



Cisco

Exam Questions 300-101

Implementing Cisco IP Routing

NEW QUESTION 1

Refer to the following configuration command. Which statement about the command is true? `router(config)#ip nat inside source static tcp 172.16.10.8 8080 172.16.10.8 80`

- A. Any packet that is received in the inside interface with a source IP port address 172.16.10.8:8080 is translated to 172.16.10.8:80
- B. Any packet that is received in the inside interface with a source IP port address of 172.16. 10.8: 80 is translated to 172.16.10.8.8080
- C. The router accepts only a TCP connection from port 8080 and port 80 on IP address 172.16
- D. Any packet that is received in the inside interface with a source IP address of 172.16.10.8 is redirected to port 8080 or port 80

Answer: A

NEW QUESTION 2

Which task must you perform to enable a point-to-point Frame Relay connection?

- A. Enable inverse ARP.
- B. Configure the encapsulation type.
- C. Configure static address mapping.
- D. Disable inverse ARP.

Answer: C

NEW QUESTION 3

Which condition prevents the establishment of a DMVPN tunnel between two spokes?

- A. The two spokes have different tunnel keepalive settings
- B. HSRP is enabled on the spoke devices
- C. IPsec is enabled on the spoke devices
- D. The two spokes are behind different PAT devices

Answer: A

NEW QUESTION 4

Where can NetFlow export data for long term storage and analysis?

- A. another network device
- B. syslog
- C. flat file
- D. collector

Answer: D

NEW QUESTION 5

What is the default maximum segment size for TCP traffic

- A. 536
- B. 1492
- C. 1500
- D. 1508
- E. 3340
- F. 4096

Answer: A

NEW QUESTION 6

In which two areas does OSPF send a summary route by default? (Choose two.)

- A. NSSA
- B. backbone
- C. stub
- D. normal
- E. totally stubby

Answer: CD

NEW QUESTION 7

Which two statements are true of the OSPF link-state routing protocol? (Choose two.)

- A. Using the Bellman-Ford algorithm, each OSPF router independently calculates its best paths to all destinations in the network.
- B. Using the DUAL algorithm, each OSPF router independently calculates its best paths to all destinations in the network.
- C. OSPF sends summaries of individual link-state entries every 30 minutes to ensure LSDB synchronization.
- D. OSPF sends triggered updates when a network change occurs
- E. OSPF sends updates every 10 seconds
- F. When a link changes state, the router that detected the change creates a link-state advertisement (LSA) and propagates it to all OSPF devices using the 224.0.0.6 multicast address.

Answer: CD

NEW QUESTION 8

Drag and drop the statements about NAT64 from the left onto the correct NAT64 types on the right.

ALG is not supported.

It supports FTP64 for ALG.

It supports PAT and overload.

It supports one-to-one mappings only.

It allows IPv6 systems to use any type of IPv6 address.

It requires IPv6 systems to use RFC6052 IPv4-translatable addresses.

Stateful

Stateless

Answer:

Explanation:

ALG is not supported.

It supports FTP64 for ALG.

It supports PAT and overload.

It supports one-to-one mappings only.

It allows IPv6 systems to use any type of IPv6 address.

It requires IPv6 systems to use RFC6052 IPv4-translatable addresses.

Stateful

It supports PAT and overload.

It requires IPv6 systems to use RFC6052 IPv4-translatable addresses.

It supports FTP64 for ALG.

Stateless

It supports one-to-one mappings only.

ALG is not supported.

It allows IPv6 systems to use any type of IPv6 address.

NEW QUESTION 9

What is the minimum privilege level to allow a user to execute all user-level commands but prohibits enable level commands by default?

- A. level 0
- B. level 1
- C. level 14
- D. level 15
- E. level 16

Answer: B

NEW QUESTION 10

What is the hop count that is advertised for an unreachable network by a RIP routes that uses poison reverse?

- A. 15
- B. 16
- C. 255

Answer: C

NEW QUESTION 10

With which network type will OSPF establish router adjacencies but not perform the DR/BDR election

- A. Point-to-point
- B. Backbone area 0
- C. Broadcast multi-access
- D. Non-broadcast multi-access

Answer: A

NEW QUESTION 11

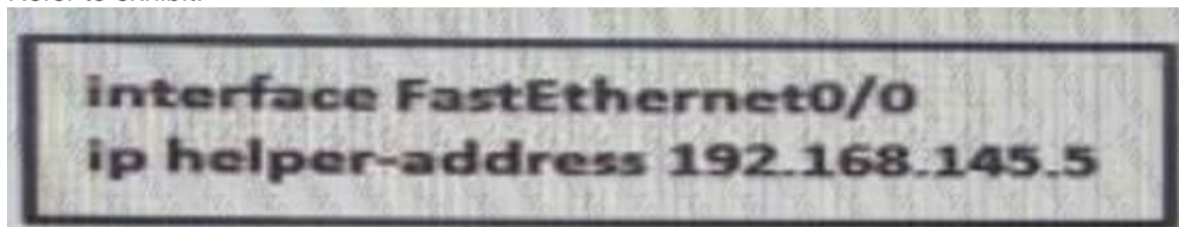
In which scenario can asymmetric routing occur?

- A. active/standby firewall setup
- B. active/active firewall setup
- C. redundant routers running VRRP
- D. single path in and out of the network

Answer: B

NEW QUESTION 16

Refer to exhibit.



A packet capture indicates that router is not forwarding the DHCP packets that it receives on interface FastEthernet command must be entered in global configuration mode to resolve this issue?

- A. ip forward-protocol
- B. ip DHCP relay
- C. ip helper
- D. service DHCP

Answer: A

NEW QUESTION 18

A network engineer is unable to make VRF lite EIGRP adjacency work. There is nothing wrong with communication between R1 and R2. What command will eliminate the issue when executed on both routers?

- A. (config-router-af)# autonomous-system 100
- B. (config)# ip-multicast-routing
- C. (config-vrf)# route-target both 100:1
- D. (config-router-af)# network 209.165.202.128 0.0.0.31

Answer: A

NEW QUESTION 21

How is authentication handled with OSPFv3?

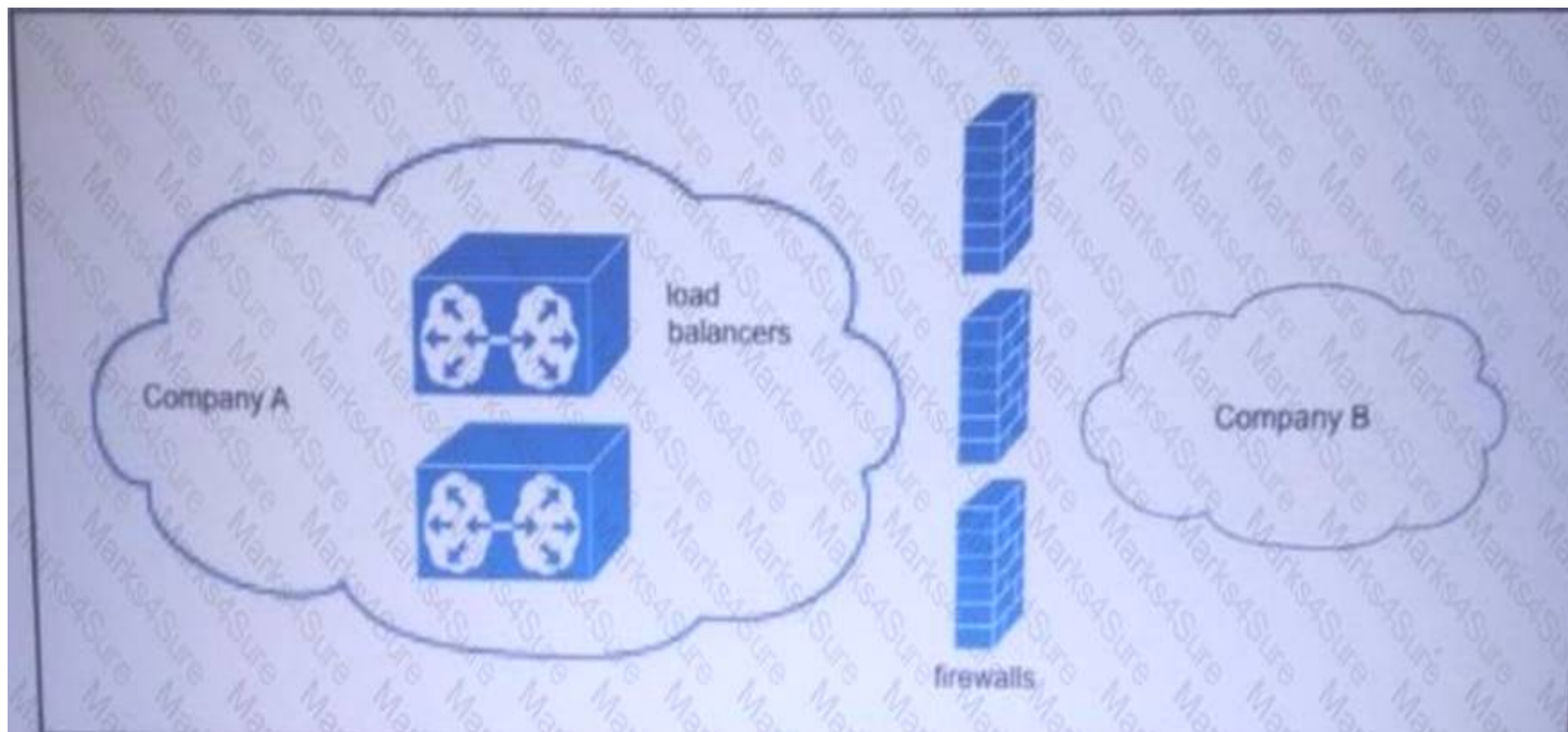
- A. OSPFv3 for IPv6 authentication is supported by SHA-1 authentication.
- B. OSPFv3 for IPv6 authentication is supported by MD5 authentication
- C. OSPFv3 for IPv6 authentication is supported by IPv6 IPsec
- D. OSPFv3 for IPv6 authentication is supported by IPv4 IPsec

