

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

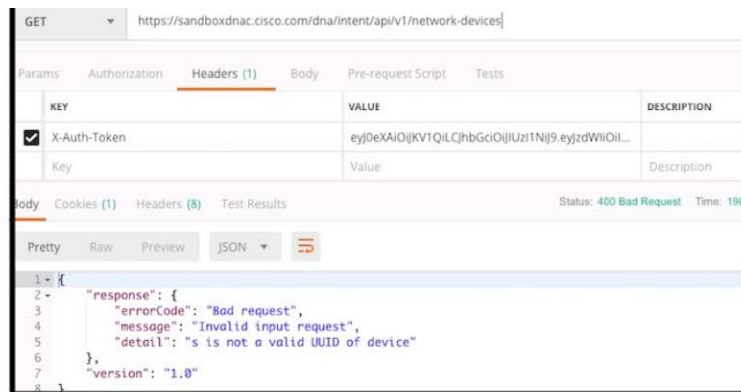
- ☒ 9100
- ☐ 1500
- ☐ 17914
- ☐ 4464

Person#1:
First Name is Johnny
Last Name is Table
Hobbies are:
• Running
• Video games

Person#2:
First Name is Billy
Last Name is Smith
Hobbies are:
• Napping
• Reading

Refer to the exhibit. Which JSON syntax is derived from this data?

- ☐ [{"First Name": 'Johnny', 'Last Name': 'Table', 'Hobbies': ['Running', 'Video games']}, {'First Name': 'Billy', 'Last Name': 'Smith', 'Hobbies': ['Napping', 'Reading']}]
- ☐ {'Person': [{'First Name': 'Johnny', 'Last Name': 'Table', 'Hobbies': ['Running', 'Video games']}, {'First Name': 'Billy', 'Last Name': 'Smith', 'Hobbies': ['Napping', 'Reading']}]}
- ☐ [{"First Name": 'Johnny', 'Last Name': 'Table', 'Hobbies': ['Running', 'Hobbies': 'Video games'], {'First Name': 'Billy', 'Last Name': 'Smith', 'Hobbies': ['Napping', 'Hobbies': 'Reading']}]}
- ☒ {'Person': [{'First Name': 'Johnny', 'Last Name': 'Table', 'Hobbies': ['Running', 'Video games']}, {'First Name': 'Billy', 'Last Name': 'Smith', 'Hobbies': ['Napping', 'Reading']}]}



Refer to the exhibit. POSTMAN is showing an attempt to retrieve network device information from Cisco DNA Center API. What is the issue?

- ☒ The URI string is incorrect.
- ☐ The token has expired.
- ☐ Authentication has failed.
- ☐ The JSON payload contains the incorrect UUID.

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

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

Which entity is responsible for maintaining Layer 2 isolation between segments in a VXLAN environment?

- ☐ VTEP
- ☒ VNID
- ☐ host switch
- ☐ switch fabric

```
event snmp oid 1.3.6.1.4.1.9.9.109.1.1.1.1.3 get-type next entry-op gt entry-val 80 poll-interval 5
!
action 1.0 cli command "enable"
action 2.0 syslog msg "high cpu"
action 3.0 cli command "term length 0"
```

Refer to the exhibit. An engineer must create a script that appends the output of the **show process cpu sorted** command to a file. Which action completes the configuration?

- ☐ action 4.0 syslog command "show process cpu sorted | append flash:high-cpu-file"
- ☒ action 4.0 cli command "show process cpu sorted | append flash:high-cpu-file"
- ☐ action 4.0 cns-event "show process cpu sorted | append flash:high-cpu-file"
- ☐ action 4.0 publish-event "show process cpu sorted | append flash:high-cpu-file"

Which statement about TLS is accurate when using RESTCONF to write configurations on network devices?

- ☐ It is not supported on Cisco devices.
- ☐ It is used for HTTP and HTTPS requests.
- ☐ It requires certificates for authentication.
- ☒ It is provided using NGINX acting as a proxy web server.

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

secure vault
HTTP basic authentication
OAuth

What is the responsibility of a secondary WLC?

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

Snapshots were taken on 22th Sep 2021

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

beamwidth	a graph that shows the relative intensity of the signal strength of an antenna within its space
polarization	the relative increase in signal strength of an antenna in a given direction
 radiation patterns	measures the angle of an antenna pattern in which the relative signal strength is half-power below the maximum value
gain	radiated electromagnetic waves that influence the orientation of an antenna within its electromagnetic field

- radiation patterns
- gain
- beamwidth
- polarization

Which protocol infers that a YANG data model is being used?

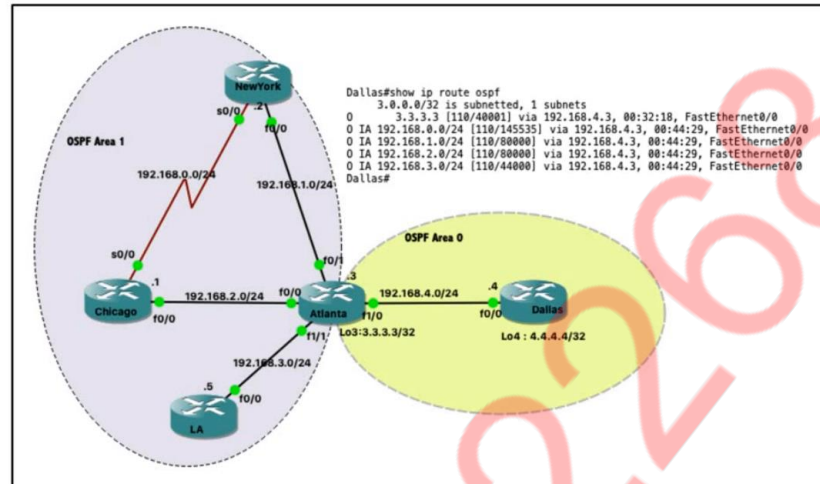
☒ RESTCONF

☐ REST

☐ SNMP

☐ NX-API

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Refer to the exhibit. When applied to the Atlanta router, which command reduces type 3 LSA flooding into the backbone area and summarizes the inter-area routes on the Dallas router?

- ☐ Atlanta(config-router)#area 1 range 192.168.0.0 255.255.248.0
- ☒ Atlanta(config-router)#area 1 range 192.168.0.0 255.255.252.0
- ☐ Atlanta(config-router)#area 0 range 192.168.0.0 255.255.248.0
- ☐ Atlanta(config-router)#area 0 range 192.168.0.0 255.255.252.0

```

SW1#sh monitor session all
Session 1
-----
Type                : Remote Destination Session
Source RSPAN VLAN   : 50

Session 2
-----
Type                : Local Session
Source Ports        :
Both                : Fa0/14
Destination Ports   : Fa0/15
Encapsulation       : Native
Ingress             : Disables
  
```

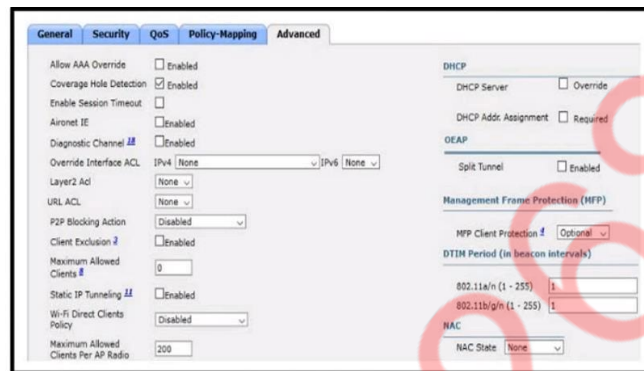
Refer to the exhibit. An engineer configures monitoring on SW1 and enters the **show** command to verify operation. What does the output confirm?

