer configures the trunk and proceeds to configure an ESPAN session to monitor VLANs 10, 20, and 30. Which command must be added to complete this configuration?

- A. Device(config.mon-erspan.Src-dst)# mtu 1460
- B. Device(config.mon.erspan.src-dst)# erspan id 6
- C. Device(config.mon.erspan.stc)# no filter vlan 30
- D. Device(config.mon.erspan.src-dst)# no vrf 1

**Answer: (SHOW ANSWER)**

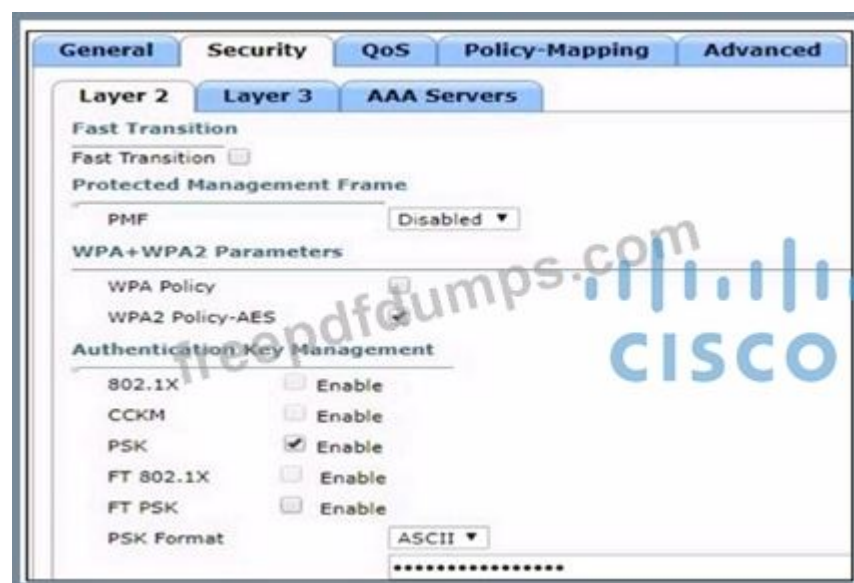
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### NEW QUESTION: 197

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. RADIUS token
- B. text string

- C. username and password
- D. certificate

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

### NEW QUESTION: 198

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

```
Jan 1 12:12:12.111 : %HSRP-4-DIFFVIP1: GigabitEthernet0/0 Grp 1 active routers virtual IP address 10.1.1.1 is different to the locally configured address 10.1.1.25
```

Which configuration change must the engineer make?

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

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

### NEW QUESTION: 199

Refer to the exhibit.

```
access-list 1 permit 10.1.1.0 0.0.0.31
ip nat pool CISCO 209.165.201.1 209.165.201.30 netmask 255.255.255.224
ip nat inside source list 1 pool CISCO
```

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

- A. Inside source addresses are translated to the 209.165.201.0/27 subnet.
- B. The 10.1.1.0/27 subnet is assigned as the inside global address range.
- C. The 209.165.201.0/27 subnet is assigned as the outside local address range.
- D. The 10.1.1.0/27 subnet is assigned as the inside local addresses.
- E. It establishes a one-to-one NAT translation.

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

### NEW QUESTION: 200

An engineer must configure a new WLAN that allows a user to enter a passphrase and provides forward secrecy as a security measure. Which Layer 2 WLAN configuration is required on the Cisco WLC?

- A. WPA3 Enterprise
- B. WPA3 Personal
- C. WPA2 Personal
- D. WPA2 Enterprise

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

### NEW QUESTION: 201

Refer to the exhibit. Which set of commands on router r R1 allows deterministic translation of private hosts PC1, PC2, and PC3 to addresses in the public space?

A)

```
RouterR1(config)#int f0/0
RouterR1(config-if)#ip nat inside
RouterR1(config-if)#exit
RouterR1(config)#int f0/1
RouterR1(config-if)#ip nat outside
RouterR1(config-if)#exit
RouterR1(config)#ip nat inside source static 10.10.10.101 155.1.1.101
RouterR1(config)#ip nat inside source static 10.10.10.102 155.1.1.102
RouterR1(config)#ip nat inside source static 10.10.10.103 155.1.1.103
```

B)

```
RouterR1(config)#int f0/0
RouterR1(config-if)#ip nat inside
RouterR1(config-if)#exit
RouterR1(config)#int f0/1
RouterR1(config-if)#ip nat outside
RouterR1(config-if)#exit
RouterR1(config)#ip nat inside source static 10.10.10.101 155.1.1.101
RouterR1(config)#ip nat inside source static 10.10.10.102 155.1.1.102
RouterR1(config)#ip nat inside source static 10.10.10.103 155.1.1.103
```