Answer: C

NEW QUESTION 26

Refer to the exhibit.

Which networking challenge is the most important issue due to address to enable optimal communication between the networks at company A and company B?



- A. unicast flooding
- B. IPv4 MTU
- C. asymmetric
- D. routing IPv4 fragmentation
- E. UDP latency

Answer: C

NEW QUESTION 31

Refer to the following.

```
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
```

How can you change this configuration so that when user CCNP logs in, the show run command is executed and the session is terminated?

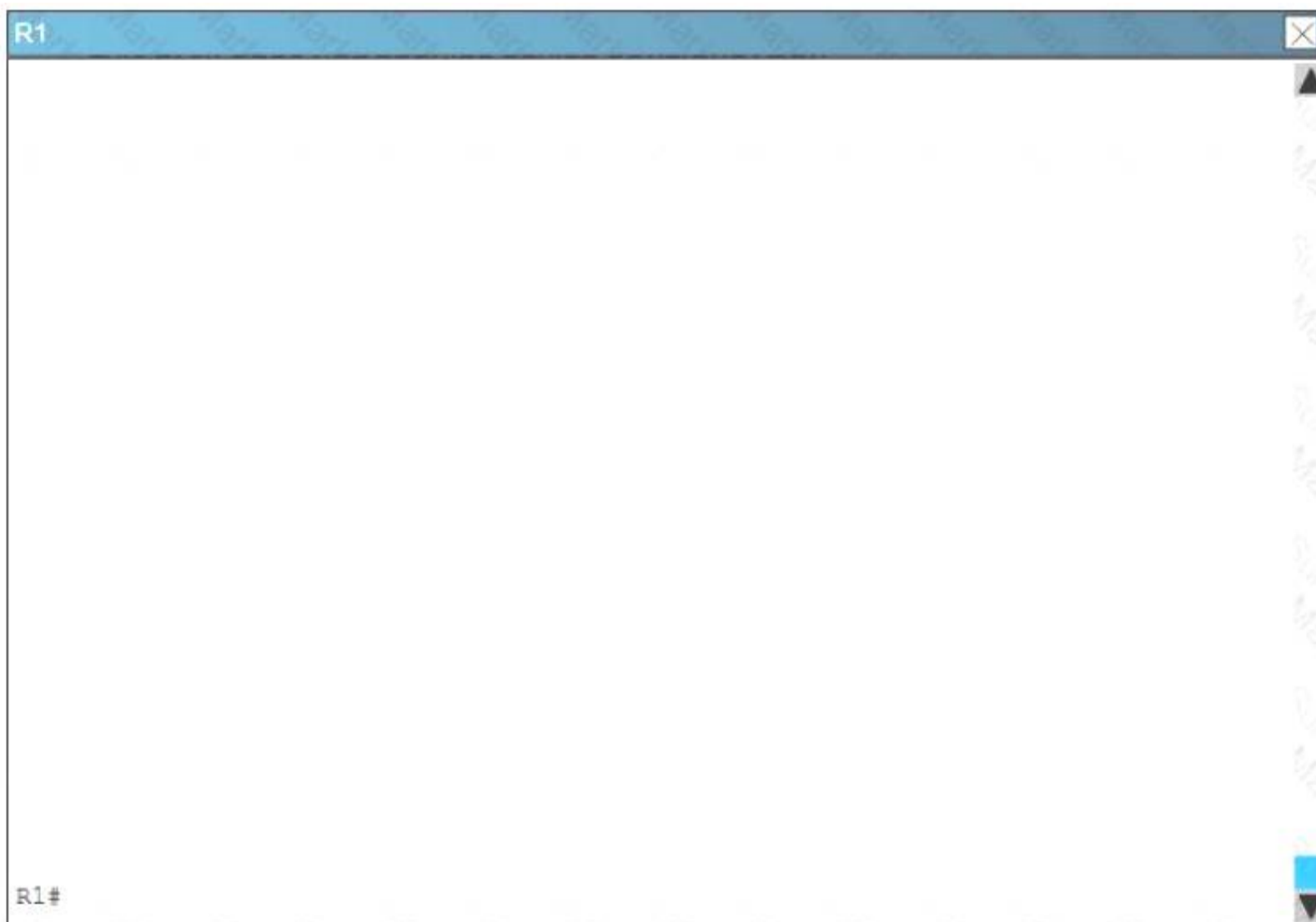
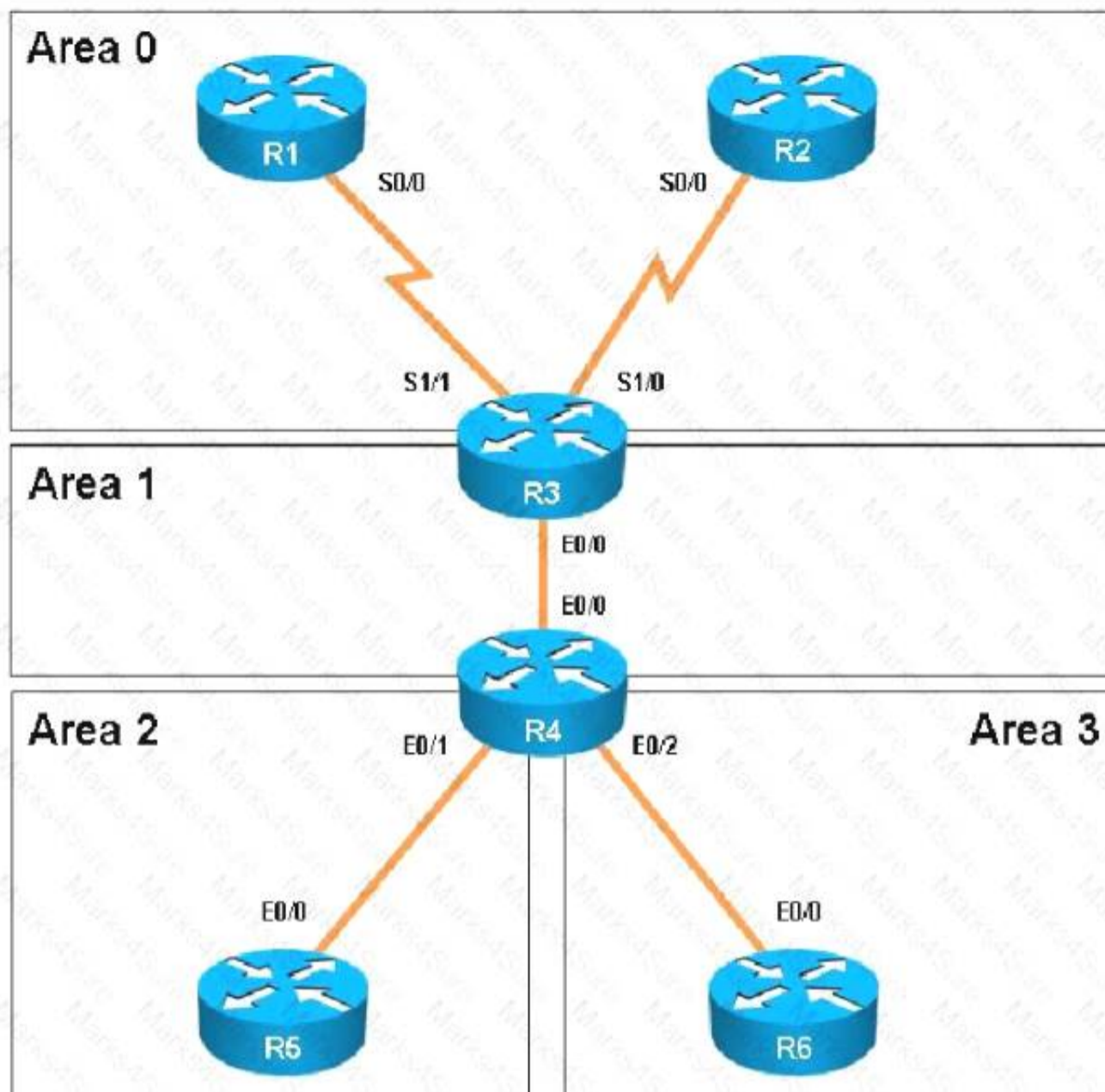
- A. Add the autocommand keyword to the aaa authentication command
- B. Assign privilege level 15 to the CCNP username
- C. Add the access-class keyword to the aaa authentication command
- D. Assign privilege level14 to the CCNP username
- E. Add the access-class keyword to the username command
- F. Add the autocommand keyword to the username command