- ☐ RSPAN session 1 monitors activity on VLAN 50 of a remote switch.
- ☒ RSPAN session 1 is incompletely configured for monitoring.
- ☐ SPAN session 2 monitors all traffic entering and exiting port FastEthernet 0/15.
- ☐ SPAN session 2 only monitors egress traffic exiting port FastEthernet 0/14.

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

- ☐ username/role combination
- ☒ access tokens
- ☐ cookie authentication
- ☐ basic signature workflow

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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?

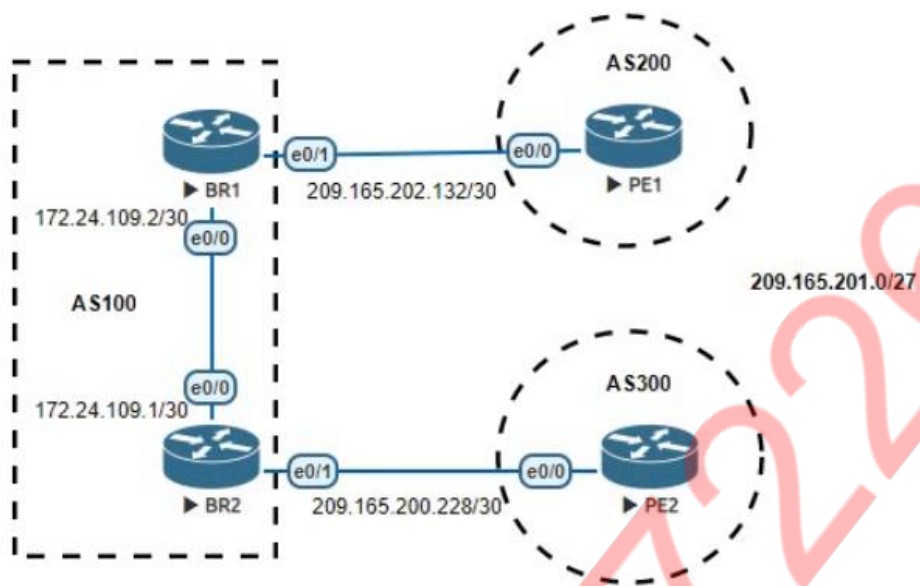
- ☒ implement P2P blocking
- ☐ implement Wi-Fi direct policy
- ☐ implement split tunneling
- ☐ implement MFP client protection

Which JSON syntax is valid?

- ☒ `{"switch": {"name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}}`
- ☐ `{/"switch/": {/"name/": "dist1", /"interfaces/": ["gig1", "gig2", "gig3"]}}`
- ☐ `{'switch': ('name': 'dist1', 'interfaces': ['gig1', 'gig2', 'gig3'])}`
- ☐ `{"switch": "name": "dist1", "interfaces": ["gig1", "gig2", "gig3"]}`

What is a fact about Cisco EAP-FAST?

- ☒ It does not require a RADIUS server certificate.
- ☐ It is an IETF standard.
- ☐ It requires a client certificate.
- ☐ It operates in transparent mode.



BR1
 router bgp 100
 neighbor 172.24.109.1 remote-as 100
 neighbor 172.24.109.1 next-hop-self
 neighbor 209.165.202.134 remote-as 200

BR2
 router bgp 100
 neighbor 172.24.109.2 remote-as 100
 neighbor 172.24.109.2 next-hop-self
 neighbor 209.165.200.230 remote-as 300

PE1
 router bgp 200
 bgp log-neighbor-changes
 neighbor 209.165.202.133 remote-as 100

PE2
 router bgp 300
 bgp log-neighbor-changes
 neighbor 209.165.200.229 remote-as 100

```

BR2#sh ip route | i 209.165.201.0
209.165.201.0/27 is subnetted, 1 subnets
B 209.165.201.0 [20/0] via 209.165.200.230, 00:00:17
    
```

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

- ☐ Set the origin to igp on BR2 toward PE2 inbound.
- ☐ Set the local preference to 150 on PE1 toward BR1 outbound.
- ☐ Set the weight attribute to 65,535 on BR1 toward PE1.
- ☒ Set the MED to 1 on PE2 toward BR2 outbound.

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```
DSW1#sh spanning-tree int fa1/0/7
```

Vlan	Role	Sts	Cost	Prio.	Nbr	Type
VLAN0001	Desg	FWD	2	128	9	P2p Edge
VLAN0010	Desg	FWD	2	128	9	P2p Edge
VLAN0020	Desg	FWD	2	128	9	P2p Edge
VLAN0030	Desg	FWD	2	128	9	P2p Edge
VLAN0040	Desg	FWD	2	128	9	P2p Edge

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

- ☒ By entering the command **spanning-tree portfast trunk** in the interface configuration mode.
- ☐ By entering the command **spanning-tree mst1 vlan 10,20,30,40** in the global configuration mode.
- ☐ By entering the command **spanning-tree vlan 10,20,30,40 root primary** in the interface configuration mode.
- ☐ By entering the command **spanning-tree portfast** in the interface configuration mode.

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.)

- ☒ Configure the **logging synchronous** command under the vty.
- ☐ Configure the logging delimiter feature.
- ☐ Increase the number of lines on the screen using the **terminal length** command.
- ☒ Press the TAB key to reprint the command in a new line.
- ☐ Configure the **logging synchronous** global configuration command.

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

- ☒ centrally switched back to WLC where the user traffic is mapped to a VXLAN on the WLC
- ☐ converted by the AP into 802.3 and encapsulated into VXLAN
- ☐ centrally switched back to WLC where the user traffic is mapped to a VLAN on the WLC
- ☐ converted by the AP into 802.3 and encapsulated into a VLAN

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

supports unequal cost path load balancing

link state

advanced distance vector

supports only equal cost path load balancing

OSPF

EIGRP

OSPF

link state

supports only equal cost path load balancing

EIGRP

advanced distance vector

supports unequal cost path load balancing

Which OSPF network types are compatible and allow communication through the two peering devices?

- ☒ broadcast to nonbroadcast
- ☐ broadcast to point-to-point
- ☐ point-to-multipoint to broadcast
- ☐ point-to-multipoint to nonbroadcast

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```
aaa new-model
aaa authentication login default local-case enable
aaa authentication login ADMIN local-case
username CCNP secret Str0ngP@ssw0rd!
line 0 4
login authentication ADMIN
```

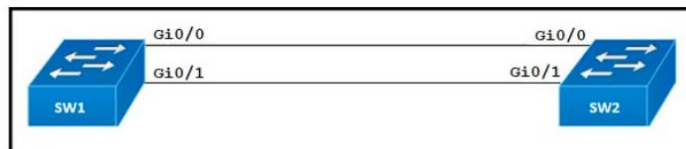
Refer to the exhibit. An engineer must create a configuration that executes the **show run** command and then terminates the session when user CCNP logs in. Which configuration change is required?

- ☐ Add the **access-class** keyword to the **username** command.
- ☐ Add the **access-class** keyword to the **aaa authentication** command.
- ☒ Add the **autocommand** keyword to the **username** command.
- ☐ Add the **autocommand** keyword to the **aaa authentication** command.

Which outcome is achieved with this Python code?

```
client.connect ( ip, port= 22, username= usr, password= pswd )
stdin, stdout, stderr = client.exec_command ( 'show ip bgp 192.168.101.0 bestpath\n' )
print (stdout)
```

- ☐ connects to a Cisco device using Telnet and exports the routing table information
- ☐ connects to a Cisco device using SSH and exports the routing table information
- ☒ connects to a Cisco device using SSH and exports the BGP table for the prefix
- ☐ displays the output of the **show** command in a formatted way



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:

*Mar 1 09:47:22.245: %PM-4-ERR_DISABLE: bpduguard error detected on Gi0/0, putting Gi0/0 in err-disable state

Which command set resolves this error?

