

## 200-301 Dumps

### Cisco Certified Network Associate

<https://www.certleader.com/200-301-dumps.html>



#### NEW QUESTION 1

Which command prevents passwords from being stored in the configuration as plain text on a router or switch?

- A. enable secret
- B. service password-encryption
- C. username Cisco password encrypt
- D. enable password

**Answer: B**

#### NEW QUESTION 2

Which set of action satisfy the requirement for multifactor authentication?

- A. The user swipes a key fob, then clicks through an email link
- B. The user enters a user name and password, and then clicks a notification in an authentication app on a mobile device
- C. The user enters a PIN into an RSA token, and then enters the displayed RSA key on a login screen
- D. The user enters a user name and password and then re-enters the credentials on a second screen

**Answer: A**

#### NEW QUESTION 3

Which two capacities of Cisco DNA Center make it more extensible? (Choose two)

- A. adapters that support all families of Cisco IOS software
- B. SDKs that support interaction with third-party network equipment
- C. customized versions for small, medium, and large enterprises
- D. REST APIs that allow for external applications to interact natively with Cisco DNA Center
- E. modular design that is upgradable as needed

**Answer: BD**

#### NEW QUESTION 4

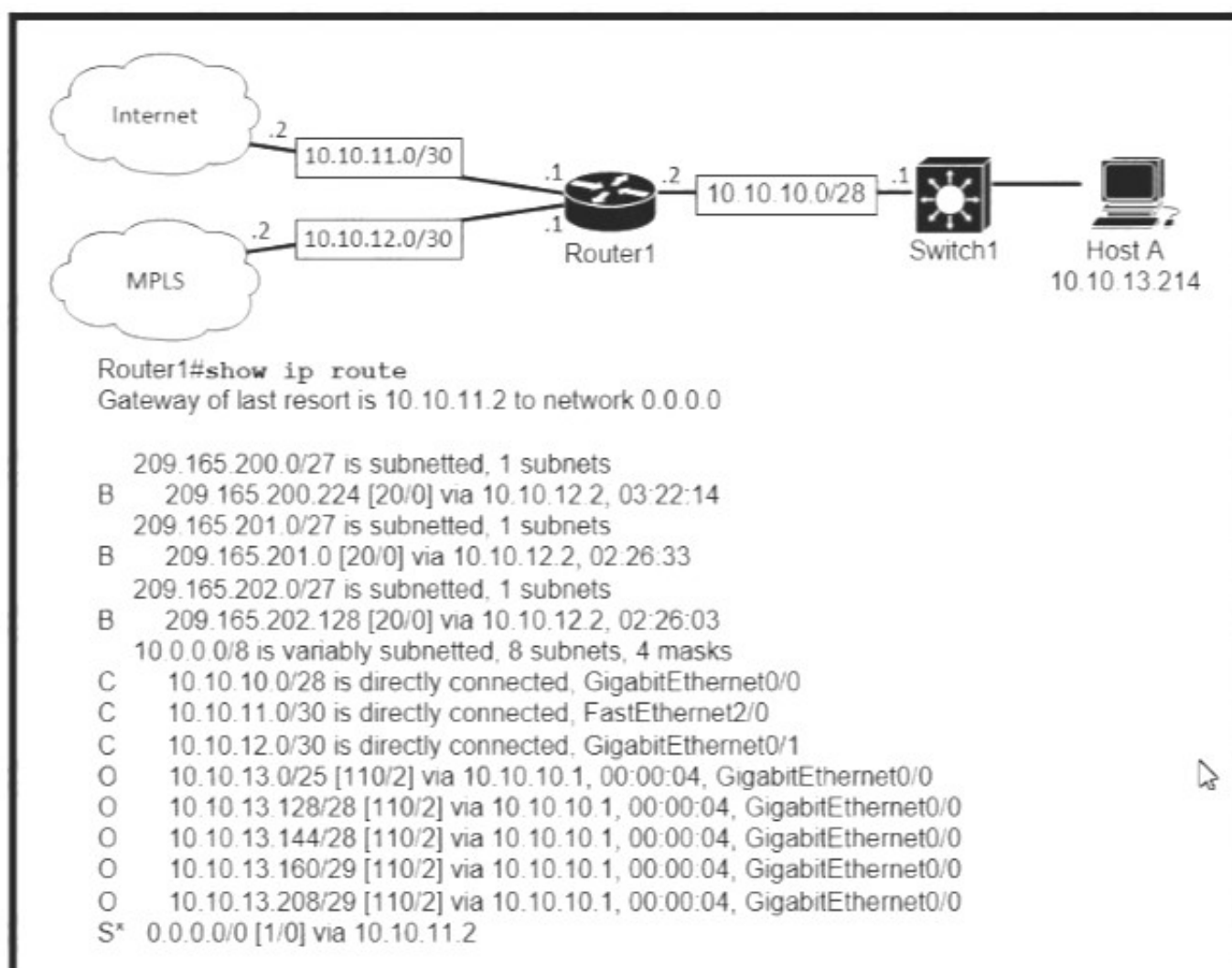
Which type of wireless encryption is used for WPA2 in preshared key mode?