Answer: F

NEW QUESTION 32

Scenario:

You have been asked to evaluate an OSPF network setup in a test lab and to answer questions a customer has about its operation. The customer has disabled your access to the show running-config command.

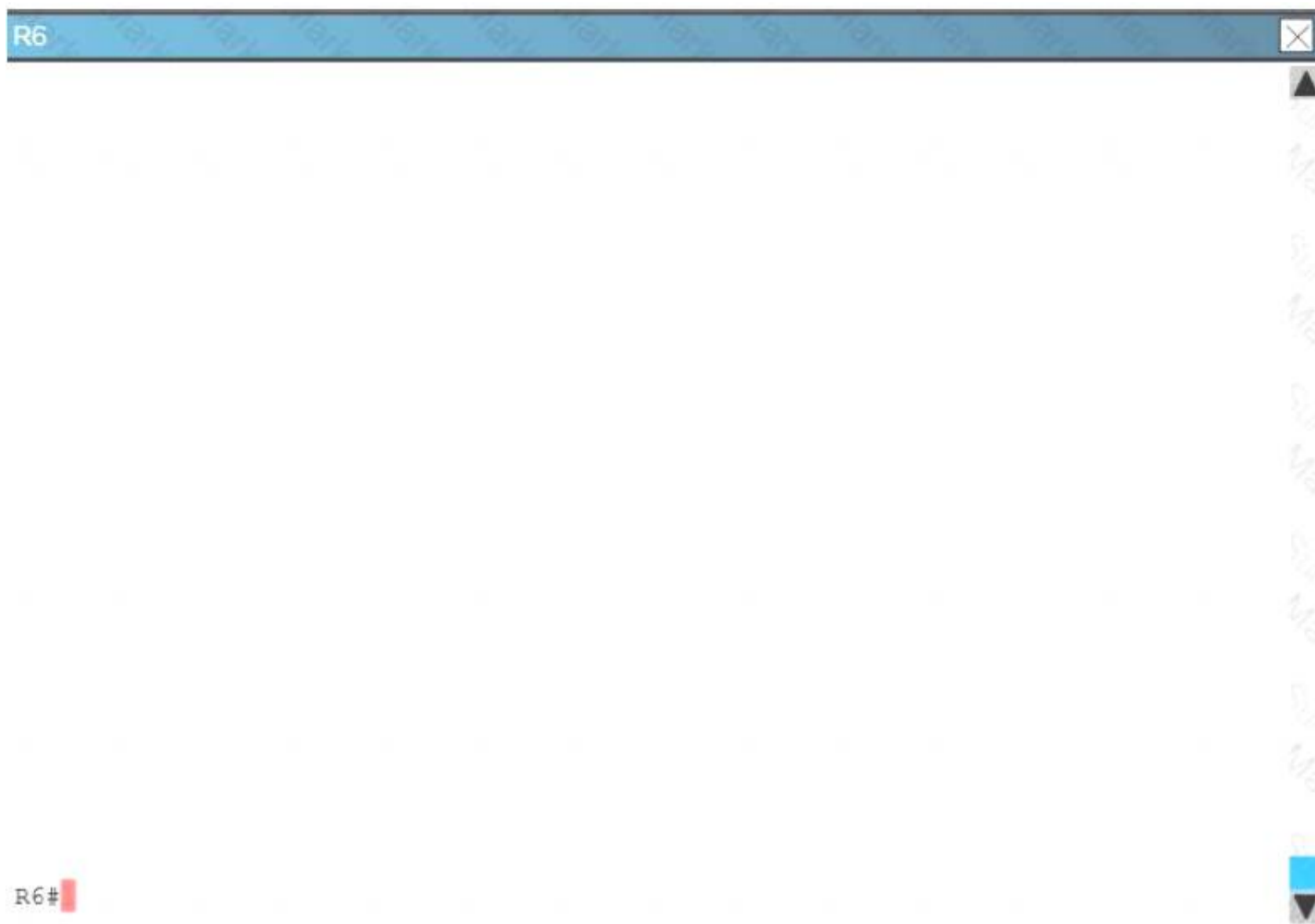


R4

R4#

R5

R5#



How old is the Type 4 LSA from Router 3 for area 1 on the router R5 based on the output you have examined?

- A. 1858
- B. 1601
- C. 600
- D. 1569

Answer: A

NEW QUESTION 34

A network engineer has configured an IOS router to synchronize its clock with a Windows server. After several minutes, the network engineer notices that the local time on the router does not match the time on the windows server. What is the reason for this?

- A. Either a firewall between the drives or an ACL on the router is blocking TCP port 958.
- B. Either a firewall between the two devices or an ACL on the router is blocking TCP port 123.
- C. Either a firewall between the two devices or an ACL on the router is blocking UDP port 123.
- D. Either a firewall between the two devices or an ACL on the router is blocking UDP port 858.

Answer: C

NEW QUESTION 39

A. remaining key lifetime

- A. path MTU
- B. invalid identity packets D inbound crypto map
- C. tagged packets
- D. untagged packets

Answer: ABD

NEW QUESTION 43

Which configuration parameter is invalid when configuration unicast reverse path forwarding?

- A. source reachable via both
- B. allow self to router
- C. allow based on ACL match
- D. allow default route

Answer: A

NEW QUESTION 45

Which two statements about AAA with the local database are true?(Choose two)

- A. The local database can serve only as a backup authentication method

- B. It supports a limited number of usernames and passwords Accounting is not supported locally
- C. By default, it is queried before a TACACS+ or RADIUS server
- D. Authorization is available only for one-time -use logins

Answer: BC

NEW QUESTION 50

When an EIGRP router discovers a new neighbor, which packet type does the router send to help the neighbor build its topology table?

- A. replies
- B. requests
- C. updates
- D. queries

Answer: C

Explanation: <https://www.cisco.com/c/en/us/support/docs/ip/enhanced-interior-gateway-routingprotocol-eigrp/13669-1.html#>
C:\Users\wk\Desktop\mudassar\Untitled.jpg

Updates are used to convey reachability of destinations. When a new neighbor is discovered, update packets are sent so the neighbor can build up its topology table. In this case, update packets are unicast. In other cases, such as a link cost change, updates are multicast. Updates are always transmitted reliably.

NEW QUESTION 55

Refer to the exhibit.

```
router eigrp 1
 redistribute bgp 1 route-map BGP_DEFAULT_ROUTE_RM
 network 2.0.0.0
 route-map BGP_DEFAULT_ROUTE_RM PERMIT 10
 match ip address prefix-list DEFAULT_ROUTE_PL
 ip prefix-list DEFAULT_ROUTE_PL seq 10 permit 0.0.0.0/0
```

For which reason is EIGRP failing to redistribute the default route?