C)

```
RouterR1(config)#int f0/0
RouterR1(config-if)#ip nat inside
RouterR1(config-if)#exit
RouterR1(config)#int f0/1
RouterR1(config-if)#ip nat outside
RouterR1(config-if)#exit
RouterR1(config)#access-list 1 10.10.10.0 0.0.0.255
RouterR1(config)#ip nat pool POOL 155.1.1.101 155.1.1.103 netmask 255.255.255.0
RouterR1(config)#ip nat inside source list 1 pool POOL
```

D)

```
RouterR1(config)#int f0/0
RouterR1(config-if)#ip nat inside
RouterR1(config-if)#exit
RouterR1(config)#int f0/1
RouterR1(config-if)#ip nat outside
RouterR1(config-if)#exit
RouterR1(config)#access-list 1 10.10.10.0 0.0.0.255
RouterR1(config)#ip nat inside source list 1 interface f0/1 overload
```

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

Answer: A (LEAVE A REPLY)

**NEW QUESTION: 202**

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

Costs for this model are considered CapEx.

This model improves elasticity of resources.

This model enables complete control of the servers.

This model reduces management overhead by leveraging provider-managed resources.

On-Premises

Cloud

Answer:

Costs for this model are considered CapEx.

This model improves elasticity of resources.

This model enables complete control of the servers.

This model reduces management overhead by leveraging provider-managed resources.

On-Premises

This model enables complete control of the servers.

Costs for this model are considered CapEx.

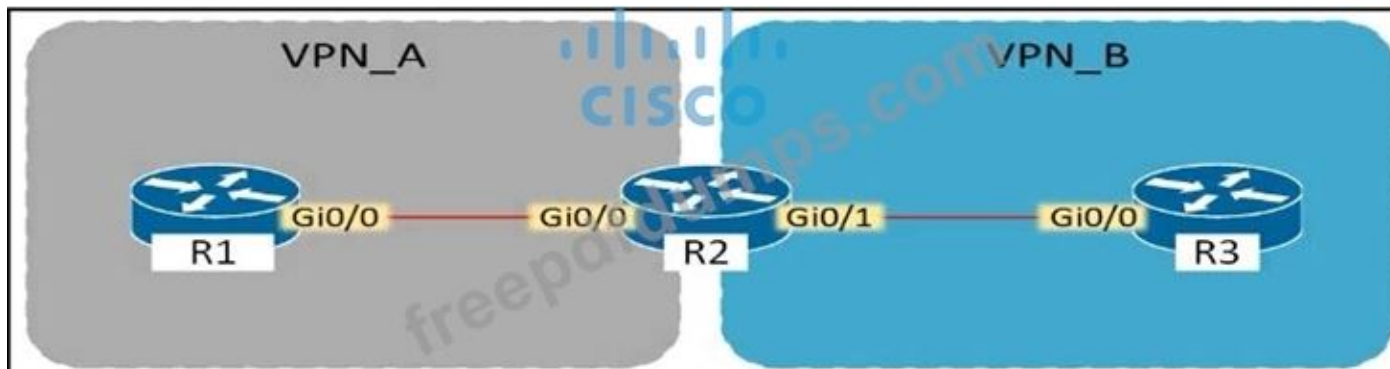
Cloud

This model reduces management overhead by leveraging provider-managed resources.

This model improves elasticity of resources.

**NEW QUESTION: 203**

Refer to The exhibit.



Assuming that R1 is a CE router, which VRF is assigned to Gi0/0 on R1?

- A. VRF VPN\_B
- B. VRF VFN\_A
- C. default VRF
- D. management VRF

Answer: C (LEAVE A REPLY)

**NEW QUESTION: 204**

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

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

**NEW QUESTION: 205**

How does the RIB differ from the FIB?

- A. The RIB is used to create network topologies and routing tables. The FIB is a list of routes to particular network destinations.
- B. The FIB includes many routes to a single destination. The RIB is the best route to a single destination.
- C. The RIB includes many routes to the same destination prefix. The FIB contains only the best route.
- D. The FIB maintains network topologies and routing tables. The RIB is a list of routes to particular network destinations.

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

RIB is derived from the control plane,

**NEW QUESTION: 206**

Which feature does Cisco TrustSec use to provide scalable, secure communication throughout a network?