- A. TKIP with RC4
- B. RC4
- C. AES-128
- D. AES-256

**Answer: D**

#### NEW QUESTION 5

Refer to the exhibit.



Which prefix does Router 1 use for traffic to Host A?

- A. 10.10.10.0/28

- B. 10.10.13.0/25
- C. 10.10.13.144/28
- D. 10.10.13.208/29

**Answer:** C

#### NEW QUESTION 6

in Which way does a spine and-leaf architecture allow for scalability in a network when additional access ports are required?

- A. A spine switch and a leaf switch can be added with redundant connections between them
- B. A spine switch can be added with at least 40 GB uplinks
- C. A leaf switch can be added with a single connection to a core spine switch.
- D. A leaf switch can be added with connections to every spine switch

**Answer:** D

#### NEW QUESTION 7

Which two actions are performed by the Weighted Random Early Detection mechanism? (Choose two)

- A. It drops lower-priority packets before it drops higher-priority packets
- B. It can identify different flows with a high level of granularity
- C. It guarantees the delivery of high-priority packets
- D. It can mitigate congestion by preventing the queue from filling up
- E. IT supports protocol discovery

**Answer:** BD

#### NEW QUESTION 8

A frame that enters a switch fails the Frame Check Sequence. Which two interface counters are incremented? (Choose two)

- A. runts
- B. giants
- C. frame
- D. CRC
- E. input errors

**Answer:** DE

#### NEW QUESTION 9

How do TCP and UDP differ in the way that they establish a connection between two endpoints?

- A. TCP uses synchronization packets, and UDP uses acknowledgment packets.
- B. UDP uses SYN, SYN ACK and FIN bits in the frame header while TCP uses SYN, SYN ACK and ACK bits
- C. UDP provides reliable message transfer and TCP is a connectionless protocol
- D. TCP uses the three-way handshake and UDP does not guarantee message delivery

**Answer:** D

#### NEW QUESTION 10

Refer to the exhibit.

```
Atlanta#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Atlanta(config)#aaa new-model
Atlanta(config)#aaa authentication login default local
Atlanta(config)#line vty 0 4
Atlanta(config-line)#login authentication default
Atlanta(config-line)#exit
Atlanta(config)#username ciscoadmin password adminadmin123
Atlanta(config)#username ciscoadmin privilege 15
Atlanta(config)#enable password cisco123
Atlanta(config)#enable secret testing1234
Atlanta(config)#end
```

Which password must an engineer use to enter the enable mode?

- A. adminadmin123
- B. default
- C. testing 1234
- D. cisco123

**Answer:** C

#### NEW QUESTION 10

Which configuration is needed to generate an RSA key for SSH on a router?

- A. Configure the version of SSH
- B. Configure VTY access.
- C. Create a user with a password.
- D. Assign a DNS domain name

Answer: B

**NEW QUESTION 15**

Which output displays a JSON data representation?

- ☐ {  
 "response": {  
 "taskId": {},  
 "url": "string"  
 },  
 "version": "string"  
}
- ☐ {  
 "response": {  
 "taskId": {},  
 "url": "string"  
 },  
 "version": "string"  
}
- ☐ {  
 "response": {  
 "taskId": {},  
 "url": "string"  
 },  
 "version": "string"  
}
- ☐ {  
 "response": {  
 "taskId": {},  
 "url": "string"  
 },  
 "version": "string"  
}

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

Answer: C

**NEW QUESTION 20**

What is the primary different between AAA authentication and authorization?

- A. Authentication verifies a username and password, and authorization handles the communication between the authentication agent and the user database.  
B. Authentication identifies a user who is attempting to access a system, and authorization validates the users password  
C. Authentication identifies and verifies a user who is attempting to access a system, and authorization controls the tasks the user can perform.  
D. Authentication controls the system processes a user can access and authorization logs the activities the user initiates

Answer: C

**NEW QUESTION 22**

Drag and drop the threat-mitigation techniques from the left onto the types of threat or attack they mitigate on the right.  
check the answer below.

Configure VACL.	
Configure dynamic ARP inspection.	
Configure BPDU guard.	
Configure root guard.	

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Configure VACL.
Configure dynamic ARP inspection.
Configure BPDU guard.
Configure root guard.

**NEW QUESTION 25**

An engineer must configure a /30 subnet between two routers. Which usable IP address and subnet mask combination meets this criteria?

```
interface e0/0
description to HQ-A371:10975
ip address 172.16.1.4 255.255.255.248
```

```
interface e0/0
description to HQ-A371:10975
ip address 10.2.1.3 255.255.255.252
```

```
interface e0/0
description to HQ-A371:10975
ip address 192.168.1.1 255.255.255.248
```

```
interface e0/0
description to HQ-A371:10975
ip address 209.165.201.2 255.255.255.252
```

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

**Answer:** C

**NEW QUESTION 28**

Which attribute does a router use to select the best path when two or more different routes to the same destination exist from two different routing protocols.