- A. The EIGRP process is missing the default metric.
- B. The EIGRP process is missing the no auto-summary command.
- C. The EIGRP process is missing the router ID.
- D. The route-map statement is missing the match any keyword.

Answer: A

NEW QUESTION 57

have been asked to complete the implementation to allow this ping.


ROUTE.com's corporate implementation guidelines require:

- The OSPF process ID for all routers must be 85.
- The routing protocol for each interface must be enabled under the routing process.
- The routing protocol must be enabled for each interface using the most specific wildcard mask possible.
- The serial link between Seattle and StLouis must be in OSPF area 33.
- OSPF area 33 must not receive any inter-area or external routes.

Seattle
S0/0 : 192.168.39.5/30
Secret Password : cisco

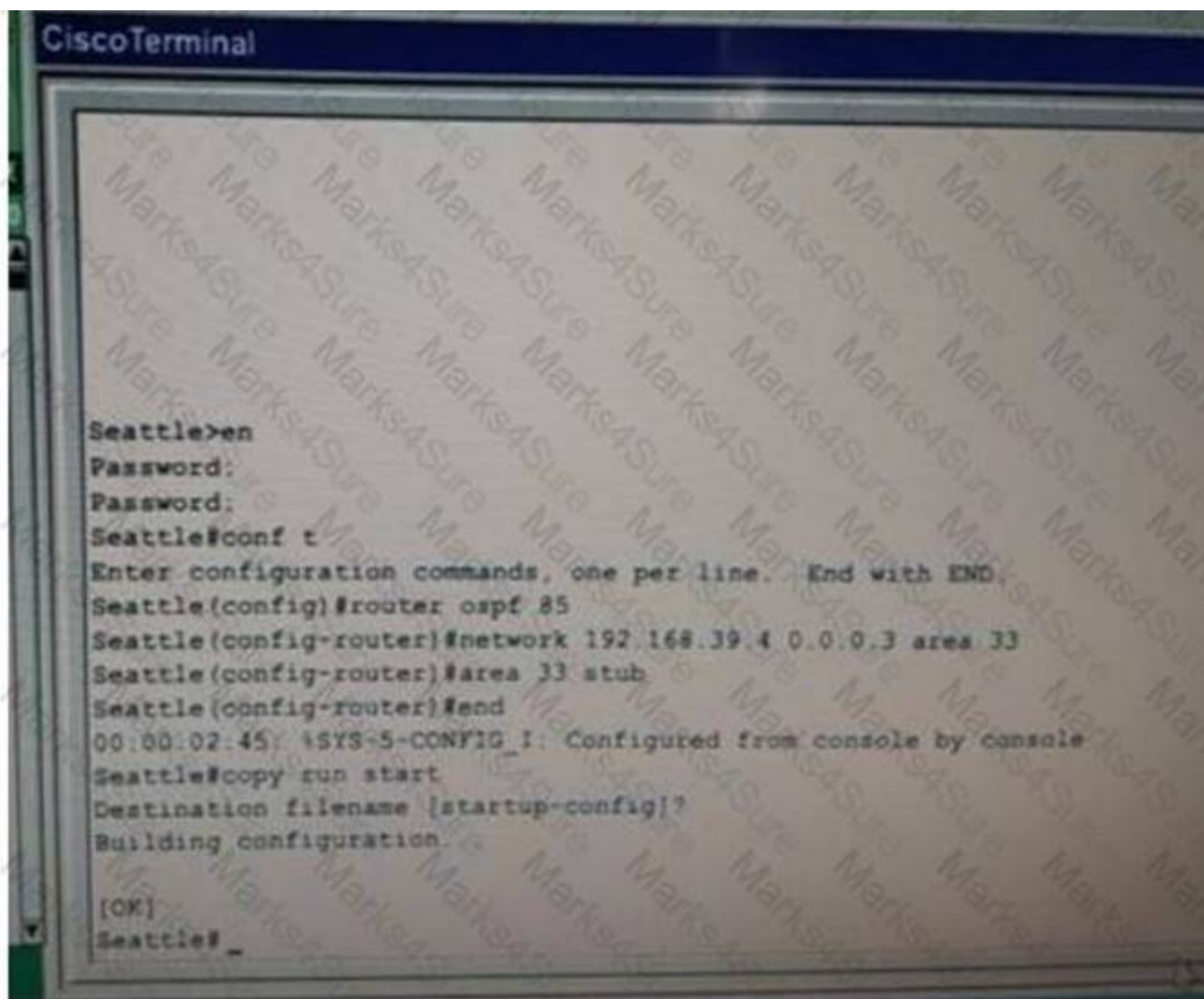
StLouis
S0/0 : 192.168.75.9/30
S0/1 : 192.168.39.6/30
Secret Password : cisco

Atlanta
S0/1 : 192.168.75.10/30
Loopback0 : 172.16.241.24

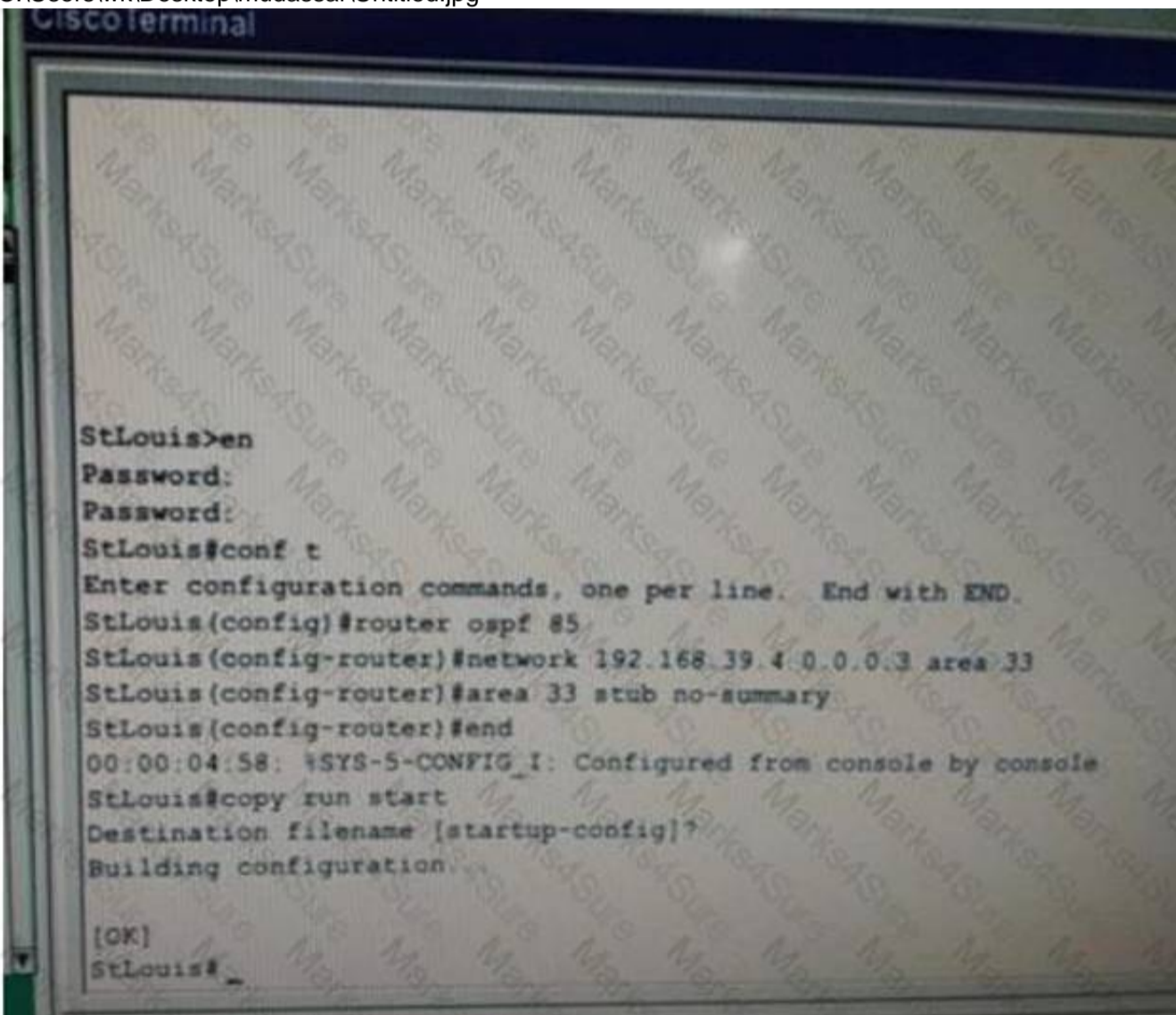


Answer:

Explanation: Below is detail answer given C:\Users\wk\Desktop\mudassar\Untitled.jpg



C:\Users\wk\Desktop\mudassar\Untitled.jpg



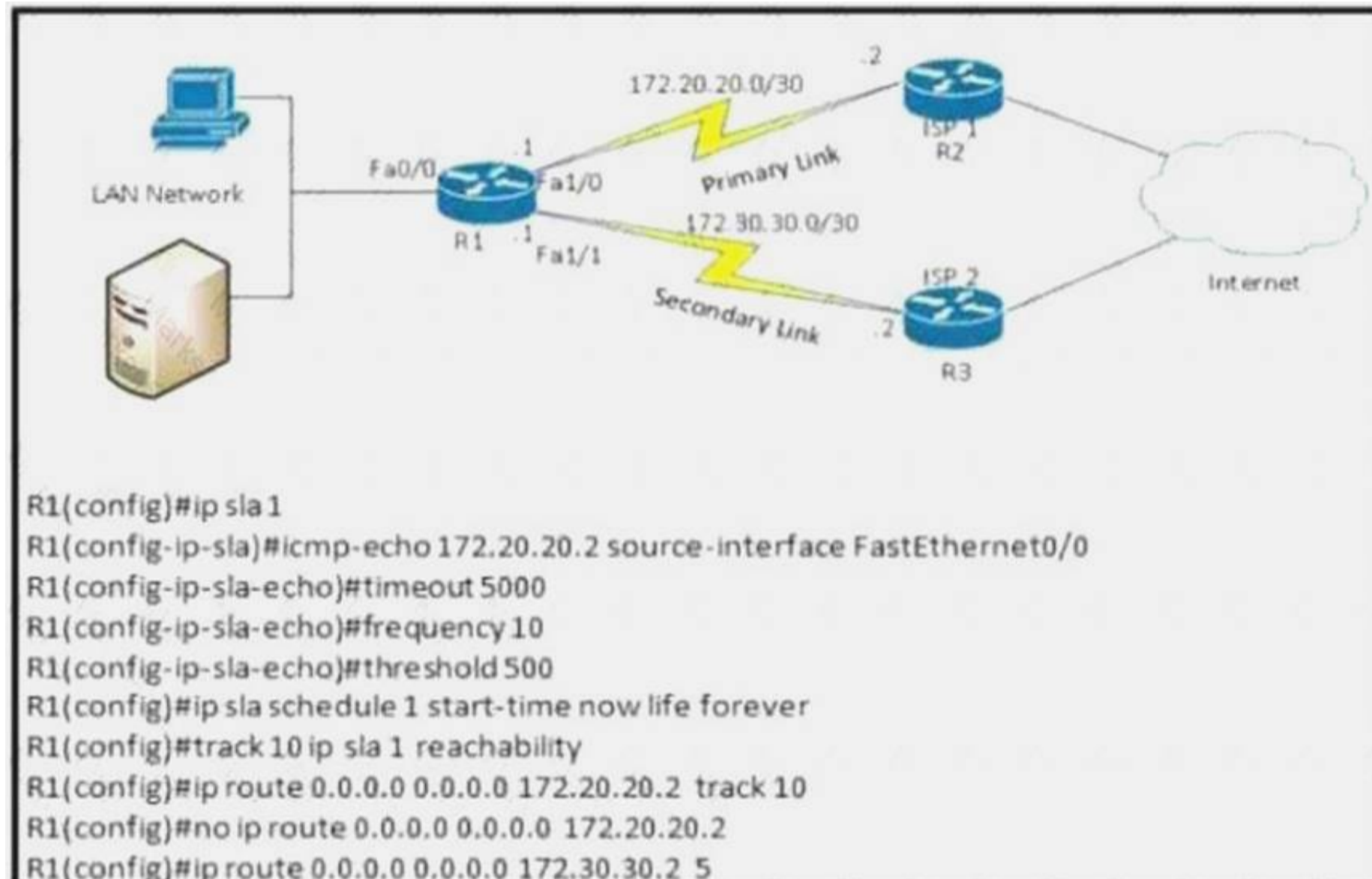
NEW QUESTION 59

What from the following can cause an issue for URPF? (this could be single answer or multiple choice) URPF FAIL
Reasons why urpf may fail:

- A. Asymmetric routing
- B. Cef not enabled
- C. Urpf not applied to the traffic source
- D. If it is used as ingress filtering

Answer: A

NEW QUESTION 63



Refer to the exhibit. Which two reasons for IP SLA tracking failure are true*? (Choose two)

- A. A route back to the R1 LAN network is missing in R2
- B. The threshold value is wrong
- C. The destination must be 172.30.30.2 for icmp-echo
- D. The default route has wrong next hop IP address
- E. The source-interface is configured incorrectly

Answer: AE

NEW QUESTION 65

The OSPF which type of Router CAN BE aggregated? (Choose two)

- A. the ABR
- B. the ASBR
- C. Backbone Router
- D. Intra Router

Answer: AB

NEW QUESTION 68

Where are EIGRP successor routes stored?

- A. In the routing table only
- B. In the neighbor table only
- C. In the topology table only
- D. In the routing table and the topology table
- E. In the routing table and the neighbor table

Answer: D

NEW QUESTION 71

Which two addresses types are included in NAT?

- A. inside global
- B. global outside
- C. outside internet
- D. inside internet
- E. outside local

Answer: AE

NEW QUESTION 75

Which OSPF network type uses a DR?

- A. Nonbroadcast multi-access
- B. point-to-point
- C. point-to-multipoint
- D. point-to-point nonbroadcast

Answer: A

Explanation: <https://learningnetwork.cisco.com/thread/35730>

NEW QUESTION 78

What happens when unicast flood protection is triggered on a VLAN?

- A. The VLAN is shut down
- B. Traffic on the VLAN is load-balanced across multiple links
- C. The VLAN is removed from the VLAN database
- D. Traffic on the VLAN is passed to another VLAN with lower load

Answer: A

NEW QUESTION 81

You need the IP address of the devices with which the router has established an adjacency. Also, the retransmit interval and the queue counts for the adjacent routers need to be checked. What command will display the required information?

- A. show ip eigrp adjacency
- B. show ip eigrp topology
- C. show ip eigrp interfaces
- D. show ip eigrp neighbor

Answer: D

NEW QUESTION 85

Considering the IPv6 address independence requirements, which process do you avoid when you use NPTv6 for translation?

- A. rewriting of higher layer information
- B. checksum verification
- C. ipv6 duplication and conservation
- D. IPSEC AH header modification

Answer: A

NEW QUESTION 88

When does a Cisco router send an ICMP redirect?

- A. when the packet's source and destination VRFs are different
- B. when the packet is source-routed
- C. when the packet's destination has load-balanced entries in the route table
- D. when the packet's ingress and egress interfaces are the same

Answer: D

Explanation: C:\Users\wk\Desktop\mudassar\Untitled.jpg

When Are ICMP Redirects Sent?

Cisco routers send ICMP redirects when all of these conditions are met:

- The interface on which the packet comes into the router is the same interface on which the packet gets routed out.
- The subnet or network of the source IP address is on the same subnet or network of the next-hop IP address of the routed packet.
- The datagram is not source-routed.
- The kernel is configured to send redirects. (By default, Cisco routers send ICMP redirects. The interface subcommand `no ip redirects` can be used to disable ICMP redirects.)

NEW QUESTION 90

Which type of address does OSPFv3 uses to form neighbor adjancises and to send LSAs?