- ☒ SW1(config-if)#**interface Gi0/0**
SW1(config-if)#**no spanning-tree bpduguard enable**
SW1(config-if)#**shut**
SW1(config-if)#**no shut**
- ☐ SW1(config-if)#**interface Gi0/0**
SW1(config-if)#**spanning-tree bpduguard enable**
SW1(config-if)#**shut**
SW1(config-if)#**no shut**
- ☐ SW1(config-if)#**interface Gi0/0**
SW1(config-if)#**no spanning-tree bpduguard enable**
SW1(config-if)#**shut**
SW1(config-if)#**no shut**
- ☐ SW1(config-if)#**interface Gi0/1**
SW1(config-if)#**spanning-tree bpduguard enable**
SW1(config-if)#**shut**
SW1(config-if)#**no shut**

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What does the Cisco DNA Center use to enable the delivery of applications through a network and to yield analytics for innovation?

- ☐ process adapters
- ☐ Command Runner
- ☒ intent-based APIs
- ☐ domain adapters

Which characteristic distinguishes Ansible from Chef?

- ☒ Ansible pushes the configuration to the client. Chef client pulls the configuration from the server.
- ☐ Ansible lacks redundancy support for the primary server. Chef runs two primary servers in active/active mode.
- ☐ The Ansible server can run on Linux, Unix or Windows. The Chef server must run on Linux or Unix.
- ☐ Ansible uses Ruby to manage configurations. Chef uses YAML to manage configurations.

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

- ☐ HTTP
- ☐ SSH
- ☒ HTTPS
- ☐ TCP

Snapshots were taken on 22th Sep 2021

```
Extended IP access list EGRESS
10 permit ip 10.0.0.0 0.0.0.255 any
|
<Output Omitted>
|
interface GigabitEthernet0/0
ip address 209.165.200.225 255.255.255.0
ip access-group EGRESS out
duplex auto
speed auto
media-type rj45
|
```

Refer to the exhibit. An engineer must block all traffic from a router to its directly connected subnet 209.165.200.0/24. The engineer applies access control list EGRESS in the outbound direction on the GigabitEthernet0/0 interface of the router. However, the router can still ping hosts on the 209.165.200.0/24 subnet. What explains this behavior?

- ☐ After an access control list is applied to an interface, that interface must be shut and no shut for the access control list to take effect.
- ☐ Only standard access control lists can block traffic from a source IP address.
- ☒ Access control lists that are applied outbound to a router interface do not affect traffic that is sourced from the router.
- ☐ The access control list must contain an explicit deny to block traffic from the router.

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

- ☐ Stratum 0
- ☒ Stratum 1
- ☐ Stratum 14
- ☐ Stratum 15

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

- ☐ sniffer
- ☐ rogue detector
- ☒ local
- ☒ FlexConnect
- ☐ monitor

Which antenna type should be used for a site-to-site wireless connection?

- ☐ dipole
- ☒ Yagi
- ☐ omnidirectional
- ☐ patch

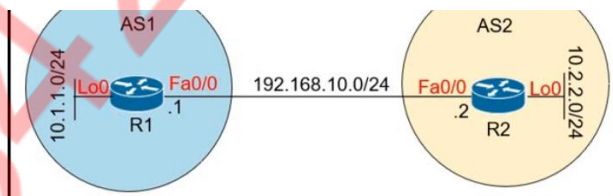
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A customer has several small branches and wants to deploy a Wi-Fi solution with local management using CAPWAP. Which deployment model meets this requirement?

- ☐ local mode
- ☒ Mobility Express
- ☐ SD-Access wireless
- ☐ autonomous

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

- ☐ port flapping
- ☒ excess jitter
- ☐ misrouted network packets
- ☐ duplicate IP addresses
- ☒ bandwidth-related packet loss



Refer to the exhibit. Which configuration establishes EIGRP neighborship between these two directly connected neighbors and exchanges the loopback network of the two routers through BGP?

- ☐ R1(config)#router bgp 1
R1(config-router)#neighbor 192.168.10.2 remote-as 2
R1(config-router)#network 10.0.0.0 mask 255.0.0.0

R2(config)#router bgp 2
R2(config-router)#neighbor 192.168.10.1 remote-as 1
R2(config-router)#network 10.0.0.0 mask 255.0.0.0
- ☐ R1(config)#router bgp 1
R1(config-router)#neighbor 10.2.2.2 remote-as 2
R1(config-router)#neighbor 10.2.2.2 update-source lo0
R1(config-router)#network 10.1.1.0 mask 255.255.255.0

R2(config)#router bgp 2
R2(config-router)#neighbor 10.1.1.1 remote-as 1
R2(config-router)#neighbor 10.1.1.1 update-source lo0
R2(config-router)#network 10.2.2.0 mask 255.255.255.0
- ☐ R1(config)#router bgp 1
R1(config-router)#neighbor 10.2.2.2 remote-as 2
R1(config-router)#network 10.1.1.0 mask 255.255.255.0

R2(config)#router bgp 2
R2(config-router)#neighbor 10.1.1.1 remote-as 1
R2(config-router)#network 10.2.2.0 mask 255.255.255.0
- ☒ R1(config)#router bgp 1
R1(config-router)#neighbor 192.168.10.2 remote-as 2
R1(config-router)#network 10.1.1.0 mask 255.255.255.0

R2(config)#router bgp 2
R2(config-router)#neighbor 192.168.10.1 remote-as 1
R2(config-router)#network 10.2.2.0 mask 255.255.255.0

A customer requests a network design that supports these requirements:

- FHRP redundancy
- multivendor router environment
- IPv4 and IPv6 hosts

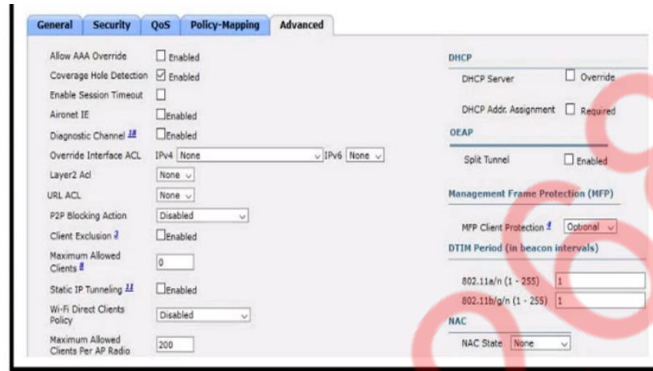
Which protocol does the design include?

- ☐ VRRP version 2
- ☒ VRRP version 3
- ☐ GLBP
- ☐ HSRP version 2

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

- ☒ The access point is part of the fabric overlay.
- ☐ The access point is part of the fabric underlay.
- ☐ The WLC is part of the fabric underlay.
- ☐ The wireless client is part of the fabric overlay.

Snapshots were taken on 22th Sep 2021



Refer to the exhibit. An engineer has configured Cisco ISE to assign VLANs to clients based on their method of authentication, but this is not working as expected. Which action will resolve this issue?

- ☐ utilize RADIUS profiling
- ☐ require a DHCP address assignment
- ☐ set a NAC state
- ☒ enable AAA override

Which command set configures RSPAN to capture outgoing traffic from VLAN 3 on interface GigabitEthernet 0/3 while ignoring other VLAN traffic on the same interface?