- A. dual algorithm
- B. metric
- C. administrative distance
- D. hop count

**Answer:** D

**NEW QUESTION 29**

Refer to Exhibit.

```
SW2
vtp domain cisco
vtp mode transparent
vtp password ciscotest
interface fastethernet0/1
description connection to sw1
switchport mode trunk
switchport trunk encapsulation dot1q
```

How does SW2 interact with other switches in this VTP domain?

- A. It processes VTP updates from any VTP clients on the network on its access ports.
- B. It receives updates from all VTP servers and forwards all locally configured VLANs out all trunk ports
- C. It forwards only the VTP advertisements that it receives on its trunk ports.
- D. It transmits and processes VTP updates from any VTP Clients on the network on its trunk ports

**Answer:** C

**NEW QUESTION 34**



Which two encoding methods are supported by REST APIs? (Choose two)

- A. YAML
- B. JSON
- C. EBCDIC
- D. SGML
- E. XML

**Answer:** AE

**NEW QUESTION 37**

Drag and drop the Cisco Wireless LAN Controller security settings from the left onto the correct security mechanism categories on the right.

web policy	<b>Layer 2 Security Mechanisms</b>
Passthrough	
WPA+WPA2	
802.1X	<b>Layer 3 Security Mechanisms (for WLAN)</b>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

web policy	<b>Layer 2 Security Mechanisms</b>
Passthrough	Passthrough
WPA+WPA2	802.1X
802.1X	<b>Layer 3 Security Mechanisms (for WLAN)</b>
	WPA+WPA2
	web policy

**NEW QUESTION 40**

Router A learns the same route from two different neighbors, one of the neighbor routers is an OSPF neighbor and the other is an EIGRP neighbor. What is the administrative distance of the route that will be installed in the routing table?

- A. 20
- B. 90
- C. 110
- D. 115

**Answer:** B

**NEW QUESTION 45**

Refer to the exhibit.

```
R2#show ip nat translations
Pro Inside global      Inside local  Outside local  Outside global
tcp 172.23.104.3:43268 10.4.4.4:43268 172.23.103.10:23 172.23.103.10:23
tcp 172.23.104.4:45507 10.4.4.5:45507 172.23.103.10:80 172.23.103.10:80
```

An engineer configured NAT translations and has verified that the configuration is correct. Which IP address is the source IP?

- A. 10.4.4.4
- B. 10.4.4.5
- C. 172.23.103.10
- D. 172.23.104.4

**Answer: C**

#### NEW QUESTION 49

Which IPv6 address block sends packets to a group address rather than a single address?

- A. 2000::/3
- B. FC00::/7
- C. FE80::/10
- D. FF00::/8

**Answer: C**

#### NEW QUESTION 52

Drag and drop the AAA functions from the left onto the correct AAA services on the right

	Authentication
records user activities	
restricts the services that are available to a user	

	Authorization
identifies the user	
controls the actions that a user can perform	

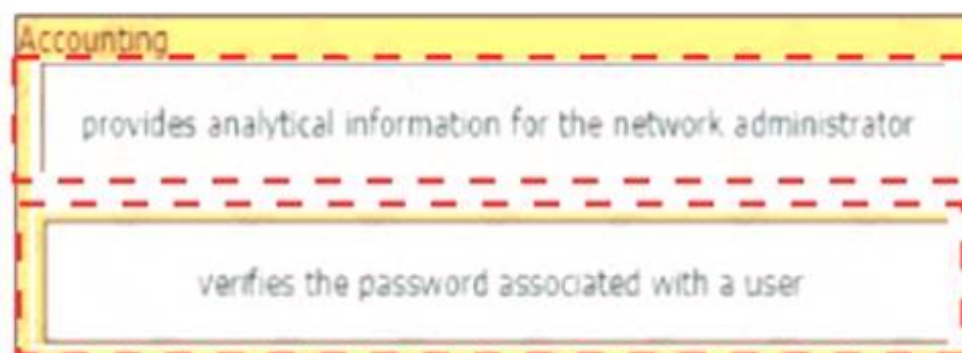
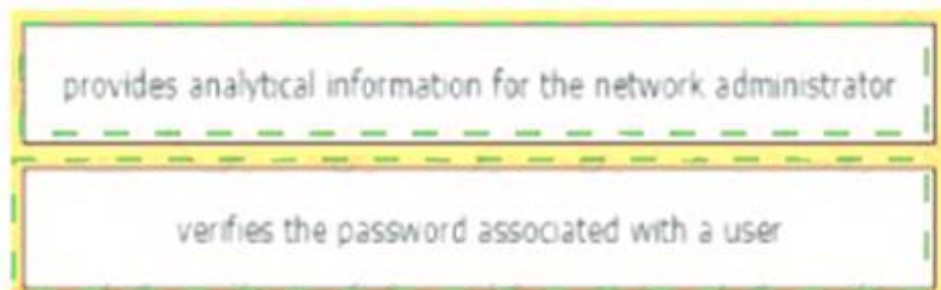
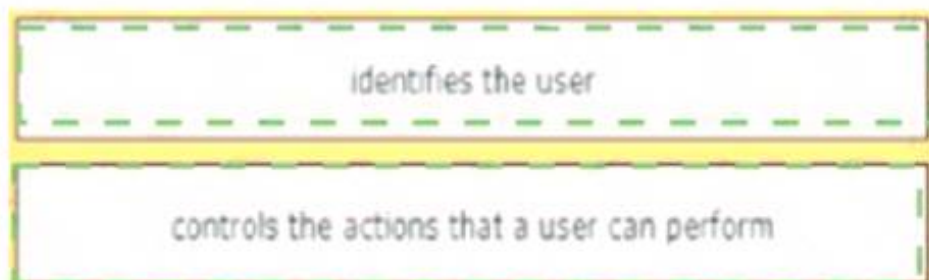
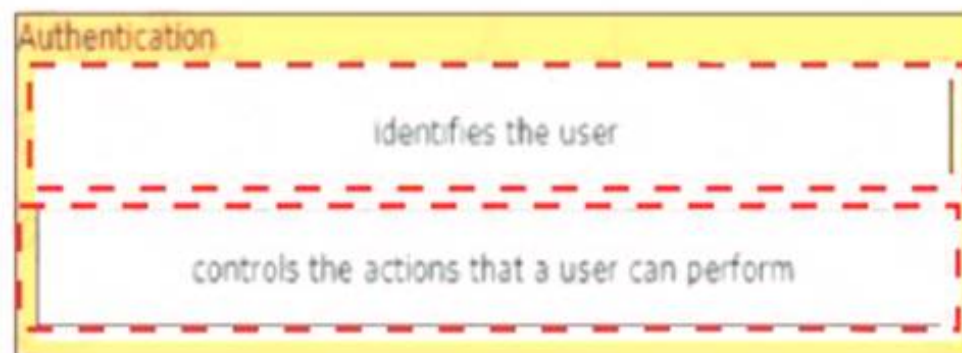
  