- A. unicast addresses

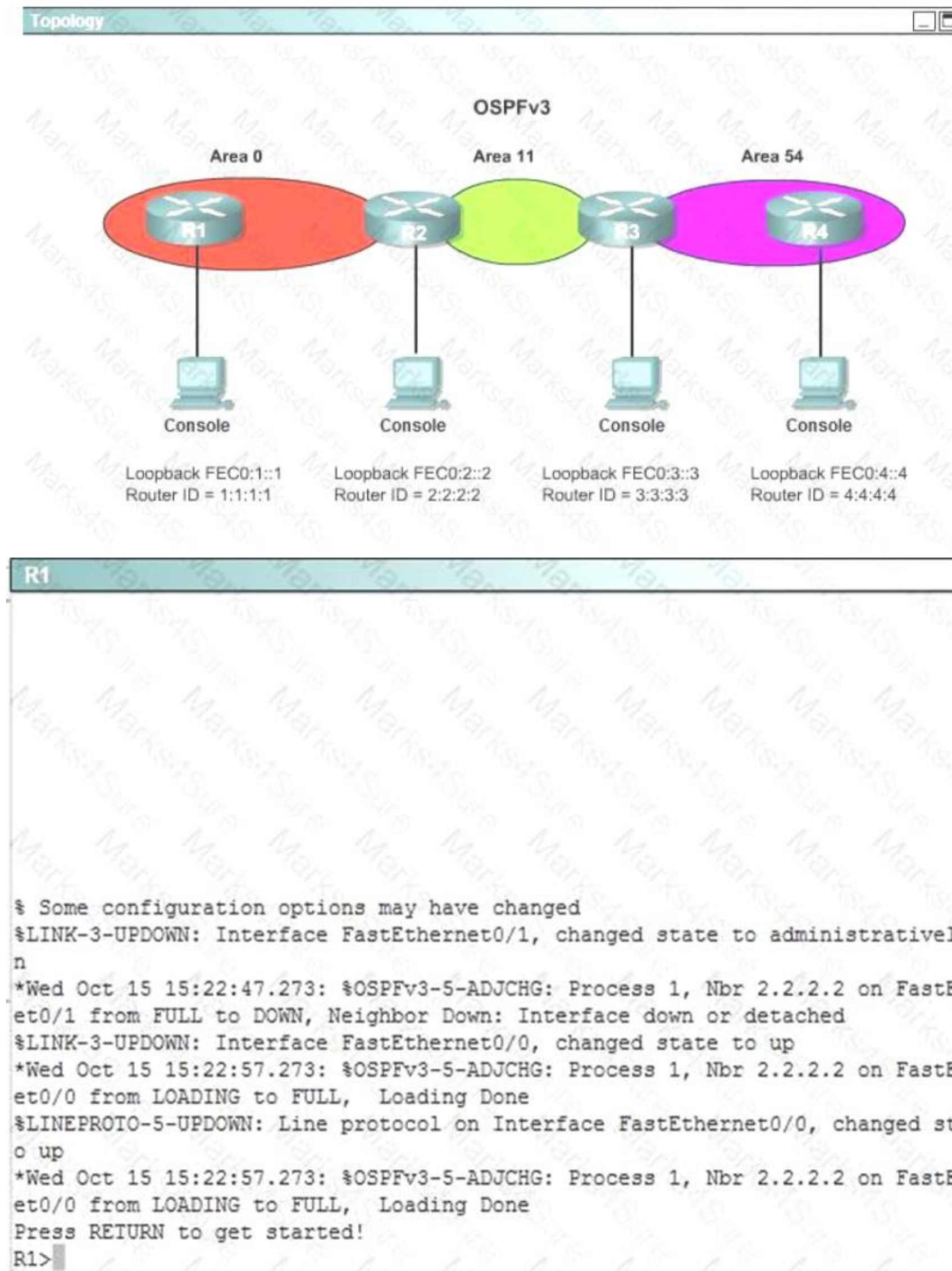
- B. tank-local addresses
- C. unicast IPv4 addresses
- D. unicast address FF02 5

Answer: A

NEW QUESTION 93

ROUTE.com is a small IT corporation that has an existing enterprise network that is running IPv6 OSPFv3. Currently OSPF is configured on all routers. However, R4's loopback address (FEC0:4:4) cannot be seen in R1's IPv6 routing table. You are tasked with identifying the cause of this fault and implementing the needed corrective actions that uses OPSF features and does not change the current area assignments. You will know that you have corrected the fault when R4's loopback address (FEC0:4:4) can be seen in RTs IPv6 routing table.

Special Note: To gain the maximum number of points you must remove all incorrect or unneeded configuration statements related to this issue.



```

R2
$ Some configuration options may have changed
$LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to administratively down
*Wed Oct 15 15:22:47.273: %OSPFv3-5-ADJCHG: Process 1, Nbr 2.2.2.2 on FastEthernet0/1 from FULL to DOWN, Neighbor Down: Interface down or detached
$LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Wed Oct 15 15:22:57.273: %OSPFv3-5-ADJCHG: Process 1, Nbr 2.2.2.2 on FastEthernet0/0 from LOADING to FULL, Loading Done
$LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
*Wed Oct 15 15:22:57.273: %OSPFv3-5-ADJCHG: Process 1, Nbr 2.2.2.2 on FastEthernet0/0 from LOADING to FULL, Loading Done
Press RETURN to get started!
R2>

```

```

R3
$ Some configuration options may have changed
*Wed Oct 15 15:22:47.367: %OSPFv3-5-ADJCHG: Process 1, Nbr 4.4.4.4 on OSPFv3_VL0 from LOADING to FULL, Loading Done
$LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to administratively down
*Wed Oct 15 15:22:47.273: %OSPFv3-5-ADJCHG: Process 1, Nbr 2.2.2.2 on FastEthernet0/1 from FULL to DOWN, Neighbor Down: Interface down or detached
$LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Wed Oct 15 15:22:57.273: %OSPFv3-5-ADJCHG: Process 1, Nbr 2.2.2.2 on FastEthernet0/0 from LOADING to FULL, Loading Done
$LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
*Wed Oct 15 15:22:57.273: %OSPFv3-5-ADJCHG: Process 1, Nbr 2.2.2.2 on FastEthernet0/0 from LOADING to FULL, Loading Done
Press RETURN to get started!
R3>

```

```

R4

% Some configuration options may have changed
%LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to administratively down
*Wed Oct 15 15:22:47.273: %OSPFv3-5-ADJCHG: Process 1, Nbr 2.2.2.2 on FastEthernet0/1 from FULL to DOWN, Neighbor Down: Interface down or detached
*Wed Oct 15 15:22:47.367: %OSPFv3-5-ADJCHG: Process 1, Nbr 3.3.3.3 on OSPFv3_VL0 from LOADING to FULL, Loading Done
%LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Wed Oct 15 15:22:57.273: %OSPFv3-5-ADJCHG: Process 1, Nbr 2.2.2.2 on FastEthernet0/0 from LOADING to FULL, Loading Done
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
*Wed Oct 15 15:22:57.273: %OSPFv3-5-ADJCHG: Process 1, Nbr 2.2.2.2 on FastEthernet0/0 from LOADING to FULL, Loading Done
Press RETURN to get started!
R4>

```

Answer:

Explanation: To troubleshoot the problem, first issue the show running-config on all of 4 routers. Pay more attention to the outputs of routers R2 and R3 The output of the "show running-config" command of R2:

```

<output omitted>
!
ipv6 router ospf 1
router-id 2.2.2.2
log-adjacency-changes
!
<output omitted>

```

The output of the "show running-config" command of R3:

```

<output omitted>
!
ipv6 router ospf 1
router-id 3.3.3.3
log-adjacency-changes
area 54 virtual-link 4.4.4.4
!
<output omitted>

```

We knew that all areas in an Open Shortest Path First (OSPF) autonomous system must be physically connected to the backbone area (Area 0). In some cases, where this is not possible, we can use a virtual link to connect to the backbone through a non-backbone area. The area through which you configure the virtual link is known as a transit area. In this case, the area 11 will become the transit area. Therefore, routers R2 and R3 must be configured with the area <area id> virtual-link <neighbor router-id> command. + Configure virtual link on R2 (from the first output above, we learned that the OSPF process ID of R2 is 1):

```

R2>enable
R2#configure terminal
R2(config)#ipv6 router ospf 1
R2(config-rtr)#area 11 virtual-link 3.3.3.3
R2(config-rtr)#end
R2#copy running-config startup-config

```

(Notice that we have to use neighbor router-id 3.3.3.3, not R2's router-id 2.2.2.2) + Configure virtual link on R3 (from the second output above, we learned that the OSPF process ID of R3 is 1 and we have to disable the wrong configuration of "area 54 virtual-link 4.4.4.4"):

```
R3>enable R3#configure terminal
R3(config)#ipv6 router ospf 1
R3(config-rtr)#no area 54 virtual-link 4.4.4.4
R3(config-rtr)#area 11 virtual-link 2.2.2.2 Save the configuration:
R3(config-rtr)#end
R3#copy running-config startup-config
```

You should check the configuration of R4, too. Make sure to remove the incorrect configuration statements to get the full points.

```
R4(config)#ipv6 router ospf 1
R4(config-router)#no area 54 virtual-link 3.3.3.3 R4(config-router)#end
```

After finishing the configuration doesn't forget to ping between R1 and R4 to make sure they work.

