200-301 Dumps

Cisco Certified Network Associate

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NEW QUESTION 1
What are two benefits of network automation? (Choose two)

A. reduced operational costs
B. reduced hardware footprint
C. faster changes with more reliable results
D. fewer network failures
E. increased network security

Answer: AC

NEW QUESTION 2
When configuring IPv6 on an interface, which two IPv6 multicast groups are joined? (Choose two)

A. 2000::/3
B. 2002::5
C. FC00::/7
D. FF02::1
E. FF02::2

Answer: DE

NEW QUESTION 3
Which option about JSON is true?

A. uses predefined tags or angle brackets () to delimit markup text
B. used to describe structured data that includes arrays
C. used for storing information
D. similar to HTML, it is more verbose than XML

Answer: B

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
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
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 7
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 8
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 9
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 10
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 10
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 11
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 12
Refer to the exhibit.

Designated Router (ID) 10.11.11.11, Interface address 10.10.10.1
Backup Designated router (ID)10.3.3.3, Interface address 10.10.10.3
Timer intervals configured, Hello 10, Dead 40, Wait 40, Retransmit 5
oob-resync timeout 40
Hello due in 00:00:08
Supports Link-local Signaling (LLS)
Cisco NSF helper support enabled
IETF NSF helper support enabled
Index 1/1/1, flood queue length 0
Next 0x0(0)/0x0(0)/0x0(0)
Last flood scan length is 1, maximum is 6
Last flood scan time is 0 msec, maximum is 1 msec
Neighbor Count is 3, Adjacent neighbor count is 3
Adjacent with neighbor 10.1.1.4
Adjacent with neighbor 10.2.2.2
Adjacent with neighbor 10.3.3.3 (Backup Designated Router)
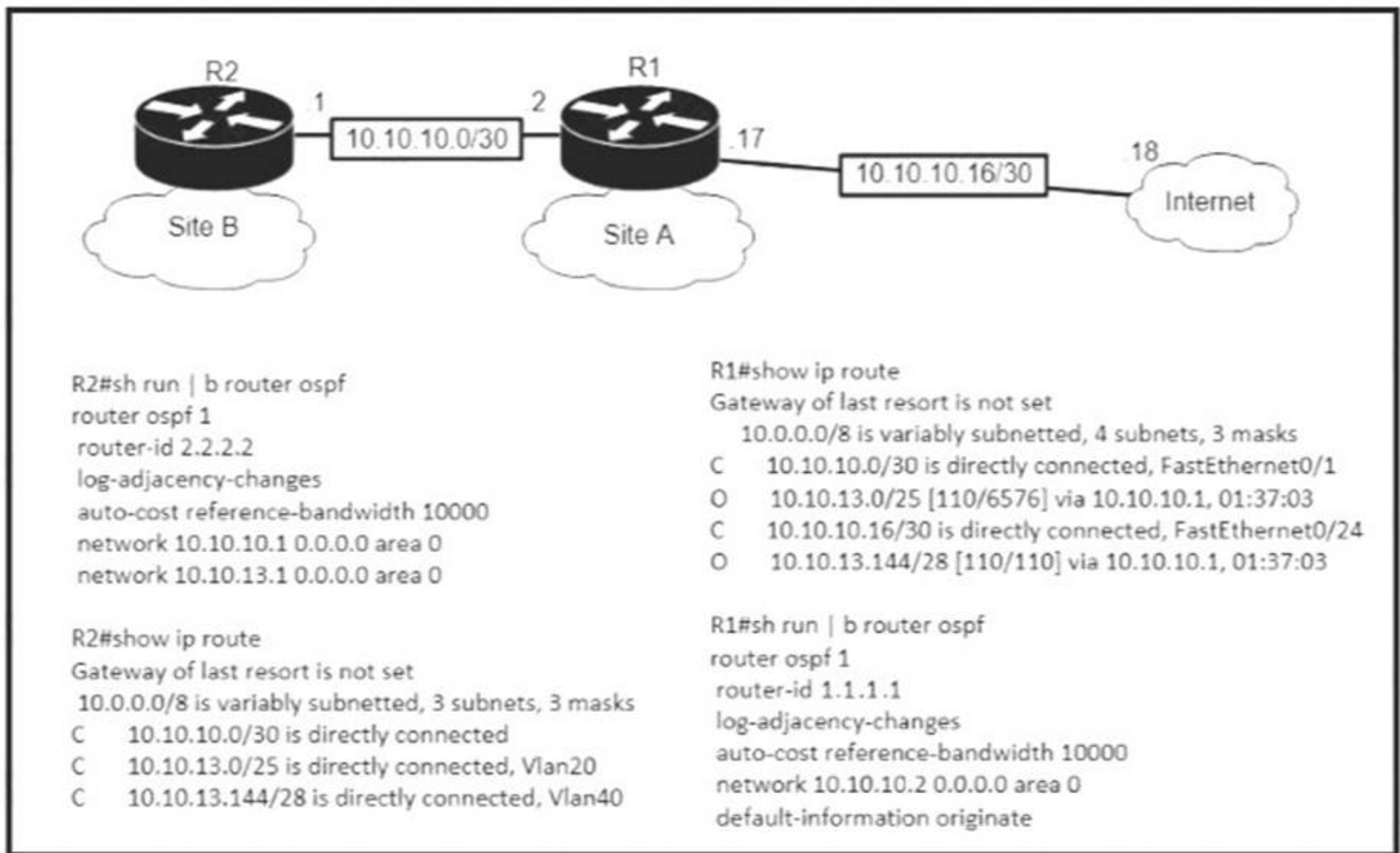Suppress hello for 0 neighbor(s)