	Accounting
provides analytical information for the network administrator	
verifies the password associated with a user	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**



**NEW QUESTION 56**

Which two values or settings must be entered when configuring a new WLAN in the Cisco Wireless LAN Controller GUI? (Choose two)

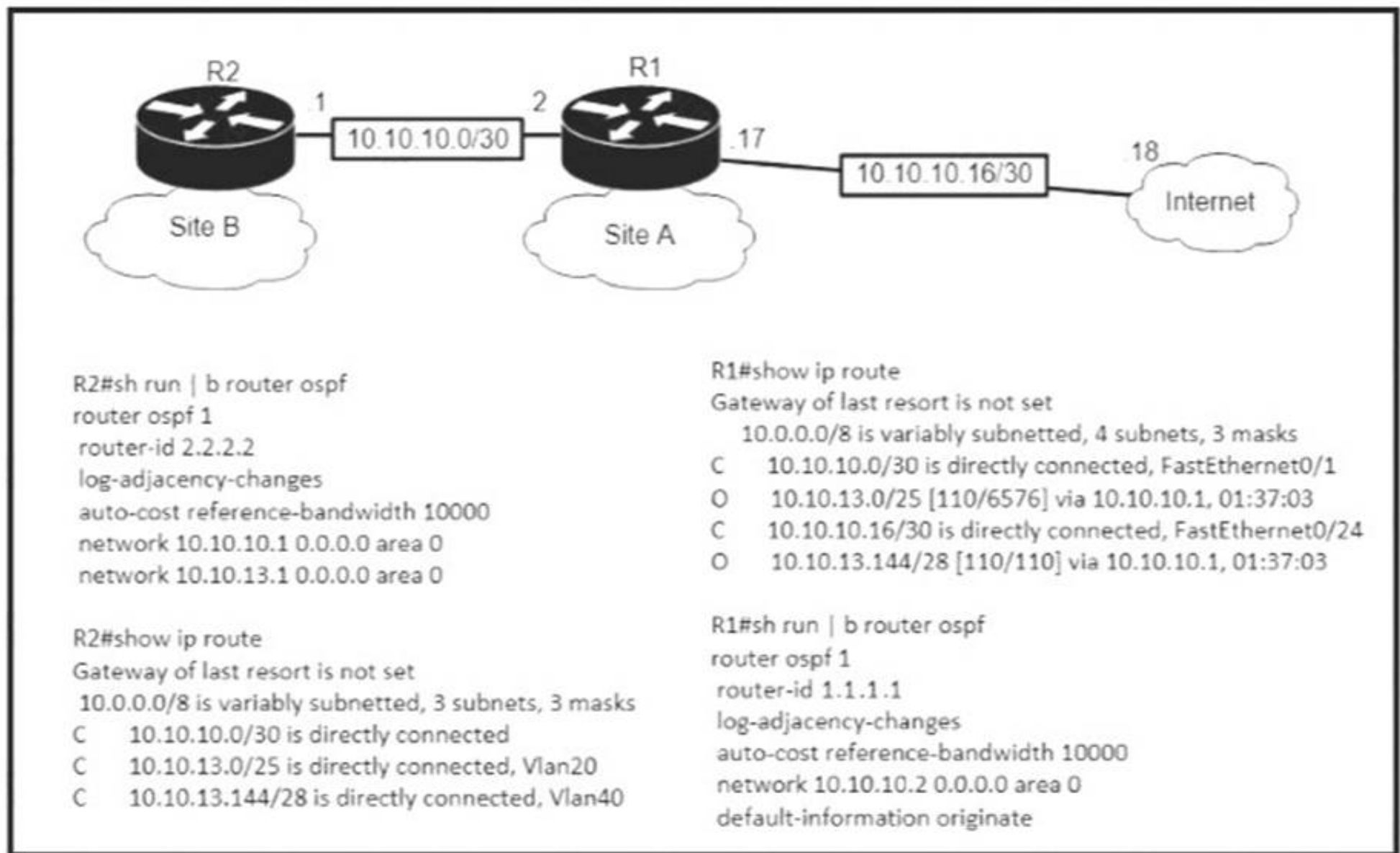
- A. management interface settings
- B. QoS settings
- C. Ip address of one or more access points
- D. SSID
- E. Profile name