- A. security group tag ACL assigned to each port on a switch
- B. security group tag number assigned to each port on a network
- C. security group tag number assigned to each user on a switch
- D. security group tag ACL assigned to each router on a network

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

Cisco TrustSec uses tags to represent logical group privilege. This tag, called a Security Group Tag (SGT), is used in access policies. The SGT is understood and is used to enforce traffic by Cisco switches, routers and firewalls. Cisco TrustSec is defined in three phases: classification, propagation and enforcement.

When users and devices connect to a network, the network assigns a specific security group. This process is called classification. Classification can be based on the results of the authentication or by associating the SGT with an IP, VLAN, or port-profile (-> Answer 'security group tag ACL assigned to each port on a switch' and answer 'security group tag number assigned to each user on a switch' are not correct as they say "assigned ... on a switch" only. Answer 'security group tag ACL assigned to each router on a network' is not correct either as it says "assigned to each router").

**NEW QUESTION: 207**

Which data is properly formatted with JSON?

A)

```
{
 "name": "Peter",
 "age": "25",
 "likesJson": true,
 "characteristics": ["small", "strong", 18]
}
```

B)

```
{
 "name": "Peter",
 "age": "25",
 "likesJson": true,
 "characteristics": ["small", "strong", "18"],
}
```

C)

```
{
 "name": "Peter"
 "age": "25"
 "likesJson": true
 "characteristics": ["small", "strong", 18]
}
```

D)

```
{
 "name": Peter,
 "age": 25,
 "likesJson": true,
 "characteristics": ["small", "strong", "18"],
}
```

A. Option B

B. Option A

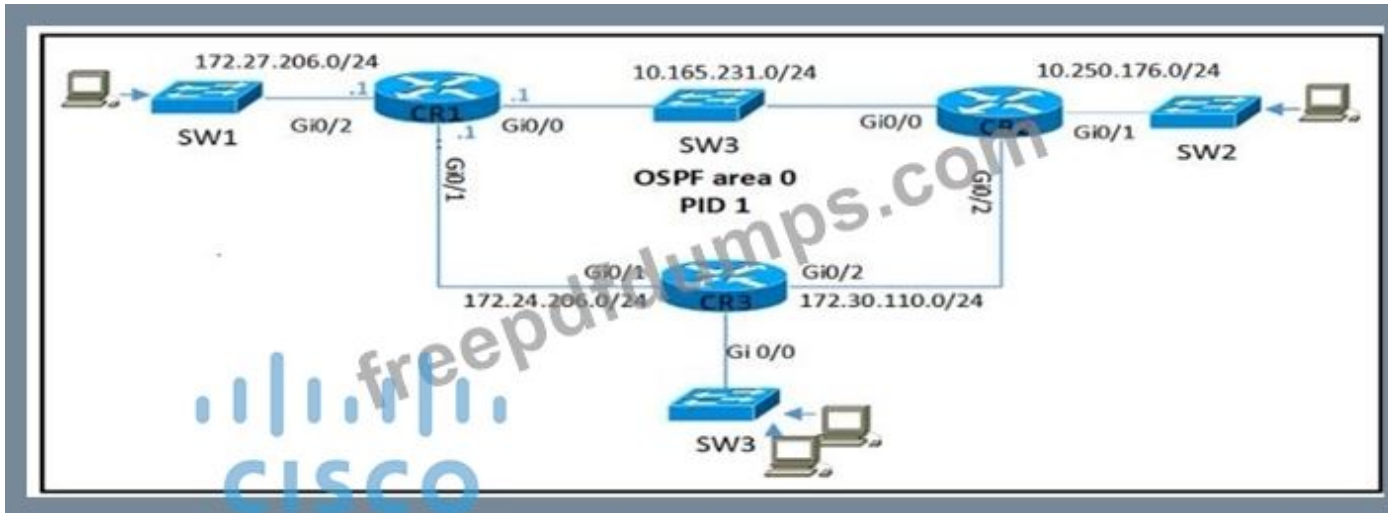
C. Option D

D. Option C

Answer: B (LEAVE A REPLY)

**NEW QUESTION: 208**

Refer to the exhibit.



CR2 and CR3 are configured with OSPF. Which configuration, when applied to CR1, allows CR1 to exchange OSPF Information with CR2 and CR3 but not with other network devices or on new Interfaces that are added to CR1?