The show ip ospf interface command has been executed on R1 How is OSPF configured?

A. The interface is not participating in OSPF
B. A point-to-point network type is configured
C. The default Hello and Dead timers are in use
D. There are six OSPF neighbors on this interface

Answer: A

NEW QUESTION 13
Refer to the exhibit.

R2#sh run | b router ospf
router ospf 1
 router-id 2.2.2.2
 log-adjacency-changes
 auto-cost reference-bandwidth 10000
 network 10.10.10.1 0.0.0.0 area 0
 network 10.10.13.1 0.0.0.0 area 0

R2#show ip route
Gateway of last resort is not set
 10.0.0.0/8 is variably subnetted, 3 subnets, 3 masks
 C   10.10.10.0/30 is directly connected
 C   10.10.13.0/25 is directly connected, Vlan20
 C   10.10.13.144/28 is directly connected, Vlan40

R1#show ip route
Gateway of last resort is not set
 10.0.0.0/8 is variably subnetted, 4 subnets, 3 masks
 C   10.10.10.0/30 is directly connected, FastEthernet0/1
 O   10.10.13.0/25 [110/6576] via 10.10.10.1, 01:37:03
 C   10.10.10.16/30 is directly connected, FastEthernet0/24
 O   10.10.13.144/28 [110/110] via 10.10.10.1, 01:37:03

