# 200-301 Dumps

# Cisco Certified Network Associate

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

**NEW QUESTION 1**
Which IPv6 address type provides communication between subnets and cannot route on the Internet?

A. global unicast
B. unique local
C. link-local
D. multicast

**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 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 4**
Refer to the exhibit.
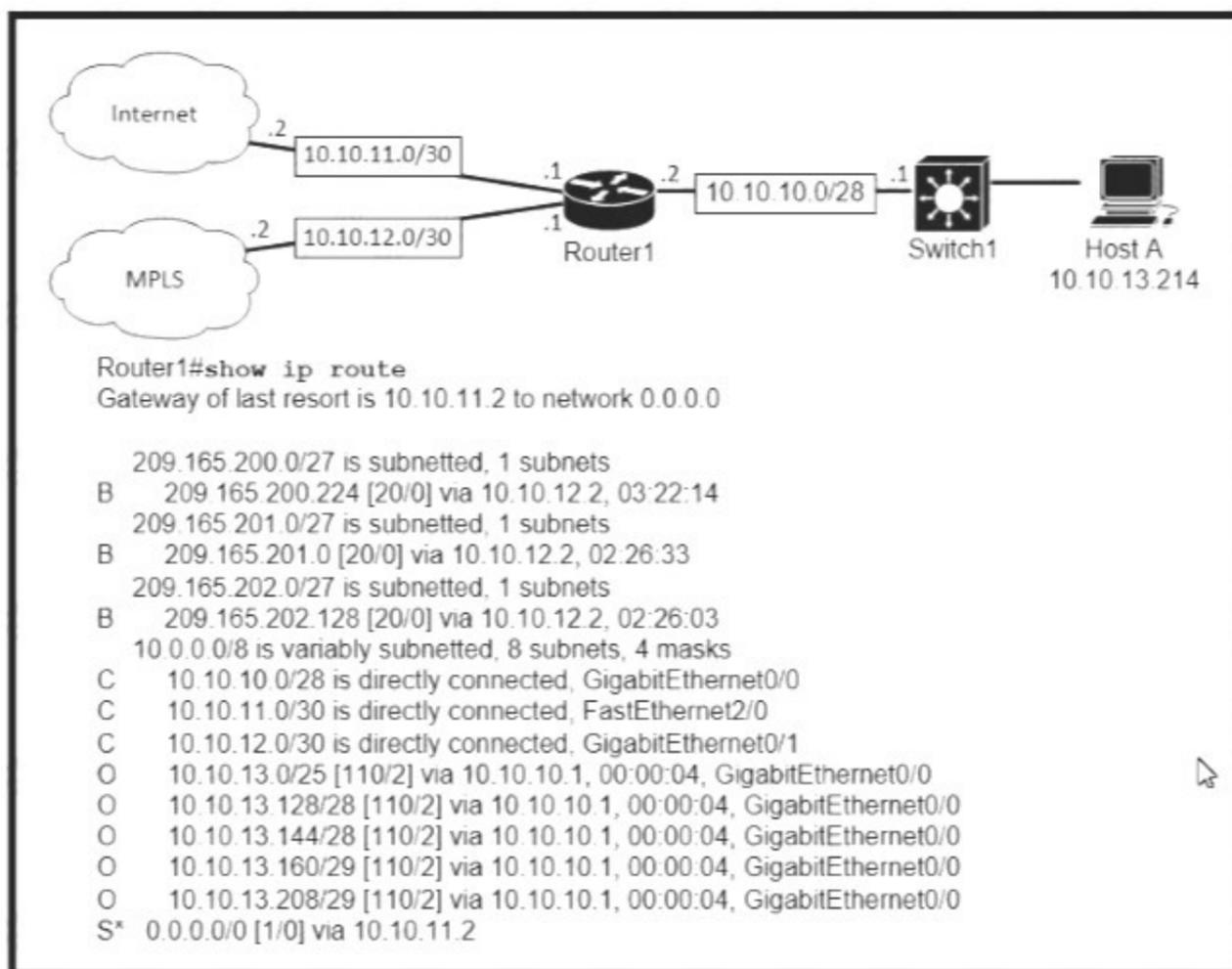


Which prefix does Router 1 use for traffic to Host A?

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 5**
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 6**
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 7**
When OSPF learns multiple paths to a network, how does it select a route?