A)

```
router ospf 1
network 0.0.0.0 255.255.255.255 area 0
passive-interface GigabitEthernet0/2
```

B)

```
router ospf 1
network 10.165.231.0 0.0.0.255 area 0
network 172.27.206.0 0.0.0.255 area 0
network 172.24.206.0 0.0.0.255 area 0
```

C)

```
interface Gi0/2
ip ospf 1 area 0

router ospf 1
passive-interface GigabitEthernet0/2
```

```
router ospf 1
network 10.0.0.0 0.255.255.255 area 0
network 172.16.0.0 0.15.255.255 area 0
passive-interface GigabitEthernet0/2
```

A. Option A

B. Option C

C. Option B

D. Option D

**Answer: D (LEAVE A REPLY)**

### NEW QUESTION: 209

Refer to the exhibit.

```
SW2(config)# track 1000 interface gigabitEthernet 0/0 line-protocol
SW2(config-track)# exit
SW2(config)# interface vlan 1000
SW2(config-if)# ip address 10.23.87.3 255.255.255.0
```

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)

```
SW2(config-if)# standby version 2
SW2(config-if)# standby 1000 ip 10.23.87.1
SW2(config-if)# standby 1000 priority 95
SW2(config-if)# standby 1000 preempt
SW2(config-if)# standby 1000 track gigabitEthernet0/0
```

B)

```
SW2(config-if)# standby 1000 ip 10.23.87.1
SW2(config-if)# standby 1000 priority 95
SW2(config-if)# standby 1000 preempt
SW2(config-if)# standby 1000 track 1000
```

C)

```
SW2(config-if)# standby version 2
SW2(config-if)# standby 1000 ip 10.23.87.1
SW2(config-if)# standby 1000 priority 95
SW2(config-if)# standby 1000 preempt
SW2(config-if)# standby 1000 track 1000
```

D)

```
SW2(config-if)# standby version 2
SW2(config-if)# standby 1000 ip 10.23.87.1
SW2(config-if)# standby 1000 priority 95
SW2(config-if)# standby 1000 track 1000
```

A. Option D

B. Option C

C. Option B

D. Option A

**Answer: B (LEAVE A REPLY)**

### NEW QUESTION: 210

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?

```
event manager applet LogMessage
event routing network 172.30.197.0/24 type all
```

A. action 1 syslog msg "OSPF ROUTING ERROR"

B. action 1 syslog write "OSPF ROUTING ERROR"

C. action 1 syslog send "OSPF ROUTING ERROR"

D. action 1 syslog pattern "OSPF ROUTING ERROR"

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 211**

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

**Answer:**

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**NEW QUESTION: 212**

Refer to the exhibit. A network engineer must configure NETCONF. After creating the configuration, the engineer gets output from the command show line, but not from show running-config. Which command completes the configuration?

- Device(config)# netconf lock-time 500
- Device(config)# netconf max-message 1000
- Device(config)# no netconf ssh aci 1
- Device(config)# netconf max-sessions 100

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

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 213**

Which protocol is responsible for data plane forwarding in a Cisco SD-Access deployment?

- A. IS-IS
- B. VXLAN
- C. OSPF
- D. LISP

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

**NEW QUESTION: 214**

How does Protocol Independent Multicast function?

- A. It uses the multicast routing table to perform the multicast forwarding function.
- B. It uses broadcast routing information to perform the multicast forwarding function.
- C. In sparse mode it establishes neighbor adjacencies and sends hello messages at 5-second intervals.
- D. It uses unicast routing information to perform the multicast forwarding function.

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

**NEW QUESTION: 215**

In cisco SD\_WAN, which protocol is used to measure link quality?

- A. OMP
- B. BFD
- C. RSVP
- D. IPsec

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

The BFD (Bidirectional Forwarding Detection) is a protocol that detects link failures as part of the Cisco SD-WAN (Viptela) high availability solution, is enabled by default on all vEdge routers, and you cannot disable it.