R1#sh run | b router ospf
router ospf 1
 router-id 1.1.1.1
 log-adjacency-changes
 auto-cost reference-bandwidth 10000
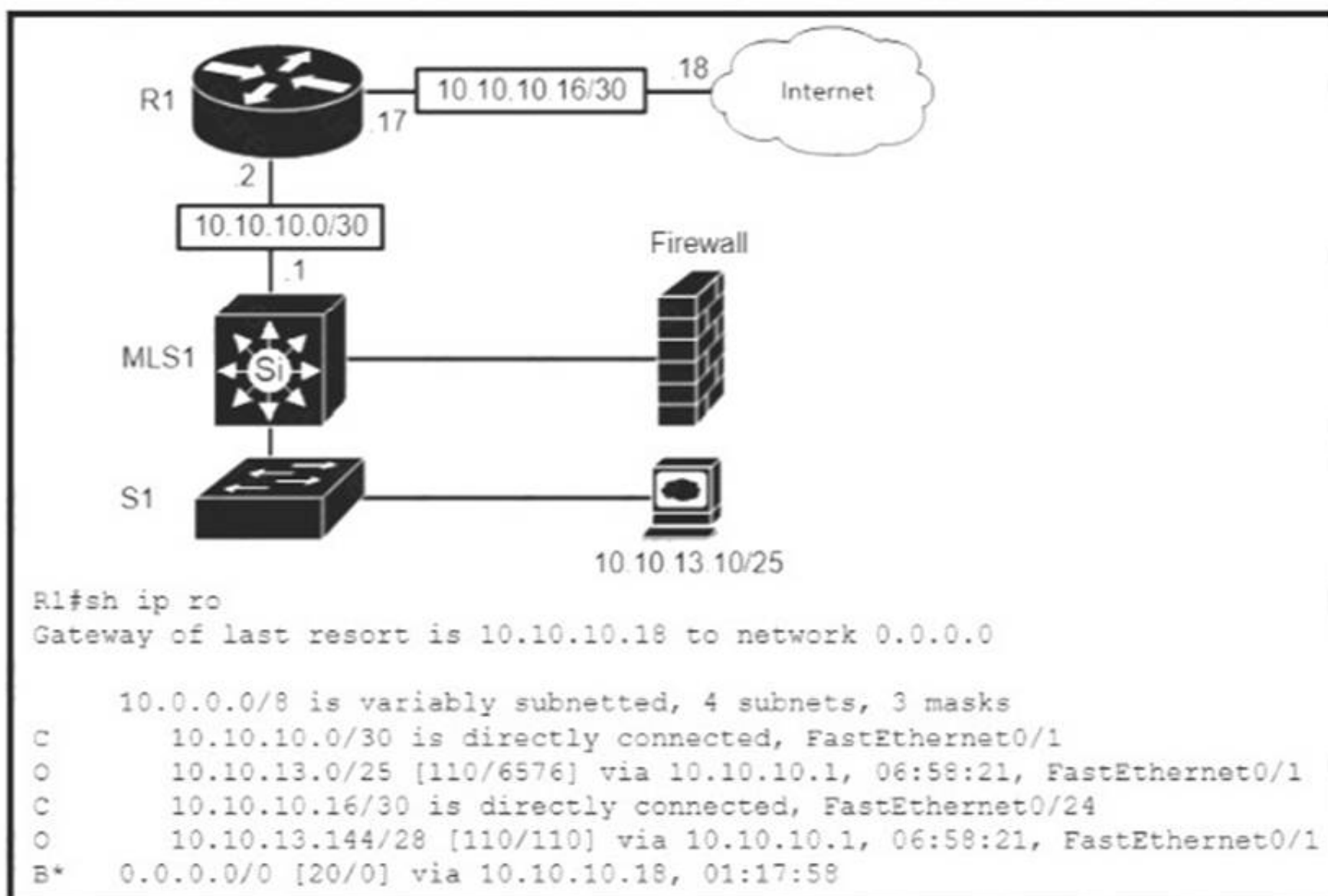 network 10.10.10.2 0.0.0.0 area 0
 default-information originate

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 s 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 asymmeteical
D. Route 10.10.13.0/25 learned via the GiO/0 interface remains in the routing table

Answer: D

NEW QUESTION 16
Refer to the exhibit.

R1#sh ip ro
Gateway of last resort is 10.10.10.18 to network 0.0.0.0

     10.0.0.0/8 is variably subnetted, 4 subnets, 3 masks
C   10.10.10.0/30 is directly connected, FastEthernet0/1
O   10.10.13.0/25 [110/6576] via 10.10.10.1, 06:58:21, FastEthernet0/1
C   10.10.10.16/30 is directly connected, FastEthernet0/24
O   10.10.13.144/28 [110/110] via 10.10.10.1, 06:58:21, FastEthernet0/1
B*   0.0.0.0/0 [20/0] via 10.10.10.18, 01:17:58

Which type of route does R1 use to reach host 10.10.13.10/32?