A. It multiple the active K value by 256 to calculate the route with the lowest metric.
B. For each existing interface, it adds the metric from the source router to the destination to calculate theroute with the lowest bandwidth.
C. It divides a reference bandwidth of 100 Mbps by the actual bandwidth of the existing interface to calculate the router with the lowest cost.
D. It count the number of hops between the source router and the destination to determine the router with the lowest metric

**Answer:** A


**NEW QUESTION 8**
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 9**
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 10**
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 10**
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. |
|---|
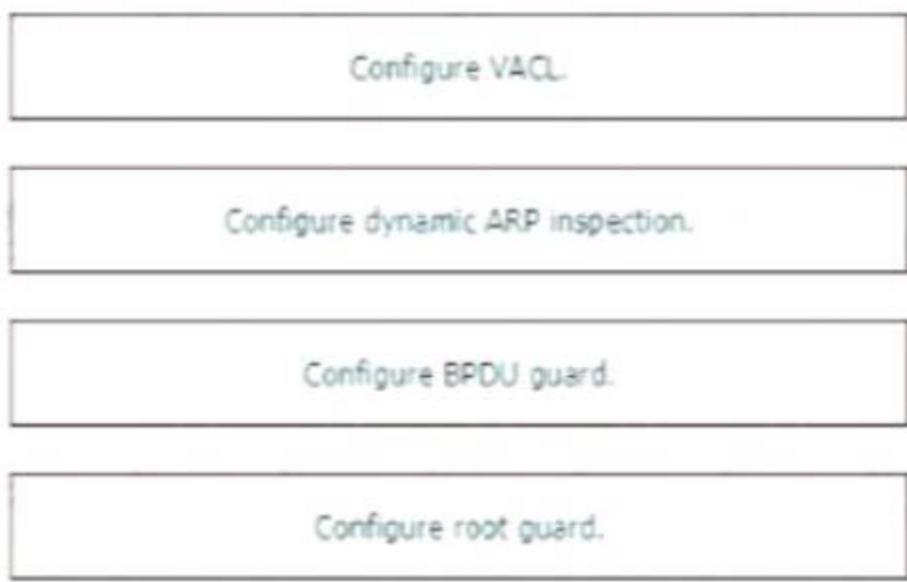
**NEW QUESTION 11**
What are two characteristics of a controller-based network? (Choose two)

A. The administrator can make configuration updates from the CLI
B. It uses northbound and southbound APIs to communicate between architectural layers
C. It moves the control plane to a central point.
D. It decentralizes the control plane, which allows each device to make its own forwarding decisions
E. It uses Telnet to report system issues.

**Answer:** AC

**NEW QUESTION 15**
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 19**
What are two reasons that cause late collisions to increment on an Ethernet interface? (Choose two)

A. when the sending device waits 15 seconds before sending the frame again
B. when the cable length limits are exceeded
C. when one side of the connection is configured for half-duplex
D. when Carner Sense Multiple Access/Collision Detection is used
E. when a collision occurs after the 32nd byte of a frame has been transmitted

**Answer:** CE

**NEW QUESTION 20**
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 25**
What is the primary effect of the spanning-tree portfast command?

A. it enables BPDU messages
B. It minimizes spanning-tree convergence time

C. It immediately puts the port into the forwarding state when the switch is reloaded
D. It immediately enables the port in the listening state

**Answer:** A

**NEW QUESTION 28**
What is the default behavior of a Layer 2 switch when a frame with an unknown destination MAC address is received?

A. The Layer 2 switch drops the received frame
B. The Layer 2 switch floods packets to all ports except the receiving port in the given VLAN.
C. The Layer 2 switch sends a copy of a packet to CPU for destination MAC address learning.
D. The Layer 2 switch forwards the packet and adds the destination MAC address to its MAC address table

**Answer:** B

**NEW QUESTION 33**
Refer to the exhibit.

```
ip arp inspection vlan 5-10
interface fastethernet 0/1
    switchport mode access
    switchport access vlan 5
```

What is the effect of this configuration?

A. All ARP packets are dropped by the switch
B. Egress traffic is passed only if the destination is a DHCP server.
C. All ingress and egress traffic is dropped because the interface is untrusted
D. The switch discard all ingress ARP traffic with invalid MAC-to-IP address bindings.

**Answer:** D

**NEW QUESTION 34**
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 39**
Drag and drop the AAA functions from the left onto the correct AAA services on the right

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

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

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

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

| records user activities | | Authentication |
| restricts the services that are available to a user | | identifies the user |
| | | controls the actions that a user can perform |

| identifies the user | | Authorization |
| controls the actions that a user can perform | | records user activities |
| | | restricts the services that are available to a user |