- ☐ monitor session 2 source interface gigabitethernet0/3 rx
monitor session 2 filter vlan 1 - 2 , 4 - 4094
- ☐ monitor session 2 source interface gigabitethernet0/3 rx
monitor session 2 filter vlan 3
- ☐ monitor session 2 source interface gigabitethernet0/3 tx
monitor session 2 filter vlan 1 - 2 , 4 - 4094
- ☒ monitor session 2 source interface gigabitethernet0/3 tx
monitor session 2 filter vlan 3

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

- ☐ event manager applet ondemand
event register
action 1.0 syslog priority critical msg 'This is a message from ondemand'
- ☐ event manager applet ondemand
action 1.0 syslog priority critical msg 'This is a message from ondemand'
- ☒ event manager applet ondemand
event none
action 1.0 syslog priority critical msg 'This is a message from ondemand'
- ☐ event manager applet ondemand
event manual
action 1.0 syslog priority critical msg 'This is a message from ondemand'

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An engineer is configuring local web authentication on a WLAN. The engineer chooses the Authentication radio button under the Layer 3 Security options for Web Policy. Which device presents the web authentication for the WLAN?

- ☐ ISE server
- ☐ RADIUS server
- ☐ anchor WLC
- ☒ local WLC

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

- ☒ vBond
- ☐ vSmart
- ☐ vManage
- ☐ PNP Server

```
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
```

Refer to the exhibit. 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 command set will allow this traffic without disrupting existing traffic flows?

- ☒

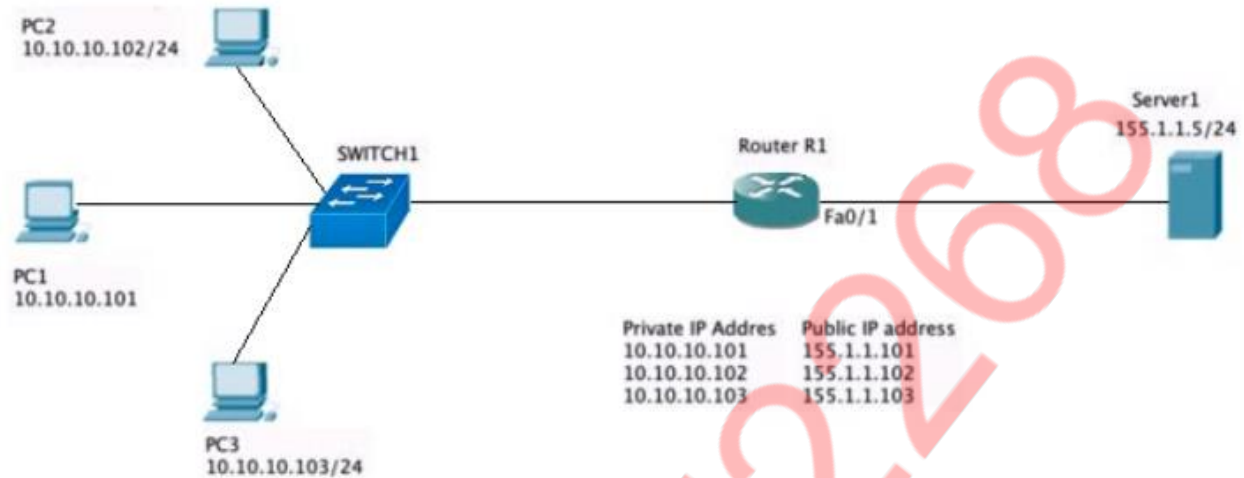
```
config t
ip access-list extended EGRESS
5 permit ip 10.1.10.0 0.0.0.255 10.1.2.0 0.0.0.255
```
- ☐

```
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
```
- ☐

```
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
```
- ☐

```
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
```

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

- ☒ 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
- ☐ 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
- ☐ RouterR1(config)#int f0/0
RouterR1(config-if)#ip nat outside
RouterR1(config-if)#exit
RouterR1(config)#int f0/1
RouterR1(config-if)#ip nat inside
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
- ☐ 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

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

vNIC	zip file connecting a virtual machine configuration file and a virtual disk
OVA	file containing a virtual machine disk drive
VMDK	configuration file containing settings for a virtual machine such as guest OS
VMX	component of a virtual machine responsible for sending packets to the hypervisor

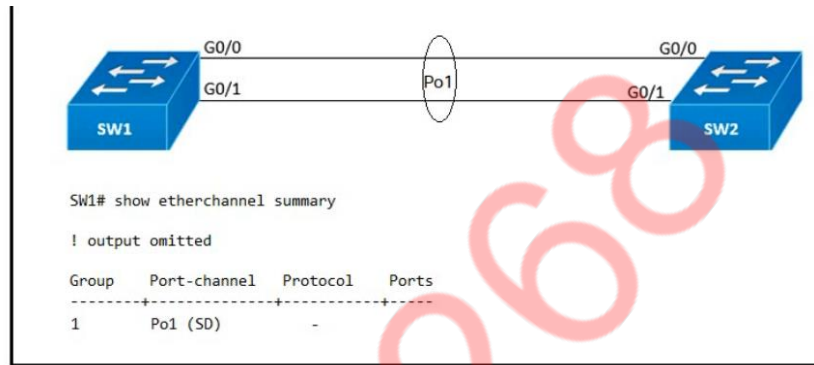
OVA
VMDK
VMX
vNIC

What is the wireless Received Signal Strength Indicator?

- ☐ the value given to the strength of the wireless signal received compared to the noise level
- ☐ the value of how strong the wireless signal is leaving the antenna using transmit power, cable loss, and antenna gain
- ☐ the value of how much wireless signal is lost over a defined amount of distance

☒ the value of how strong a wireless signal is received, measured in dBm

Snapshots were taken on 22th Sep 2021



Refer to the exhibit. After an engineer configures an EtherChannel between switch SW1 and switch SW2, this error message is logged on switch SW2:

SW2#

09:45:32: %PM-4-ERR_DISABLE: channel-misconfig error detected on Gi0/0, putting Gi0/0 in err-disable state

09:45:32: %PM-4-ERR_DISABLE: channel-misconfig error detected on Gi0/1, putting Gi0/1 in err-disable state

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

- ☐ Correct the configuration error on Interface Gi0/1 on switch SW1.
- ☐ Correct the configuration error on Interface Gi0/0 on switch SW1.
- ☐ Define the correct port members on the EtherChannel on switch SW1.
- ☒ Configure the same protocol on the EtherChannel on switch SW1 and SW2.

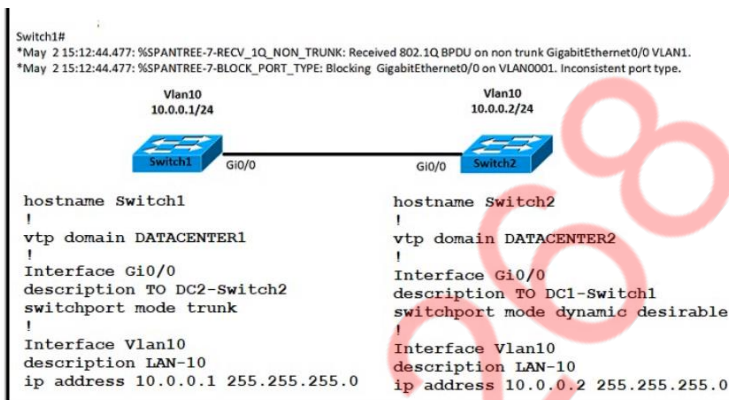
An engineer must configure the strongest password authentication to locally authenticate on a router. Which configuration must be used?

- ☐ `username netadmin secret $1$b1Ju$k406262534QzwXyZ1kSZ2`
- ☒ `username netadmin secret 5 $1$b1Ju$kZbBS1Pyh4QzwXyZ1kSZ2`
- ☐ `line Console 0`
`password $1$b1Ju$`
- ☐ `username netadmin secret 9 $9$vFpMf8elb4RVV8$seZ/bDAx1uV`

What is used to perform QoS packet classification?