A. floating static route
B. host route
C. default route
D. network route

Answer: D

NEW QUESTION 19
A user configured OSPF in a single area between two routers A serial interface connecting R1 and R2 is running encapsulation PPP By default which OSPF network type is seen on this interface when the user types show ip ospf interface on R1 or R2?

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

Answer: C

NEW QUESTION 24
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
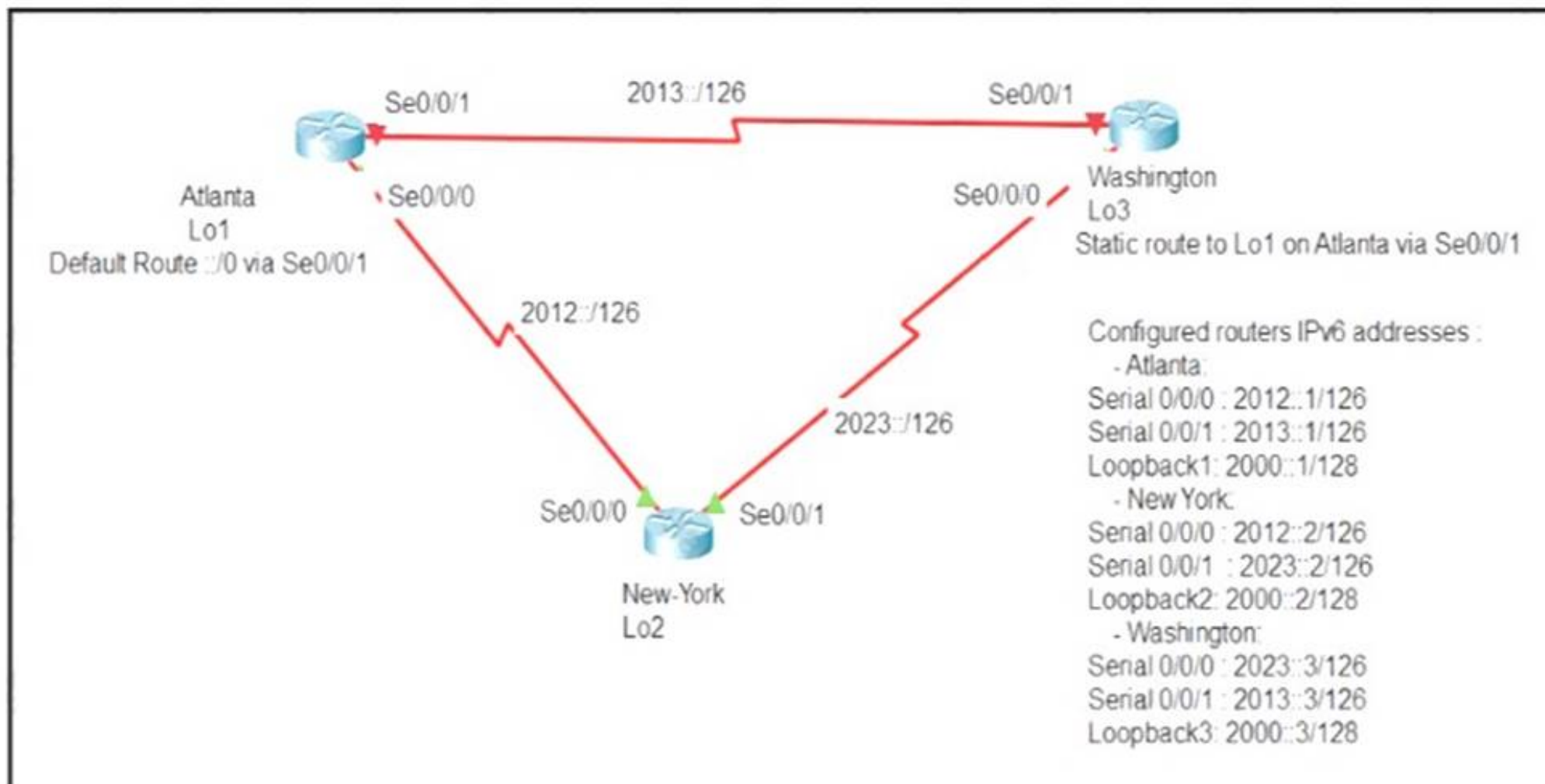C. broadcast
D. nonbroadcast