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

**NEW QUESTION 40**

Refer to Exhibit.



```
SW1:
interface FastEthernet0/1
switchport trunk encapsulation dot1q
switchport trunk native vlan 999
switchport mode trunk
```

```
SW2:
interface FastEthernet0/1
switchport trunk encapsulation dot1q
switchport trunk native vlan 99
switchport mode trunk
```
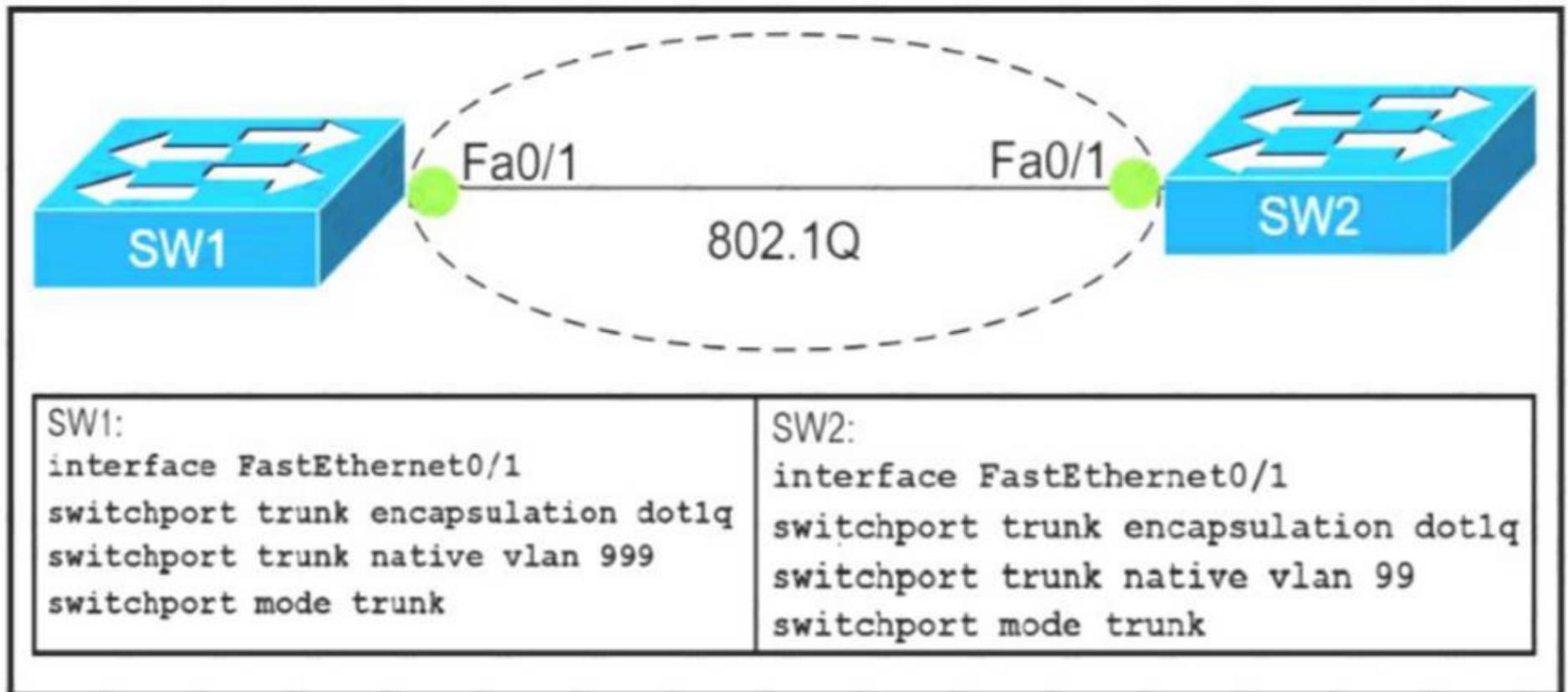
Which action do the switches take on the trunk link?

A. The trunk does not form and the ports go into an err-disabled status.
B. The trunk forms but the mismatched native VLANs are merged into a single broadcast domain.
C. The trunk does not form, but VLAN 99 and VLAN 999 are allowed to traverse the link.
D. The trunk forms but VLAN 99 and VLAN 999 are in a shutdown state.

**Answer:** C


**NEW QUESTION 42**
Which command is used to specify the delay time in seconds for LLDP to initialize on any interface?

A. lldp timer
B. lldp holdtimt
C. lldp reinit
D. lldp tlv-select

**Answer:** D


**NEW QUESTION 43**
An engineer configured an OSPF neighbor as a designated router. Which state verifies the designated router is in the proper mode?

A. Exchange
B. 2-way
C. Full
D. Init

**Answer:** B


**NEW QUESTION 44**
Which statement identifies the functionality of virtual machines?

A. Virtualized servers run most efficiently when they are physically connected to a switch that is separate from the hypervisor
B. The hypervisor can virtualize physical components including CP
C. memory, and storage
D. Each hypervisor can support a single virtual machine and a single software switch
E. The hypervisor communicates on Layer 3 without the need for additional resources

**Answer:** D


**NEW QUESTION 47**
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 50**

Which mode allows access points to be managed by Cisco Wireless LAN Controllers?