**Answer:** DE

**NEW QUESTION 57**

Refer to the exhibit.





An engineer is bringing up a new circuit to the MPLS provider on the Gi0/1 interface of Router1. The new circuit uses eBGP and teams the route to VLAN25 from the BGP path. What is the expected behavior for the traffic flow for route 10.10.13.0/25?

- A. Traffic to 10.10.13.0/25 is load balanced out of multiple interfaces
- B. Route 10.10.13.0/25 is updated in the routing table as being learned from interface Gi0/1.
- C. Traffic to 10.10.13.0/25 is asymmetrical
- D. Route 10.10.13.0/25 learned via the Gi0/0 interface remains in the routing table

**Answer: D**

#### NEW QUESTION 62

Two switches are connected and using Cisco Dynamic Trunking Protocol. SW1 is set to Dynamic Desirable. What is the result of this configuration?

- A. The link is in a down state.
- B. The link is in an error disabled state.
- C. The link becomes an access port.
- D. The link becomes a trunk port.

**Answer: D**

#### NEW QUESTION 65

Which feature on the Cisco Wireless LAN Controller when enabled restricts management access from specific networks?

- A. CPUACL
- B. TACACS
- C. Flex ACL
- D. RADIUS

**Answer: B**

#### NEW QUESTION 68

A user configured OSPF and advertised the Gigabit Ethernet interface in OSPF. By default, which type of OSPF network does this interface belong to?

- A. point-to-multipoint
- B. point-to-point
- C. broadcast
- D. nonbroadcast

**Answer: B**

#### NEW QUESTION 70

An organization has decided to start using cloud-provided services. Which cloud service allows the organization to install its own operating system on a virtual machine?

- A. platform-as-a-service
- B. software-as-a-service
- C. network-as-a-service
- D. infrastructure-as-a-service

**Answer:** D

#### NEW QUESTION 71

Which two outcomes are predictable behaviors for HSRP? (Choose two)

- A. The two routers share a virtual IP address that is used as the default gateway for devices on the LAN.
- B. The two routers negotiate one router as the active router and the other as the standby router
- C. Each router has a different IP address both routers act as the default gateway on the LAN, and traffic is load balanced between them.
- D. The two routers synchronize configurations to provide consistent packet forwarding
- D. The two routers share the same IP address, and default gateway traffic is load-balanced between them

**Answer:** AB

#### NEW QUESTION 73

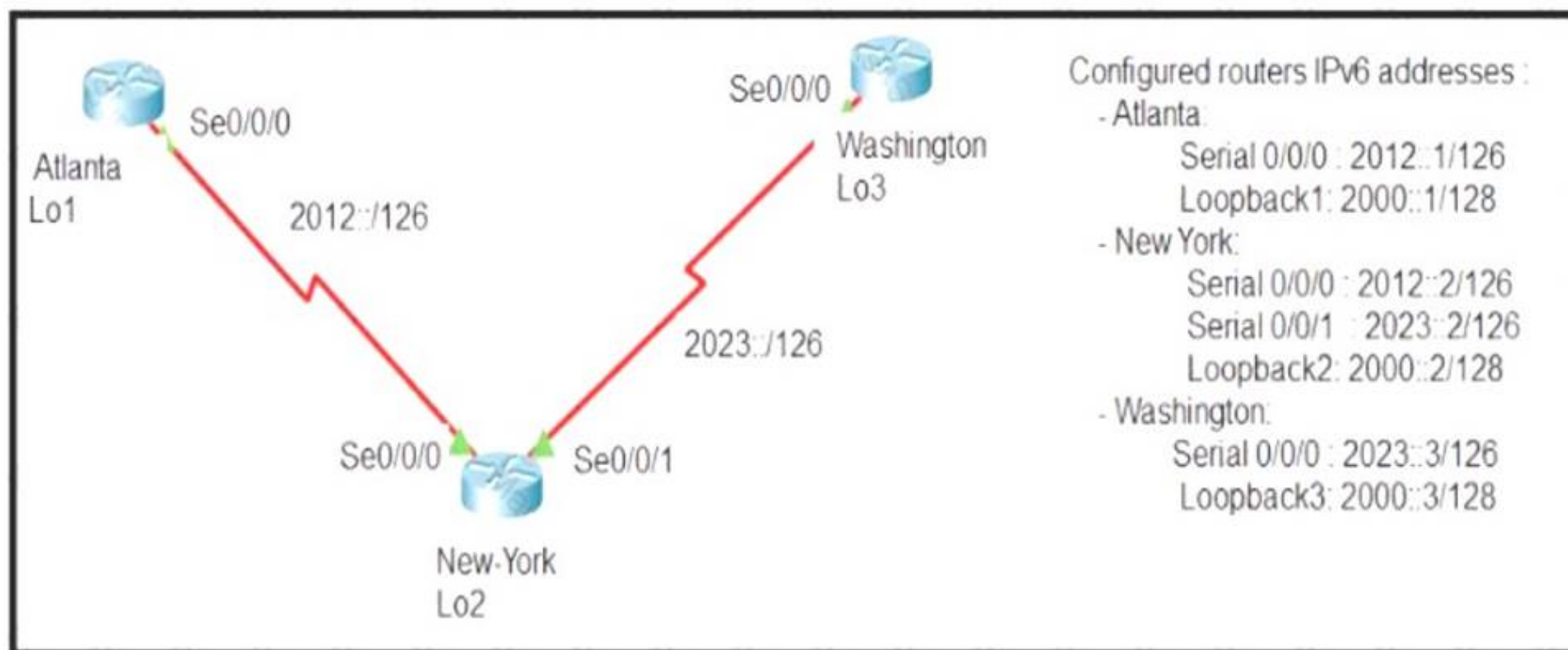
Which 802.11 frame type is association response?