Answer: B

NEW QUESTION 26
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 27
Refer to Exhibit.

An engineer is configuring the NEW York router to reach the Lo1 interface of the Atlanta router using interface Se0/0/0 as the primary path. Which two commands must be configured on the New York router so that it can reach the Lo1 interface of the Atlanta router via Washington when the link between New York and Atlanta goes down? (Choose two)

A. ipv6 router 2000::1/128 2012::1
B. ipv6 router 2000::1/128 2012::1 5
C. ipv6 router 2000::1/128 2012::2

D. ipv6 router 2000::1/128 2023::2 5
E. ipv6 router 2000::1/128 2023::3 5

Answer: DE

NEW QUESTION 29
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 34
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 39
Drag and drop the descriptions of file-transfer protocols from the left onto the correct protocols on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

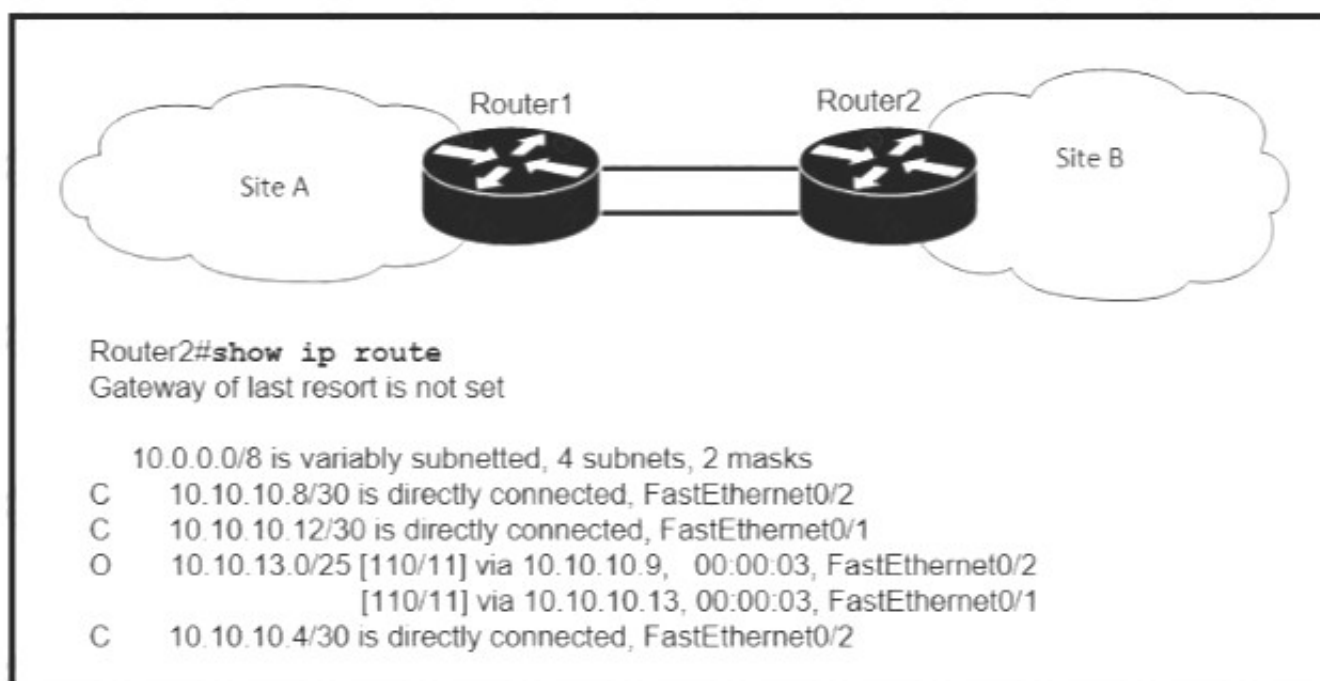|	FTP
provides reliability when loading an IOS image upon boot up	provides reliability when loading an IOS image upon boot up
does not require user authentication	uses ports 20 and 21
uses port 69	uses TCP