- ☐ the Type field in the Layer 2 frame
- ☐ the Flags field in the Layer 3 header
- ☒ the TOS field in the Layer 3 header
- ☐ the Options field in the Layer 3 header

Snapshots were taken on 22th Sep 2021



Refer to the exhibit. An engineer implemented several configuration changes and receives the logging message on Switch1. Which action should the engineer take to resolve this issue?

- ☐ Change Switch1 to switch port mode dynamic desirable.
- ☒ Change the VTP domain to match on both switches.
- ☐ Change Switch1 to switch port mode dynamic auto.
- ☐ Change Switch2 to switch port mode dynamic auto.

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

uses a pull model

uses playbooks

procedural

declarative

Ansible

Puppet

Ansible

uses playbooks

procedural

Puppet

uses a pull model

declarative

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

- ☒ classifies traffic based on the contextual identity of the endpoint rather than its IP address
- ☐ assigns a VLAN to the endpoint
- ☐ classifies traffic based on advanced application recognition
- ☐ uses flexible NetFlow

Which two characteristics define the Intent API provided by Cisco DNA Center? (Choose two.)

- ☒ northbound API
- ☒ business outcome oriented
- ☐ device-oriented
- ☐ southbound API
- ☐ procedural

What is a characteristic of MACsec?

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

A network is being migrated from IPv4 to IPv6 using a dual-stack approach. Network management is already 100% IPv6 enabled. In a dual-stack network with two dual-stack NetFlow collectors, how many flow exporters are needed per network device in the flexible NetFlow configuration?

- ☐ 1
- ☒ 2
- ☐ 4
- ☐ 8

Snapshots were taken on 22th Sep 2021

When using TLS for syslog, which configuration allows for secure and reliable transportation of messages to its default port?

- ☐ logging host 10.2.3.4 vrf mgmt transport udp port 514
- ☐ logging host 10.2.3.4 vrf mgmt transport udp port 6514
- ☒ logging host 10.2.3.4 vrf mgmt transport tcp port 6514
- ☐ logging host 10.2.3.4 vrf mgmt transport tcp port 514

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 OUIs?

- ☐ over the DS
- ☒ adaptive R
- ☐ 802.11v
- ☐ 802.11k

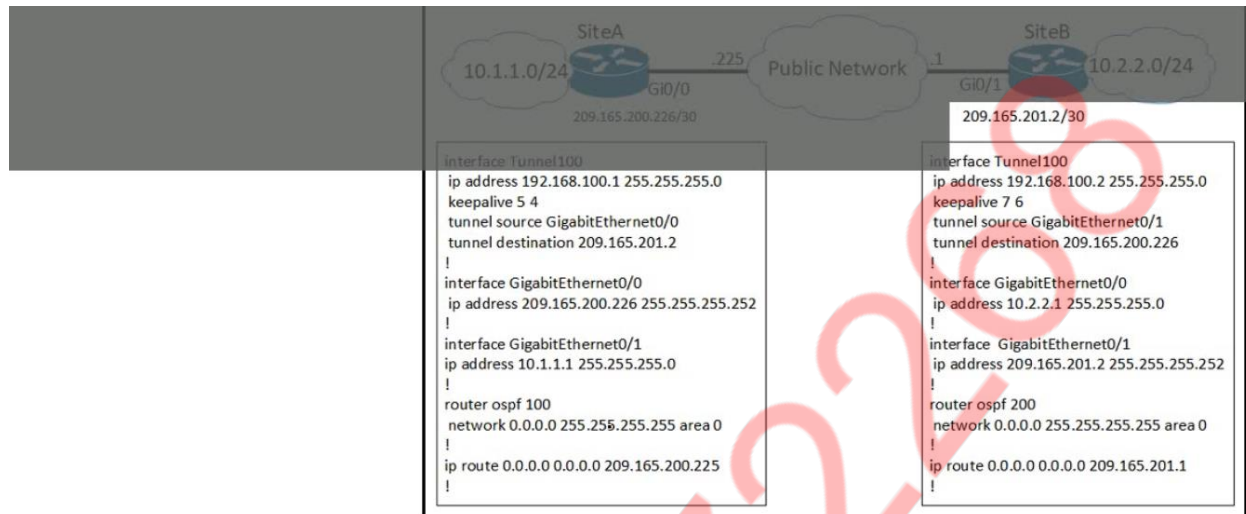
Which DHCP option provides the CAPWAP APs with the address of the wireless controller(s)?

- ☒ 43
- ☐ 66
- ☐ 69
- ☐ 150

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

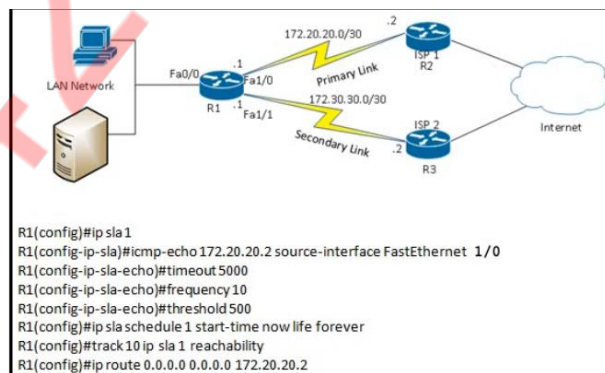
- ☐ intra-VLAN
- ☒ inter-controller
- ☐ intra-controller
- ☐ inter-subnet

Snapshots were taken on 22th Sep 2021



Refer to the exhibit. A network engineer configures a new GRE tunnel and enters the **show run** command. What does the output verify?

- ☐ The tunnel keepalive is configured incorrectly because they must match on both sites.
- ☒ The tunnel destination will be known via the tunnel interface.
- ☐ The tunnel will be established and work as expected.
- ☐ The default MTU of the tunnel interface is 1500 bytes.



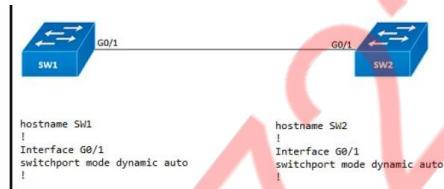
Refer to the exhibit. After implementing the configuration, 172.20.20.2 stops replying to ICMP echos, but the default route fails to be removed. What is the reason for this behavior?

- ☐ The source-interface is configured incorrectly.
- ☐ The destination must be 172.30.30.2 for icmp-echo.
- ☐ The threshold value is wrong.
- ☒ The default route is missing the track feature

Snapshots were taken on 22th Sep 2021

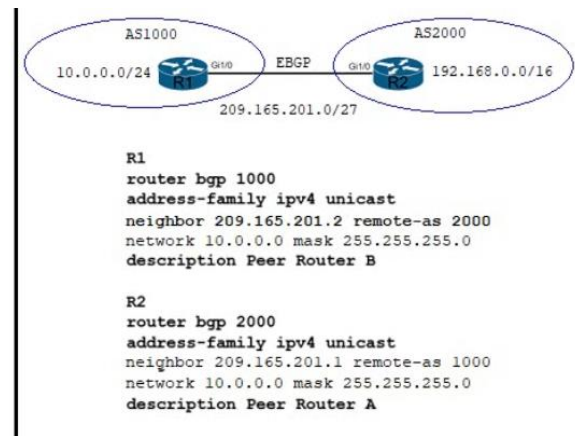
How does the RIB differ from the FIB?

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



Refer to the exhibit. An engineer attempts to configure a trunk between switch SW1 and switch SW2 using DTP, but the trunk does not form. Which command should the engineer apply to switch SW2 to resolve this issue?