- A. management
- B. protected frame
- C. control
- D. action

**Answer:** B

#### NEW QUESTION 78

Refer to the exhibit.



The New York router is configured with static routes pointing to the Atlanta and Washington sites. Which two tasks must be performed so that the Serial0/0/0 interfaces on the Atlanta and Washington routers can reach one another? (Choose two.)

- A. Configure the ipv6 route 2012::/126 2023::1 command on the Washington router
- B. Configure the ipv6 route 2023::/126 2012::1 command on the Atlanta router.
- C. Configure the Ipv6 route 2012::/126 s0/0/0 command on the Atlanta router
- D. Configure the ipv6 route 2023::/126 2012::2 command on the Atlanta router
- E. Configure the ipv6 route 2012::/126 2023::2 command on the Washington router

**Answer:** CE

#### NEW QUESTION 80

Which result occurs when PortFast is enabled on an interface that is connected to another switch?

- A. Spanning tree may fail to detect a switching loop in the network that causes broadcast storms
- B. VTP is allowed to propagate VLAN configuration information from switch to switch automatically.
- C. Root port choice and spanning tree recalculation are accelerated when a switch link goes down
- D. After spanning tree converges PortFast shuts down any port that receives BPDUs.

**Answer:** A

#### NEW QUESTION 82

Refer to exhibit.

```
Router(config)#interface GigabitEthernet 1/0/1
Router(config-if)#ip address 192.168.16.143 255.255.255.240
Bad mask /28 for address 192.168.16.143
```

Which statement explains the configuration error message that is received?

- A. It is a broadcast IP address
- B. The router does not support /28 mask.
- C. It belongs to a private IP address range.
- D. IT is a network IP address.

**Answer: A**

#### NEW QUESTION 83

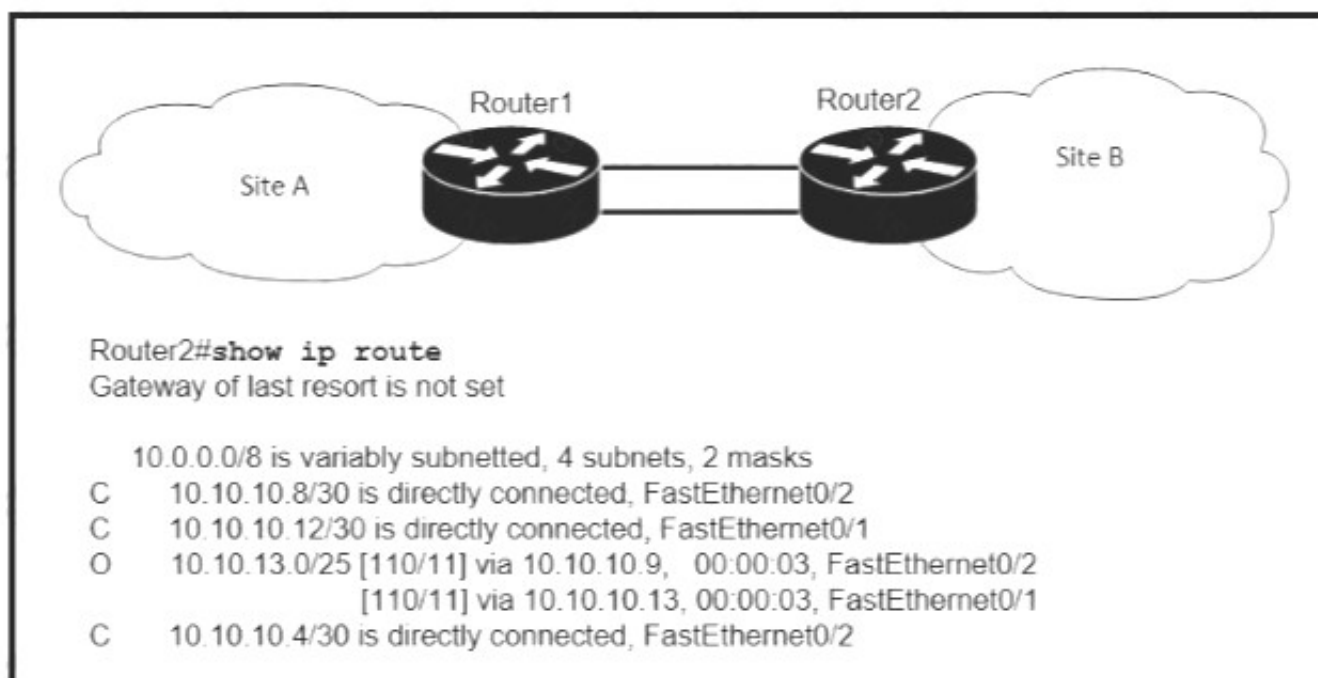
Which network allows devices to communicate without the need to access the Internet?