A. autonomous
B. lightweight
C. bridge
D. mobility express

**Answer:** B


**NEW QUESTION 53**
Which command automatically generates an IPv6 address from a specified IPv6 prefix and MAC address of an interface?

A. ipv6 address dhcp
B. ipv6 address 2001:DB8:5:112::/64 eui-64
C. ipv6 address autoconfig
D. ipv6 address 2001:DB8:5:112::2/64 link-local

**Answer:** C


**NEW QUESTION 54**
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 routed share the same IP address, and default gateway traffic is load-balanced between them

**Answer:** AB


**NEW QUESTION 55**
Which 802.11 frame type is association response?

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

**Answer:** B


**NEW QUESTION 59**
Refer to the exhibit.
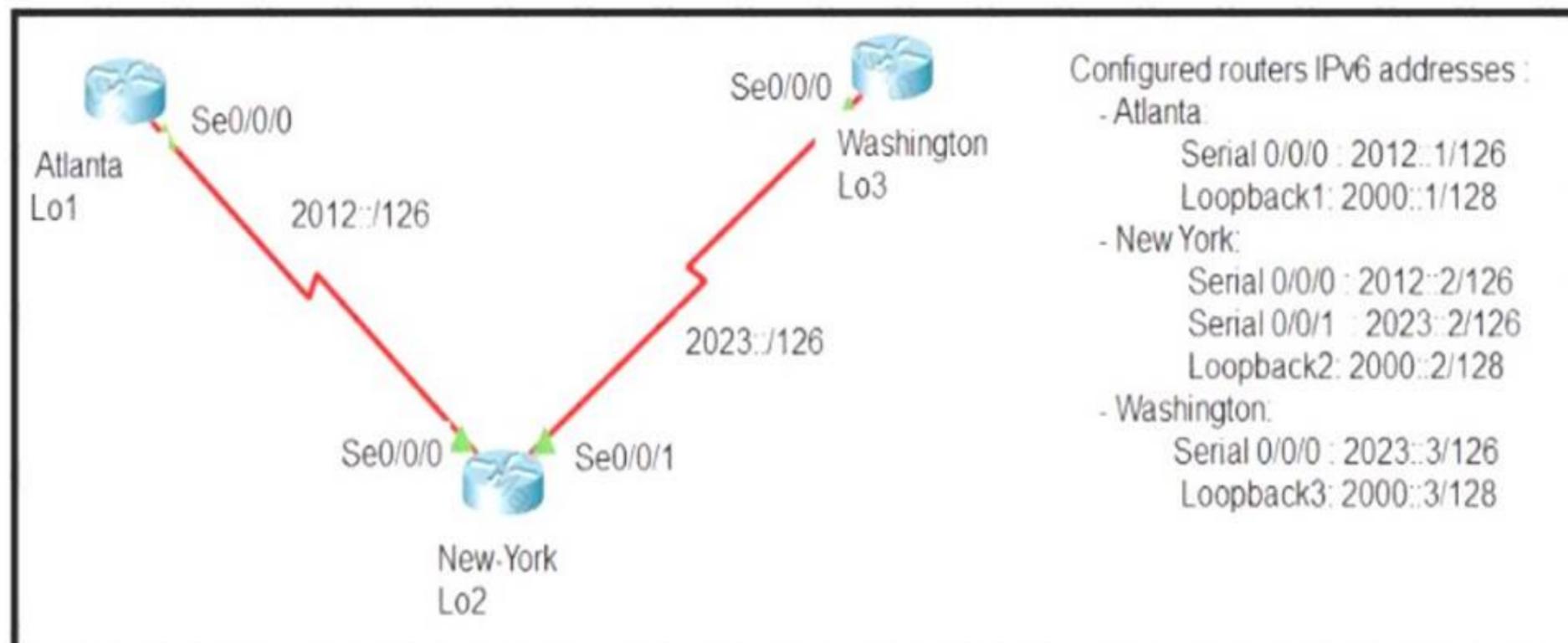


The New York router is configured with static routes pointing to the Atlanta and Washington sites. Which two tasks must be performed so that the Serial0/0/0 interfaces on the Atlanta and Washington routers can reach one another? (Choose two.)

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 63**
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 65**
When a site-to-site VPN is used, which protocol is responsible for the transport of user data?

A. IKEv2
B. IKEv1
C. IPsec
D. MD5

**Answer:** C


**NEW QUESTION 70**
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 72**
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 75**
If a notice-level messaging is sent to a syslog server, which event has occurred?

A. A network device has restarted
B. An ARP inspection has failed
C. A routing instance has flapped
D. A debug operation is running

**Answer:** A


**NEW QUESTION 77**
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 82**
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