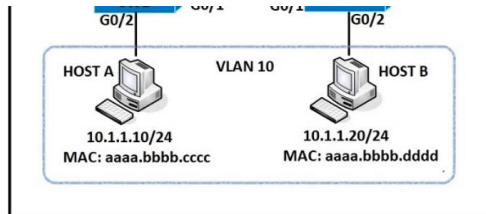
- ☐ switchport mode access
- ☒ switchport mode dynamic desirable
- ☐ switchport nonegotiate
- ☐ no switchport



Refer to the exhibit. Which two commands are needed to allow for full reachability between AS 1000 and AS 2000? (Choose two.)

- ☐ R1
no network 10.0.0.0 mask 255.255.255.0
- ☒ R2
network 209.165.201.0 mask 255.255.192.0
- ☐ R2
network 192.168.0.0 mask 255.255.0.0
- ☐ R1
network 192.168.0.0 mask 255.255.0.0
- ☒ R2
no network 10.0.0.0 mask 255.255.255.0

Snapshots were taken on 22th Sep 2021



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

```
SW1(config)# ip access-list extended DENY-HTTP
SW1(config-ext-nacl)# tcp host 10.1.1.10 host 10.1.1.20 eq www

SW1(config)# ip access-list extended MATCH_ALL
SW1(config-ext-nacl)# ip any any

SW1(config)# vlan access-map HOST-A-B 10
SW1(config-access-map)# match ip address DENY-HTTP
SW1(config-access-map)# 

SW1(config)# vlan access-map HOST-A-B 20
SW1(config-access-map)# match ip address MATCH_ALL
SW1(config-access-map)# 

SW1(config)# vlan filter HOST-A-B vlan 10
```

```
SW1(config)# ip access-list extended DENY-HTTP
SW1(config-ext-nacl)# permit tcp host 10.1.1.10 host 10.1.1.20 eq www

SW1(config)# ip access-list extended MATCH_ALL
SW1(config-ext-nacl)# permit ip any any

SW1(config)# vlan access-map HOST-A-B 10
SW1(config-access-map)# match ip address DENY-HTTP
SW1(config-access-map)# action drop

SW1(config)# vlan access-map HOST-A-B 20
SW1(config-access-map)# match ip address MATCH_ALL
SW1(config-access-map)# action forward

SW1(config)# vlan filter HOST-A-B vlan 10
```

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

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

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

uses virtual links to link an area that does not have a connection to the backbone

hello packets are sent by default every 5 seconds on high-bandwidth links

cost is based on interface bandwidth

metric is calculated using bandwidth and delay by default

EIGRP

OSPF

EIGRP

metric is calculated using bandwidth and delay by default

hello packets are sent by default every 5 seconds on high-bandwidth links

OSPF

cost is based on interface bandwidth

uses virtual links to link an area that does not have a connection to the backbone

A network administrator applies the following configuration to an IOS device:

```
aaa new-model
aaa authentication login default local group tacacs+
```

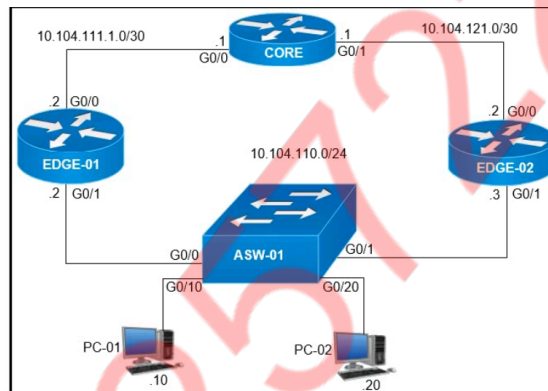
What is the process of password checks when a login attempt is made to the device?

- ☐ A TACACS+ server is checked first. If that check fails, a local database is checked.
- ☒ A TACACS+ server is checked first. If that check fails, a RADIUS server is checked. If that check fails, a local database is checked.
- ☐ A local database is checked first. If that check fails, a TACACS+ server is checked. If that check fails, a RADIUS server is checked.
- ☐ A local database is checked first. If that check fails, a TACACS+ server is checked.

Snapshots were taken on 22th Sep 2021

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

- ☐ virtualization
- ☐ supported systems
- ☒ efficient scalability
- ☐ storage capacity



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

- ☐ G0/0 and G0/1 on Core
- ☐ G0/0 on Edge-01 and G0/0 on Edge-02
- ☒ G0/1 on Edge-01 and G0/1 on Edge-02
- ☐ G0/0 and G0/1 on ASW-01

```
psswd = (base64.b64decode('SzFwM001RzchCg==').decode('utf-8')).strip('\n')
d = datetime.date.today()
date = str(10000*d.year + 100*d.month + d.day)
```

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

- ☐ The code converts time to the "year/month/day" time format.
- ☒ The code converts time to the yyyymmdd representation.
- ☐ The code encrypts a base64 decrypted password.
- ☐ The code converts time to the Epoch LINUX time format.

Snapshots were taken on 22th Sep 2021

Drag and drop the characteristics from the left onto the protocols they apply to on the right.

Characteristics	OSPF	EIGRP
uses Dijkstra's Shortest Path First algorithm		
uses Diffused Update Algorithm		
uses bandwidth, delay, reliability, and load for routing metric		
uses an election process		

OSPF
uses Dijkstra's Shortest Path First algorithm
uses an election process

EIGRP
uses Diffused Update Algorithm
uses bandwidth, delay, reliability, and load for routing metric

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

- ☐ ADD
- ☐ PUSH
- ☐ PULL
- ☐ REMOVE
- ☒ PATCH
- ☒ HEAD

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

- ☐ to connect external Layer 3 networks to the SD-Access fabric
- ☒ to connect wired endpoints to the SD-Access fabric
- ☐ to advertise fabric IP address space to external networks
- ☐ to connect the fusion router to the SD-Access fabric

WLANs > Edit 'Guest_Wireless'

General Security QoS Policy-Mapping Advanced

Layer 2 Layer 3 AAA Servers

Select AAA servers below to override use of default servers on this WLAN

Radius Servers

Radius Server Overwrite interface ☒ Enabled

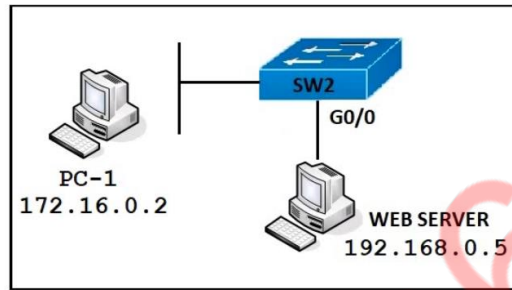
Interface Priority WLAN

Authentication Servers		Accounting Servers	
☒ Enabled		☒ Enabled	
Server 1	None	Server 1	None
Server 2	None	Server 2	None
Server 3	None	Server 3	None
Server 4	None	Server 4	None
Server 5	None	Server 5	None
Server 6	None	Server 6	None

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

- ☒ the interface specified on the WLAN configuration
- ☐ the controller management interface
- ☐ any interface configured on the WLC
- ☐ the controller virtual interface

Snapshots were taken on 22th Sep 2021



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

- ☐ permit tcp host 192.168.0.5 host 172.16.0.2 eq 8080
- ☐ permit tcp host 192.168.0.5 lt 8080 host 172.16.0.2
- ☒ permit tcp host 192.168.0.5 eq 8080 host 172.16.0.2
- ☐ permit tcp host 172.16.0.2 host 192.168.0.5 eq 8080

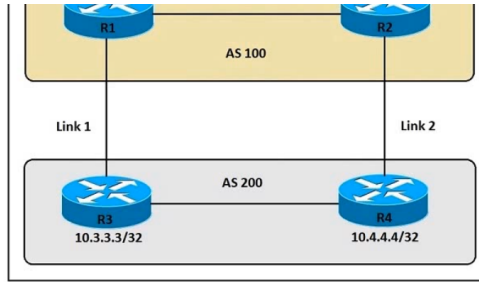
Which TCP setting is tuned to minimize the risk of fragmentation on a GRE/IP tunnel?