	TFTP
uses ports 20 and 21	does not require user authentication
uses TCP	uses port 69
uses UDP	uses UDP

NEW QUESTION 40
Refer to the exhibit.


```
Router2#show ip route
Gateway of last resort is not set

      10.0.0.0/8 is variably subnetted, 4 subnets, 2 masks
C        10.10.10.8/30 is directly connected, FastEthernet0/2
C        10.10.10.12/30 is directly connected, FastEthernet0/1
O        10.10.13.0/25 [110/11] via 10.10.10.9,   00:00:03, FastEthernet0/2
                       [110/11] via 10.10.10.13, 00:00:03, FastEthernet0/1
C        10.10.10.4/30 is directly connected, FastEthernet0/2
```
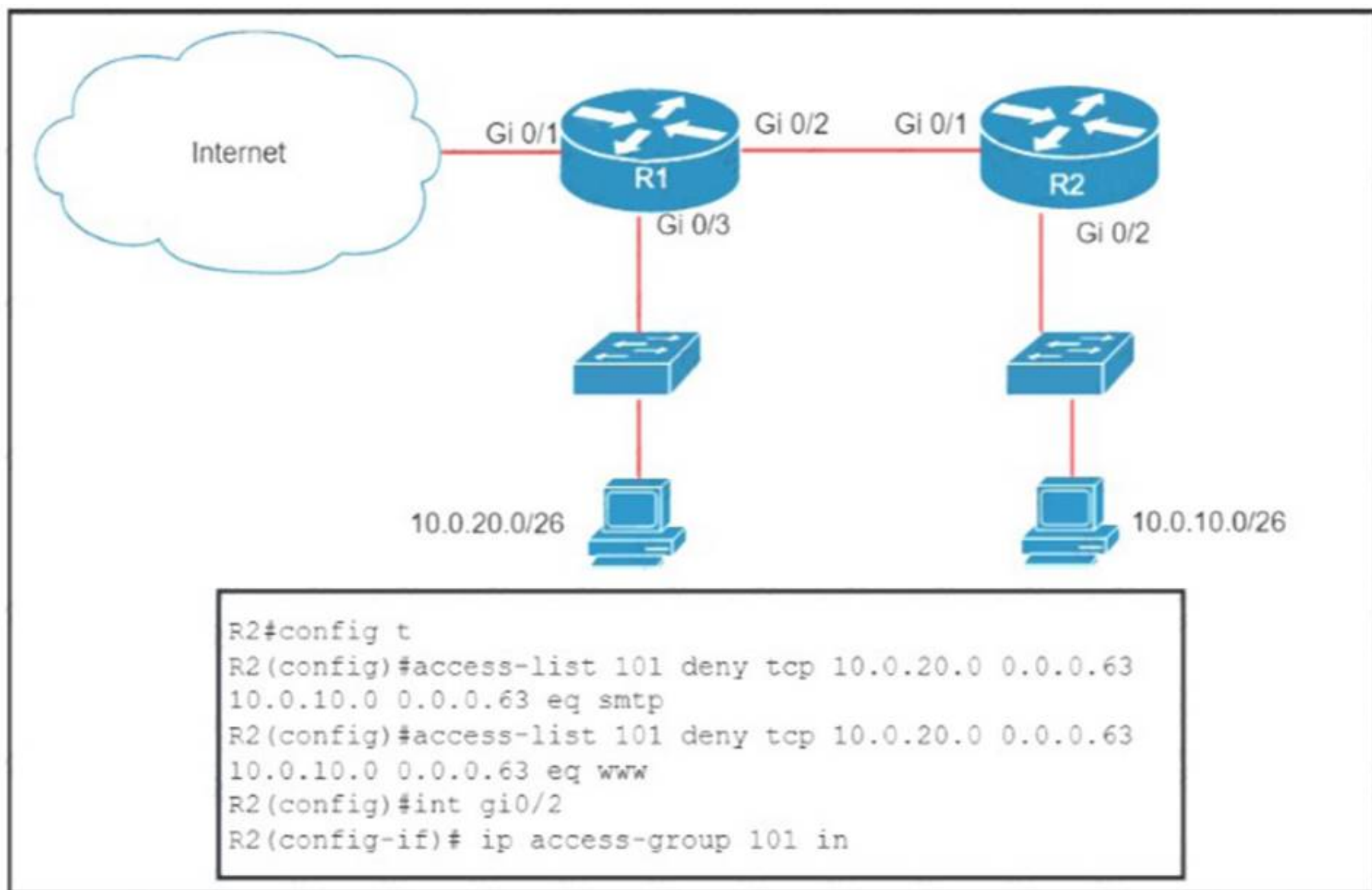
If OSPF is running on this network, how does Router 2 handle traffic from Site B to 10.10.13/25 at Site A?