**NEW QUESTION: 216**

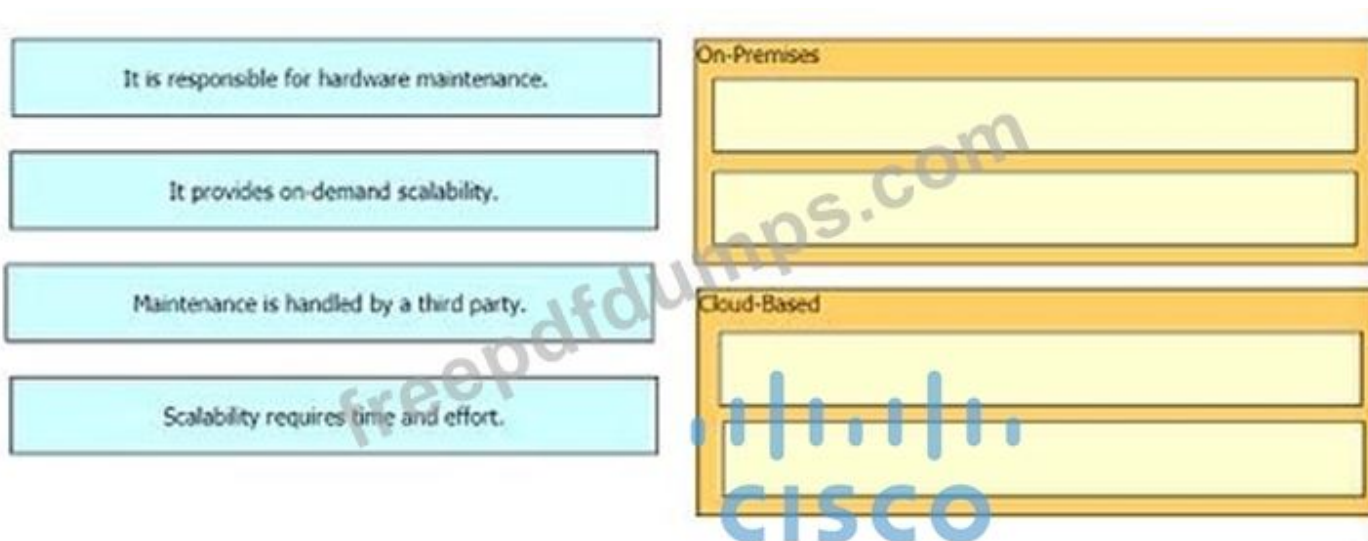
Which LISP infrastructure device provides connectivity between non-sites and LISP sites by receiving non-LISP traffic with a LISP site destination?

- A. map resolver
- B. map server
- C. PITR
- D. PETR

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

**NEW QUESTION: 217**

Drag and drop the characteristics from the left onto the deployment types on the right.



**Answer:**



**NEW QUESTION: 218**

What does a northbound API accomplish?

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

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

**NEW QUESTION: 219**

A client device roams between wireless LAN controllers that are mobility peers, Both controllers have dynamic interface on the same client VLAN which type of roam is described?

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

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

**NEW QUESTION: 220**

What is the function of a control-plane node in a Cisco SD-Access solution?

- A. to connect APs and wireless endpoints to the SD-Access fabric

- B. to connect external Layer 3 networks to the SD Access fabric.
- C. to implement policies and communicate with networks outside the fabric
- D. to run a mapping system that manages endpoint to network device relationships

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

#### **NEW QUESTION: 221**

Which element enables communication between guest VMs within a virtualized environment?

- A. hypervisor
- B. pNIC
- C. virtual router
- D. vSwitch

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

#### **NEW QUESTION: 222**

What does the cisco REST response indicate?

- A. Cisco DNA Center is unable to communicate with cat9000-1
- B. Cisco DNA Center has the Incorrect credentials for RouterASR-1
- C. Cisco DNA Center has the incorrect credentials for cat9000-1
- D. Cisco DNA Center has the Incorrect credentials for cat3850-1

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

#### **NEW QUESTION: 223**

Refer to the exhibit.

```
configure terminal
ip flow-export destination 192.168.10.1 9991
ip flow-export version 9
```

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

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: 224**

Refer to the exhibit.

```
{
 "method": "GET",
 "url": "/restconf/api/running/native/interface",
 "params": {
 "Accept": "application/vnd.yang.collection+json,
 application/vnd.yang.data+json,
 application/vnd.yang.datastore+json"
 },
 "data": {}
}
```

What is the result of the API request?

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

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

#### NEW QUESTION: 225

A customer requests a design that includes GLBP as the FHRP The network architect discovers that the members of the GLBP group have different throughput capabilities Which GLBP load balancing method supports this environment?

- A. host dependent
- B. least connection
- C. round robin
- D. weighted

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

Weighted: Defines weights to each device in the GLBP group to define the ratio of load balancing between the devices. This allows for a larger weight to be assigned to bigger routers that can handle more traffic. protocol is used by an extended

#### NEW QUESTION: 226

Which algorithms are used to secure REST API from brute attacks and minimize the impact?

- A. SHA-512 and SHA-384
- B. MD5 algorithm-128 and SHA-384
- C. SHA-1, SHA-256, and SHA-512
- D. PBKDF2, BCrypt, and SCrypt

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

One of the best practices to secure REST APIs is using password hash. Passwords must always be hashed to protect the system (or minimize the damage) even if it is compromised in some hacking attempts. There are many such hashing algorithms which can prove really effective for password security e.g. PBKDF2, bcrypt and scrypt algorithms.

Other ways to secure REST APIs are: Always use HTTPS, Never expose information on URLs (Usernames, passwords, session tokens, and API keys should not appear in the URL),

Adding Timestamp in Request, Using OAuth, Input Parameter Validation.

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