- ☐ window size
- ☐ MTU
- ☐ MRU
- ☒ MSS

How do cloud deployments differ from on-premises deployments?

- ☒ Cloud deployments have lower upfront costs than on-premises deployments
- ☐ Cloud deployments require less frequent upgrades than on-premises deployments
- ☐ Cloud deployments require longer implementation times than on-premises deployments
- ☐ Cloud deployments are more customizable than on-premises deployments

Snapshots were taken on 22th Sep 2021



Refer to the exhibit. An engineer must ensure that all traffic entering AS 200 from AS 100 chooses Link 2 as an entry point. Assume that all BGP neighbor relationships have been formed and that the attributes have not been changed on any of the routers. Which configuration accomplishes this task?

- ☐ 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
- ☐ 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
- ☒ 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

Script

```
import ncclient

with ncclient.manager.connect(host='192.168.1.1', port=830, username='root', password='test123!',
    allow_agent=False) as m:
    print(m.get_config('running').data_xml)
```

Output

```
$ python get_config.py
Traceback (most recent call last):
  File "get_config.py", line 3, in <module>
    with ncclient.manager.connect(host='192.168.1.1', port=830, username='root',
AttributeError: 'module' object has no attribute 'manager'
```

Refer to the exhibit. Running the script causes the output in the exhibit. What should be the first line of the script?

- ☒ from ncclient import manager
- ☐ import manager
- ☐ from ncclient import *
- ☐ ncclient manager import

```
Router2# show policy-map control-plane

Control Plane
Service-policy input: CISCO
Class-map: CISCO (match-all)
  20 packets, 11280 bytes
  5 minute offered rate 0 bps, drop rate 0 bps
  Match: access-group 120
  police:
    8000 bps, 1500 limit, 1500 extended limit
    conformed 15 packets, 6210 bytes; action: transmit
    exceeded 5 packets, 5070 bytes; action: drop
    violated 0 packets, 0 bytes; action: drop
    conformed 0 bps, exceed 0 bps, violate 0 bps
Class-map: class-default (match-any)
  105325 packets, 11415151 bytes
  5 minute offered rate 0 bps, drop rate 0 bps
  Match: any
```

Refer to the exhibit. An engineer configures CoPP and enters the **show** command to verify the implementation. What is the result of the configuration?

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

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

- ☐ list of ordered statements that define node configurations and authentication used within the SD-WAN overlay
- ☒ set of statements that defines how data is forwarded based on IP packet information and specific VPNs
- ☐ detailed database mapping several kinds of addresses with their corresponding location
- ☐ group of services tested to guarantee devices and links liveliness within the SD-WAN overlay

```
Name is Bob Johnson
Age is 75
Is alive

Favorite foods are:
• Cereal
• Mustard
• Onions
```

Refer to the exhibit. What is the JSON syntax that is formed from the data?

- ☐ { 'Name': 'Bob Johnson', 'Age': 75, 'Alive': True, 'Favorite Foods': 'Cereal', 'Mustard', 'Onions' }
- ☒ { "Name": "Bob Johnson", "Age": 75, "Alive": true, "Favorite Foods": ["Cereal", "Mustard", "Onions"] }
- ☐ {Name: Bob Johnson, Age: 75, Alive: true, Favorite Foods: [Cereal, Mustard, Onions]}
- ☐ { "Name": "Bob Johnson", "Age": Seventyfive, "Alive": true, "Favorite Foods": ["Cereal", "Mustard", "Onions"] }

Snapshots were taken on 22th Sep 2021

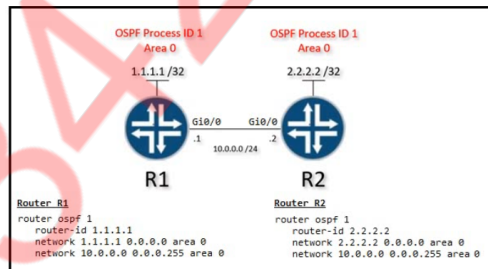
```
interface Vlan10
ip vrf forwarding Customer1
ip address 192.168.1.1 255.255.255.0
!
interface Vlan20
ip vrf forwarding Customer2
ip address 172.16.1.1 255.255.255.0
!
interface Vlan30
ip vrf forwarding Customer3
ip address 10.1.1.1 255.255.255.0
```

Refer to the exhibit. Which configuration allows Customer2 hosts to access the FTP server of Customer1 that has the IP address of 192.168.1.200?

- ☐ ip route vrf Customer1 172.16.1.0 255.255.255.0 172.16.1.1 Customer2
ip route vrf Customer2 192.168.1.200 255.255.255.255 192.168.1.1 Customer1
- ☐ ip route vrf Customer1 172.16.1.1 255.255.255.255 172.16.1.1 global
ip route vrf Customer2 192.168.1.200 255.255.255.0 192.168.1.1 global

ip route 192.168.1.0 255.255.255.0 Vlan10
ip route 172.16.1.0 255.255.255.0 Vlan20
- ☐ ip route vrf Customer1 172.16.1.0 255.255.255.0 172.16.1.1 Customer1
ip route vrf Customer2 192.168.1.200 255.255.255.255 192.168.1.1 Customer2
- ☒ ip route vrf Customer1 172.16.1.0 255.255.255.0 172.16.1.1 global
ip route vrf Customer2 192.168.1.200 255.255.255.255 192.168.1.1 global

ip route 192.168.1.0 255.255.255.0 Vlan10
ip route 172.16.1.0 255.255.255.0 Vlan20



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

- ☐ R1(config-if)interface Gi0/0
R1(config-if)#ip ospf network broadcast

R2(config-if)interface Gi0/0
R2(config-if)#ip ospf network broadcast
- ☒ R1(config-if)interface Gi0/0
R1(config-if)#ip ospf network point-to-point

R2(config-if)interface Gi0/0
R2(config-if)#ip ospf network point-to-point
- ☐ R1(config-if)interface Gi0/0
R1(config-if)#ip ospf priority 1

R2(config-if)interface Gi0/0
R2(config-if)#ip ospf priority 1
- ☐ R1(config-if)interface Gi0/0
R1(config-if)#ip ospf database-filter all out

R2(config-if)interface Gi0/0
R2(config-if)#ip ospf database-filter all out

```
R1#show crypto isakmp sa
IPv4 Crypto ISAKMP SA
dst          src          state      conn-id  status
209.165.201.6 209.165.201.1 QM_IDLE    1001     ACTIVE
```

Refer to the exhibit. After configuring an IPsec VPN, an engineer enters the **show** command to verify the ISAKMP SA status. What does the status show?

☒ ISAKMP SA is authenticated and can be used for Quick Mode.

☐ Peers have exchanged keys, but ISAKMP SA remains unauthenticated.

☐ VPN peers agreed on parameters for the ISAKMP SA.

☐ ISAKMP SA has been created, but it has not continued to form.

What are two benefits of YANG? (Choose two.)

☐ It enables multiple leaf statements to exist within a leaf list.

☒ It enforces configuration constraints.

☒ It enforces the use of a specific encoding format for NETCONF.

☐ It enforces configuration semantics.

☐ It collects statistical constraint analysis information.

Which component of the Cisco Cyber Threat Defense solution provides user and flow context analysis?

☐ Cisco Firepower and FireSIGHT

☒ Cisco Stealthwatch system

☐ Advanced Malware Protection

☐ Cisco Web Security Appliance

Snapshots were taken on 22th Sep 2021

Drag and drop the characteristics of PIM Dense Mode from the left to the right. Not all options are used.