Note. If you want to check the routing information, use the show ipv6 route command, not "show ip route".

NEW QUESTION 98

Which two statements about GRE tunnel interfaces are true? (Choose two)

- A. To establish a tunnel the source interface must be in the up/up state.
- B. To establish a tunnel the source interface must be a Loopback.
- C. A tunnel destination must be a physical interface that is in the up state.
- D. A tunnel destination must be routable but can be unreachable.
- E. A tunnel can be established when the source interface is in the up/down state.

Answer: CD

NEW QUESTION 103

—options were little bit modified

Which of the following are characteristics of TACACS+? (Choose two.)

- A. Uses UDP
- B. Encrypts an entire packet
- C. Offers robust accounting
- D. Cisco-proprietary

Answer: BD

NEW QUESTION 105

Which two steps must you perform to allow access to a device when the connection to a remote TACACS+ authentication server fails? (Choose two)

- A. include the local keyword in the AAA configuration
- B. Configure accounting to reference the log of previously authenticated connections
- C. Configure the device to accept Telnet and SSH connections.
- D. Remove the aaa new model command from the global configuration
- E. Configure a local username and password on the device

Answer: BE

NEW QUESTION 107

Configuration snippet that looks similar to this: ip access-list 1 permit xx xx
ip nat inside source list 1 int fa0/0 overload What is this an example of ?

- A. static NAT
- B. NAT64
- C. PAT
- D. dynamic NAT
- E. NPTv6

Answer: C

NEW QUESTION 111

How to set up IP SLA to monitor Bandwidth between the certain limits?

- A. Timer
- B. Frequency
- C. Threshold
- D. Queue-limit

Answer: C

NEW QUESTION 113

Which two statements are differences between AAA with TACACS+ and AAA with RADIUS? (Choose two)

- A. Only RADIUS uses TCP
- B. Unlike TACACS+, RADIUS sends packets with only the password encrypted
- C. Unlike TACACS+, RADIUS supports accounting and authorization only
- D. Only TACACS+ uses TCP
- E. Only TACACS+ combines authentication and authorization

Answer: BD

NEW QUESTION 118

Technologies used in preparing Service Provider IPv6? (Choose Two)

- A. 6ND
- B. 6RD
- C. 6VPE
- D. VRF-Lite
- E. DS-Lite
- F. Dual-stackA

Answer: BE

NEW QUESTION 122

Which type of Netflow information is displayed when the show ip flow export command is executed?

- A. sent status and statistics
- B. top talkers
- C. export interface configurations
- D. local status and statistics

Answer: D

NEW QUESTION 126

What does SNMP v2c use for authentication?

- A. community string
- B. hash algorithm
- C. SSL certificate
- D. username and password

Answer: A

NEW QUESTION 127

A network engineer wants to implement an SNMP process for host machines using the strongest security available which command accomplishes this task?

- A. router(config)#snmp-server-host 172-16-200.225 traps v3
- B. router(config)#snmp-server-host 172-16-200.225 traps v2c auth
- C. router(config)#snmp-server-host 172-16-200.225 traps v1
- D. router(config)#snmp-server-host 172-16-200.225 traps v2c

Answer: A

NEW QUESTION 132

Which configuration can you apply to a device so that it always blocks outbound web traffic on Saturdays and Sundays between the hours of 1:00 AM and 11:59 PM?

- A. time-range SATSUN periodic Saturday Sunday 1:00 to 23:59 access-list 102 permit udp any any eq 80 time-range SATSUN access-list 102 permit tcp any any eq 443 time-range SATSUN interface Vlan303ip address 10.9.5.3 255.255.255.0 ip access-group 102 out
- B. time-range SATSUN periodic Saturday Sunday 1:00 to 23:59 access-list 102 permit tcp any any eq 80 time-range SATSUN access-list 102 permit tcp any any eq 443 time-range SATSUN interface Vlan303ip address 10.9.5.3 255.255.255.0 ip access-group 102 in
- C. time-range SATSUN periodic Saturday Sunday 1:00 to 11:59 access-list 102 permit tcp any any eq 80 time-range SATSUN access-list 102 permit tcp any any eq 443 time-range SATSUN interface Vlan303ip address 10.9.5.3 255.255.255.0 ip access-group 102 in
- D. time-range SATSUN absolute Saturday Sunday 1:00 to 23:59 access-list 102 permit tcp any any eq 80 time-range SATSUN access-list 102 permit tcp any any eq 443 time-range SATSUN interface Vlan303ip address 10.9.5.3 255.255.255.0 ip access-group 102 in

Answer: B

NEW QUESTION 133

What are two important differences between OSPFv2 and OSPFv3? (Choose two.)

- A. Only OSPFv3 provides support for IPv6.
- B. Only OSPFv3 automatically chooses a router ID for the local device.
- C. Only OSPFv3 supports multiple OSPF instances on a single link.
- D. Only OSPFv3 automatically enables interfaces when you create them in device configuration mode.
- E. Only OSPFv3 automatically detects OSPF neighbors on an NBMA interface.

Answer: AC

NEW QUESTION 134

A Network engineer recently deployed easy virtual networking in the enterprise network. Which feature improves shared services support?

- A. router replication

- B. tunnel feedback
- C. routers distinguishers
- D. edge interfacing

Answer: A

NEW QUESTION 135

What is VRF-Lite?

- A. VRF without VPN
- B. VRF without MPLS
- C. VRF without Cisco Express Forwarding swrtching
- D. VRF without independent routing tables

Answer: C

NEW QUESTION 138

During which DMVPN phase is spoke to-spoke communication enabled?

- A. Phase 4
- B. Phase 1
- C. Phase 2
- D. Phase 5

Answer: C

NEW QUESTION 140

Refer to the exhibit.

```
interface gigabitethernet 2/0/0 vnet trunk
```

```
ip address 192.168.1.1 255.255.255.0
```

```
vnet name cisco
```

Which effect of this configuration is true?

- A. It designates the interface as a GRE tunnel endpoint
- B. It configures 802.1q trunking on the interface
- C. It designates the interface as an EVN trunk
- D. It removes VTP from the interface

Answer: C

NEW QUESTION 141

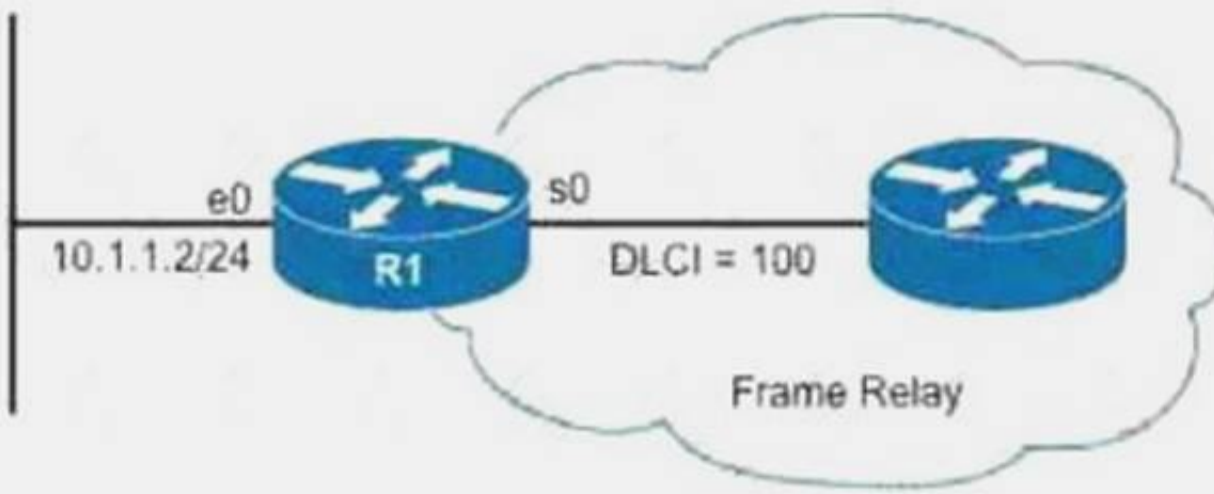
Which problem can be caused by latency on a UDP stream?