- A. 1729.0.0/16
- B. 172.28.0.0/16
- C. 192.0.0.0/8
- D. 209.165.201.0/24

**Answer: D**

#### NEW QUESTION 85

Refer to the exhibit.



If OSPF is running on this network, how does Router 2 handle traffic from Site B to 10.10.13/25 at Site A?

- A. It sends packets out of interface Fa0/2 only.
- B. It sends packets out of interface Fa0/1 only.
- C. It cannot send packets to 10.10.13 128/25
- D. It load-balances traffic out of Fa0/1 and Fa0/2

**Answer: D**

#### NEW QUESTION 87

Drag drop the descriptions from the left onto the correct configuration-management technologies on the right.

fundamental configuration elements are stored in a manifest

uses TCP port 10002 for configuration push jobs

uses Ruby for fundamental configuration elements

uses SSH for remote device communication

uses TCP 8140 for communication

uses YAML for fundamental configuration elements

Ansible

Chef

Puppet

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

fundamental configuration elements are stored in a manifest

uses TCP port 10002 for configuration push jobs

uses Ruby for fundamental configuration elements

uses SSH for remote device communication

uses TCP 8140 for communication

uses YAML for fundamental configuration elements

Ansible

uses TCP port 10002 for configuration push jobs

uses TCP 8140 for communication

Chef

uses Ruby for fundamental configuration elements

uses SSH for remote device communication

Puppet

uses YAML for fundamental configuration elements

fundamental configuration elements are stored in a manifest

#### NEW QUESTION 88

Which mode must be used to configure EtherChannel between two switches without using a negotiation protocol?

- A. on
- B. auto
- C. active
- D. desirable

**Answer:** D

#### NEW QUESTION 89

A router running EIGRP has learned the same route from two different paths Which parameter does the router use to select the best path?



- A. cost
- B. administrative distance
- C. metric
- D. as-path

**Answer:** C

#### NEW QUESTION 90

R1 has learned route 192.168.12.0/24 via IS-IS. OSPF, RIP, and Internal EIGRP Under normal operating conditions, which routing protocol is installed in the routing table?

- A. IS-IS
- B. RIP
- C. Internal EIGRP
- D. OSPF

**Answer:** C

#### NEW QUESTION 93

Which MAC address is recognized as a VRRP virtual address?

- A. 0000.5E00.010a
- B. 0005.3711.0975
- C. 0000.0C07.AC99
- D. 0007.C070/AB01

**Answer:** A

#### NEW QUESTION 95

Which statement correctly compares traditional networks and controller-based networks?

- A. Only traditional networks offer a centralized control plane
- B. Only traditional networks natively support centralized management
- C. Traditional and controller-based networks abstract policies from device configurations
- D. Only controller-based networks decouple the control plane and the data plane

**Answer:** C

#### NEW QUESTION 98

Refer to the exhibit.

```
R1# show ip route | begin gateway
Gateway of last resort is 209.165.200.246 to network 0.0.0.0
S* 0.0.0.0/0 [1/0] via 209.165.200.246, Serial0/1/0
   is directly connected, Serial0/1/0
   172.16.0.0/16 is variably subnetted, 3 subnets, 3 masks
S   172.16.0.0/24 [1/0] via 207.165.200.250, Serial0/0/0
O   172.16.0.128/25 [110/38443] via 207.165.200.254, 00:00:23, Serial0/0/1
D   172.16.0.192/29 [90/3184439] via 207.165.200.254, 00:00:25, Serial0/0/1
   209.165.200.0/24 is variably subnetted, 4 subnets, 2 masks
C   209.165.200.248/30 is directly connected, Serial0/0/0
L   209.165.200.249/32 is directly connected, Serial0/0/0
C   209.165.200.252/30 is directly connected, Serial0/0/1
L   209.165.200.253/32 is directly connected, Serial0/0/1
```

With which metric was the route to host 172.16.0.202 learned?