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 43
Refer to the exhibit.

```
R2#config t
R2(config)#access-list 101 deny tcp 10.0.20.0 0.0.0.63
10.0.10.0 0.0.0.63 eq smtp
R2(config)#access-list 101 deny tcp 10.0.20.0 0.0.0.63
10.0.10.0 0.0.0.63 eq www
R2(config)#int gi0/2
R2(config-if)# ip access-group 101 in
```

An extended ACL has been configured and applied to router R2 The configuration farted to work as intended Which two changes stop outbound traffic on TCP ports 25 and 80 to 10.0 20 026 from the 10.0.10 0/26 subnet while still allowing all other traffic? (Choose two)

A. Add a "permit ip any any" statement to the begining of ACL 101 for allowed traffic.
B. Add a "permit ip any any" statement at the end of ACL 101 for allowed traffic
C. The source and destination IPs must be swapped in ACL 101
D. The ACL must be configured the Gi0/2 interface inbound on R1
E. The ACL must be moved to the Gi0/1 interface outbound on R2

Answer: AE

NEW QUESTION 45
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 49
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 52
Refer to the exhibit.

```
Gateway of last resort is 10.12.0.1 to network 0.0.0.0

O*E2    0.0.0.0/0 [110/1] via 10.12.0.1, 00:00:01, GigabitEthernet0/0
        10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C       10.0.0.0/24 is directly connected, GigabitEthernet0/0
L       10.0.0.2/32 is directly connected, GigabitEthernet0/0
C       10.13.0.0/24 is directly connected, GigabitEthernet0/1
L       10.13.0.2/32 is directly connected, GigabitEthernet0/1
```

If configuring a static default route on the router with the ip route 0.0.0.0 0.0.0.0 10.13.0.1 120 command how does the router respond?

A. It ignores the new static route until the existing OSPF default route is removed
B. It immediately replaces the existing OSPF route in the routing table with the newly configured static route
C. It starts load-balancing traffic between the two default routes
D. It starts sending traffic without a specific matching entry in the routing table to GigabitEthernetO/1

Answer: D

NEW QUESTION 54
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