2

builds source-based distribution trees

uses a push model to distribute multicast traffic

uses a pull model to distribute multicast traffic

uses prune mechanisms to stop unwanted multicast traffic

builds shared distribution trees

requires a rendezvous point to deliver multicast traffic

PIM Dense Mode

uses a pull model to distribute multicast traffic

builds shared distribution trees

requires a rendezvous point to deliver multicast traffic

PIM Dense Mode

builds source-based distribution trees

uses a push model to distribute multicast traffic

uses prune mechanisms to stop unwanted multicast traffic

Snapshots were taken on 22th Sep 2021

```
Router# traceroute 10.10.10.1
```

```
Type escape sequence to abort.  
Tracing the route to 10.10.10.1
```

```
 1  10.0.0.1  5 msec  5 msec  5 msec  
 2  10.5.0.1 15 msec 17 msec 17 msec  
 3  10.10.10.1 *      *      *
```

Refer to the exhibit. An engineer is troubleshooting a connectivity issue and executes a traceroute. What does the result confirm?

- ☐ The protocol is unreachable.
- ☒ The probe timed out.
- ☐ The destination port is unreachable.
- ☐ The destination server reported it is too busy.

Drag and drop the solutions that comprise Cisco Cyber Threat Defense from the left onto the objectives they accomplish on the right.

✓

StealthWatch

Identity Services Engine

Web Security Appliance

detects suspicious web activity

analyzes network behavior and detects anomalies

uses pxGrid to remediate security threats

Web Security Appliance

StealthWatch

Identity Services Engine

Snapshots were taken on 22th Sep 2021

What are two differences between the RIB and the FIB? (Choose two.)

- ☒ The RIB is a database of routing prefixes, and the FIB is the information used to choose the egress interface for each packet.
- ☐ FIB is a database of routing prefixes, and the RIB is the information used to choose the egress interface for each packet.
- ☐ The FIB is derived from the data plane, and the RIB is derived from the FIB.
- ☐ The FIB is derived from the control plane, and the RIB is derived from the FIB.
- ☒ The RIB is derived from the control plane, and the FIB is derived from the RIB.

Which Cisco DNA Center application is responsible for group-based access control permissions?

- ☐ Provision
- ☐ Design
- ☒ Policy
- ☐ Assurance

```
username admin privilege 15 password 0 Cisco13579!  
aaa new-model  
!  
aaa authentication login default local  
aaa authentication enable default none  
!  
aaa common-criteria policy Administrators  
min-length 1  
max-length 127  
char-changes 4  
lifetime month 2  
!
```

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?

- ☐ No further action is required. The configuration is complete.
- ☐ The password expiry mechanism is on the AAA server and must be configured there.
- ☐ Add the `aaa authentication enable default Administrators` command.
- ☒ Add the `username admin privilege 15 common-criteria-policy Administrators password 0 Cisco13579!` command.

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 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*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 VTY group tacacs+ none
aaa session-id common
- R1#**sh run | section vty**
line vty 0 4
password 7 02050D480809

Snapshots were taken on 22th Sep 2021

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?

- ☐ Change the HSRP virtual address on the remote router to 10.1.1.1.
- ☐ Change the HSRP group configuration on the local router to 1.
- ☒ Change the HSRP virtual address on the local router to 10.1.1.1.
- ☐ Change the HSRP group configuration on the remote router to 1.

The screenshot shows the Cisco IOS configuration interface for WLAN security settings. The 'Security' tab is selected, and the 'Layer 3' sub-tab is active. The 'Fast Transition' section has 'Fast Transition' disabled. The 'Protected Management Frame' section has 'PMF' set to 'Disabled'. The 'WPA+WPA2 Parameters' section has 'WPA Policy' disabled and 'WPA2 Policy-AES' enabled. The 'Authentication Key Management' section has '802.1X', 'CCKM', 'FT 802.1X', and 'FT PSK' all disabled, while 'PSK' is enabled. The 'PSK Format' is set to 'ASCII'.

Refer to the exhibit. Based on the configuration in this WLAN security setting, which method can a client use to authenticate to the network?

- ☐ username and password
- ☐ certificate
- ☐ RADIUS token
- ☒ text string

Snapshots were taken on 22th Sep 2021

```
Router#show ip ospf interface
GigabitEthernet0/1.40 is up, line protocol is up
Internet Address 10.3.5.254/24, Area 0, Attached via Network Statement
Process ID 1, Router ID 172.16.11.29, Network Type BROADCAST, Cost: 1
Topology-MTID      Cost      Disabled      Shutdown      Topology Name
  0                1          no            no            Base
Transmit Delay is 1 sec, State DR, Priority 1
Designated Router (ID) 172.16.11.29, Interface address 10.3.5.254
No backup designated router on this network
Timer intervals configured, Hello 10, Dead 40, Wait 40, Retransmit 5
  oob-resync timeout 40
  No Hellos (Passive interface)
  Supports Link-local Signaling (LLS)
  ! lines omitted for brevity
GigabitEthernet0/1 is up, line protocol is up
Internet Address 172.16.30.1/24, Area 0, Attached via Network Statement
Process ID 1, Router ID 172.16.11.29, Network Type BROADCAST, Cost: 1
Topology-MTID      Cost      Disabled      Shutdown      Topology Name
  0                1          no            no            Base
Transmit Delay is 1 sec, State DR, Priority 1
Designated Router (ID) 172.16.11.29, Interface address 172.16.30.1
No backup designated router on this network
Timer intervals configured, Hello 10, Dead 40, Wait 40, Retransmit 5
  oob-resync timeout 40
  No Hellos (Passive interface)
  Supports Link-local Signaling (LLS)
  ! lines omitted for brevity
GigabitEthernet0/0 is up, line protocol is up
Internet Address 172.16.11.29/24, Area 0, Attached via Network Statement
Process ID 1, Router ID 172.16.11.29, Network Type BROADCAST, Cost: 1
Topology-MTID      Cost      Disabled      Shutdown      Topology Name
  0                1          no            no            Base
Transmit Delay is 1 sec, State DROTHER, Priority 1
Designated Router (ID) 172.16.11.27, Interface address 172.16.11.27
Backup Designated router (ID) 172.16.11.30, Interface address 172.16.11.30
Timer intervals configured, Hello 10, Dead 40, Wait 40, Retransmit 5
  oob-resync timeout 40
  Hello due in 00:00:07
  Supports Link-local Signaling (LLS)
  ! lines omitted for brevity
```

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

- ☒ only GigabitEthernet0/0
- ☐ GigabitEthernet0/0 and GigabitEthernet0/1
- ☐ only GigabitEthernet0/1
- ☐ GigabitEthernet0/1 and GigabitEthernet0/1.40

What is a characteristic of a virtual machine?

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

Snapshots were taken on 22th Sep 2021

An engineer must update the local web authentication details on a Cisco 5520 WLC. The engineer has one active SSID configured for web authentication and plans to update the virtual interface with a nonroutable IP address. Which command must the engineer apply?

- ☐ config interface address virtual 192.0.2.1
- ☐ config interface address virtual 1.1.1.1
- ☒ config interface address dynamic-interface virtual 192.0.2.1
- ☐ config wlan create wlan_idname

Which LISP component is required for a LISP site to communicate with a non-LISP site?

- ☐ Proxy ITR
- ☐ ETR
- ☐ ITR
- ☒ Proxy ETR

What is the function of a VTEP in VXLAN?

- ☐ provide the routing underlay and overlay for VXLAN headers
- ☐ dynamically discover the location of end hosts in a VXLAN fabric
- ☒ encapsulate and de-encapsulate traffic into and out of the VXLAN fabric
- ☐ statically point to end host locations of the VXLAN fabric