- A. 110
- B. 38443
- C. 3184439

**Answer:** C

#### NEW QUESTION 100

Drag and drop the WLAN components from the left onto the correct descriptions on the right.

access point
virtual interface
dynamic interface
service port
wireless LAN controller


- A. Mastered
- B. Not Mastered

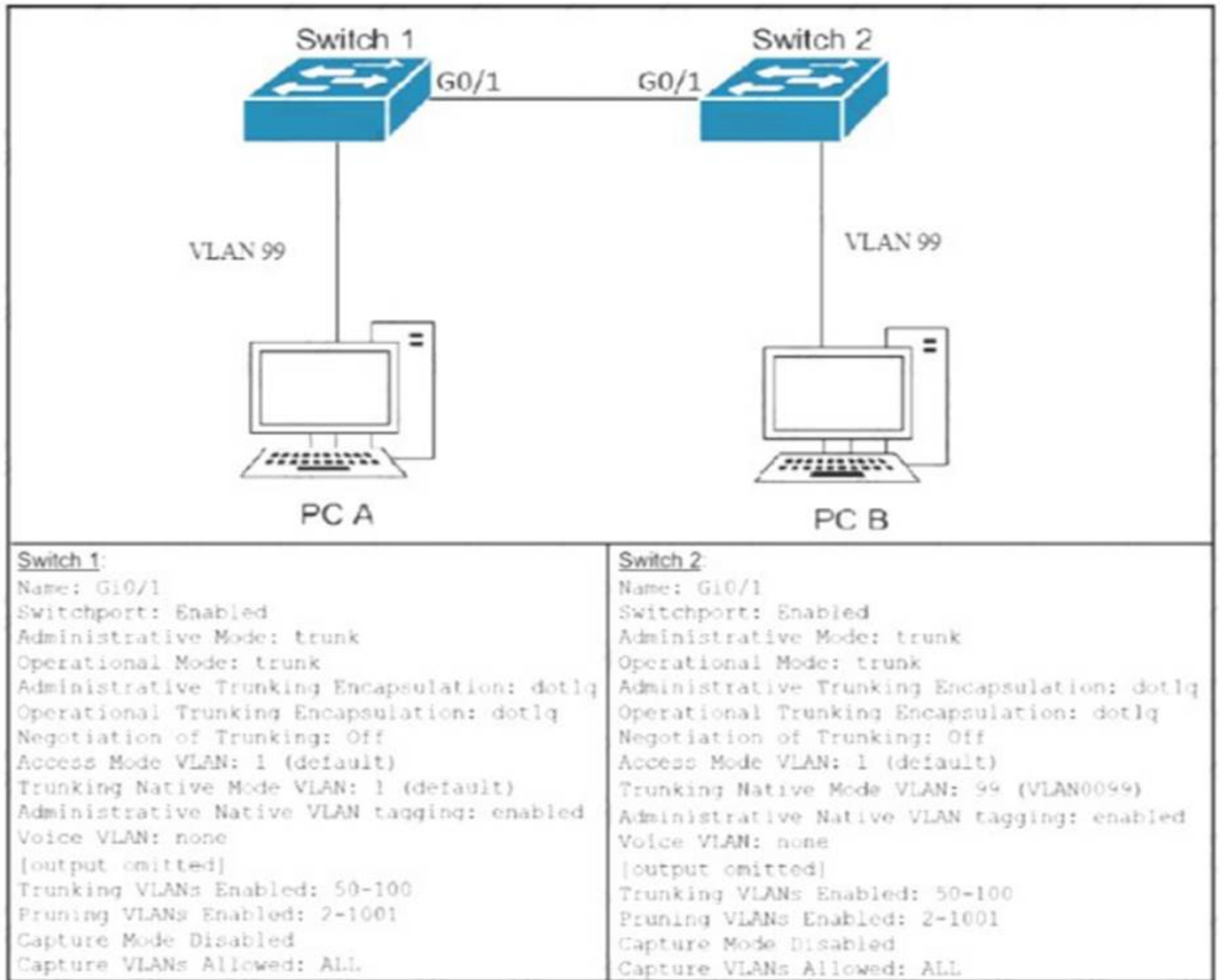
Answer: A

Explanation:

- 5:1
- 1:2
- 2:4
- 4:3
- 3:5

NEW QUESTION 104

Refer to the Exhibit.



After the switch configuration the ping test fails between PC A and PC B Based on the output for switch 1. which error must be corrected?

- A. There is a native VLAN mismatch
- B. Access mode is configured on the switch ports.
- C. The PCs are in the incorrect VLAN
- D. All VLANs are not enabled on the trunk

**Answer:** A

#### NEW QUESTION 105

Which statement about Link Aggregation when implemented on a Cisco Wireless LAN Controller is true?

- A. To pass client traffic two or more ports must be configured.
- B. The EtherChannel must be configured in "mode active"
- C. When enabled the WLC bandwidth drops to 500 Mbps
- D. One functional physical port is needed to pass client traffic

**Answer:** C

#### NEW QUESTION 110

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