- A. The devices at each end of the stream are forced to negotiate a smaller vwndow size.
- B. The device that receives the stream is forced to hold data m the buffer for a longer penod of time.
- C. The device that sends the stream is forced to hold data in the buffer for a longer period of time.
- D. The overall throughput of the stream is decreased.

Answer: B

NEW QUESTION 142

Refer to the exhibit.



```

interface Serial0
  A
  encapsulation frame-relay
  frame-relay lmi-type ansi

! subinterface config
  B
  C

interface virtual-template1
  ip unnumbered ethernet 0
  D
  
```

You are configuring the R1 Serial0 interface for a point-to-point connection. Drag and drop the required configuration statements from the left onto the correct locations from the diagram on the right Not all commands are used.

| | |
|--|---|
| frame-relay interface-dlci 100 ppp virtual-template1 | A |
| interface serial0.1 point-to-point | B |
| interface serial0.100 | C |
| ip unnumbered ethernet 0 | D |
| no ip address | |
| ppp authentication chap | |

Answer:

Explanation:



NEW QUESTION 143

Which two statements about uRPF are true? (Choose two)

- A. It is enabled on a per-interface basis
- B. Strict mode is most appropriate for networks with asymmetric routing
- C. Strict mode may drop legitimate traffic
- D. The keyword any can be used with both strict mode and loose mode
- E. Loose mode may drop traffic when asymmetric routing occurs on the network

Answer: AD

NEW QUESTION 148

Question on PPPoE ? (Choose Two)

- A. A PADI (PPPoE Active Discovery Initiation) broadcast signal is sent by the host to the remote devices
- B. A PADR (PPPoE Active Discovery Request) unicast signal is sent to confirm the remote device
- C. (Confirmation done on PADS)
- D. A PADR (PPPoE Active Discovery Request) broadcast signal is sent by the host to the remote device.
- E. A PADO (PPPoE Active Discovery Offer) signal is sent by the remote device back to the host.
- F. A PADT (PPPoE Active Discovery Terminate) signal

Answer: AD

NEW QUESTION 150

A network engineer wants to baseline the network to determine suitability for real-time voice applications. Which IP SLA operation is best suited for this task?

- A. ICMP-echo
- B. ICMP-jitter
- C. UDP-connect
- D. UDP-jitter
- E. TCP-connect
- F. UDP-echo

Answer: D

NEW QUESTION 152

Which IOS commands can you use to limit the CPU impact of log generation and transmission on an IOS router?

- A. You can use the ip access-list logging interval command in conjunction with the logging rate-limit command
- B. You can use the ip access-list logging limit command in conjunction with the logging rate-interval command
- C. You can use the ip access-list syslog-logging interval command in conjunction with the loggingrate-limit command
- D. You can use the ip access-list logged interval command in conjunction with the logging rate-limit command

Answer: A

NEW QUESTION 156

Which Cisco Express Forwarding component maintains the Layer 2 next-hop addresses that are used for hardware switching?

- A. FIB
- B. RIB
- C. adjacency table
- D. ARP table

Answer: C

NEW QUESTION 157

Which LAN feature enables a default gateway to inform its end devices when a better path to a destination is available?

- A. HSRP
- B. proxy ARP
- C. ICMP redirects
- D. ICMP unreachable

Answer: C

NEW QUESTION 160

Which statement about split-horizon rule for distance vector routing protocols are true? A router advertises a route to an unreachable network with an infinite metric.

A router does not advertise routes to any neighboring router.

A router advertises routes back out the interface on which it learned them with an infinite metric.

- A. A router does not advertise routes back out the interface on which it learned the

Answer: A

NEW QUESTION 162

Which three methods can a network engineer use to fix a metric-based routing loop in the network?(choose three)

- A. Filter routes manually using prefix lists
- B. Implement proper network summarization on key routing points
- C. Utilize route database filters
- D. Filter routes based on tags
- E. Implement offset lists at network boundaries
- F. Filter routes manually using distribute lists

Answer: DEF

NEW QUESTION 163

Refer to the exhibit.

```
ip sla 100
icmp-echo 10.0.0.1 source-ip 10.0.0.2
frequency 30
ip sla schedule 100 life forever start-time now
!
track 1 ip sla 100 reachability
!
ip route 0.0.0.0 0.0.0.0 10.0.0.1 track 1
ip route 0.0.0.0 0.0.0.0 192.168.0.1 2
```

Which statement describes the effect of this configuration on a Cisco router?

- A. The default route through 10.0.0.1 is never used
- B. The default route through 192.168.0.1 is used only when 10.0.0.1 is unreachable
- C. The default route through 192.168.0.1 is never used
- D. The default route through 10.0.0.1 is used only when 192.168.0.1 is unreachable

Answer: D

NEW QUESTION 167

Which access list entry checks for an ACK within a packet TCP header?

- A. access-list 49 permit tcp any any eq 21 established
- B. access-list 49 permit tcp any any eq 21 tcp-ack
- C. access-list 149 permit tcp any any eq 21 established
- D. access-list 49 permit ip any any eq 21 tcp-ack

Answer: C

NEW QUESTION 170

50. Which SNMP verification command shows the encryption and authentication protocols that are used in SNMPv3?

- A. show snmp vi
- B. show snmp user
- C. show snmp group
- D. show snmp

Answer: B

NEW QUESTION 174

Which two features were added in MSCHAP version 2?(choose 2)

- A. Mutual authentication between peers.
- B. Using the MD5 hash for stronger security
- C. Using three-way handshakes for authentication.
- D. Ability to change an expired password
- E. Backward-compatibility with MSCHAP version 1.

Answer: AD

NEW QUESTION 177

Refer to the exhibit.



Which LSA type does R3 propagate into Area 1 for the 192.168.10.0/24 network?

- A. type 3 LSA
- B. type 5 LSA
- C. type 7 LSA
- D. type 10

Answer: B

NEW QUESTION 182

Your network consists of a large hub-and-spoke Frame Relay network with a CIR of 56 kb/s for each spoke. Which statement about the selection of a dynamic protocol is true?

- A. EIGRP would be appropriate if LMI type ANSI is NOT used.
- B. EIGRP would be appropriate, because the Frame Relay spokes could be segmented into their own areas
- C. EIGRP would be appropriate, because by default, queries are not propagated across the slow speed Frame Relay links.
- D. EIGRP would be appropriate, because you can manage how much bandwidth is consumed over the Frame Relay interface.

Answer: D

NEW QUESTION 186

Which feature can mitigate fragmentation issues within network segments that are between GRE endpoints?

- A. TCP Flow Control
- B. ICMP DF bit
- C. TCP MSS
- D. PMTU

Answer: D

NEW QUESTION 191

Which two statements about NetFlow templates are true? (Choose two.)

- A. Only NetFlow version 9 is template based.
- B. NetFlow version 5 and version 9 are template based.
- C. Only NetFlow version 5 is template based.
- D. Template can increased bandwidth usage.
- E. They can increase overall performance.
- F. They can reduce bandwidth usage.

Answer: AD

NEW QUESTION 196

A router was configured with the EIRGP stub command. The router advertises which types of routes?

- A. static and summary
- B. connected, static, and summary
- C. connected and static
- D. connected and summary

Answer: D

NEW QUESTION 199

In which two ways can split horizon issues be overcome in a Frame Relay network environment? (Choose two)

- A. enabling split horizon
- B. configuring one physical serial interface with Frame Relay to various remote sites
- C. disabling split horizon
- D. configure a loopback interface with Frame Relay to various remote sites
- E. configuring multiple subinterfaces on a single physical interface to

Answer: CE

NEW QUESTION 203

A network engineer wants to implement an SNMP notification process for host machines using the strongest security available. Which command accomplishes this task?

- A. router(config)#snmp-server host 172.16.200.225 traps v2c auth
- B. router(config)#snmp-server host 172.16.200.225 traps v1
- C. router(config)#snmp-server host 172.16.200.225 traps v3
- D. router(config)#snmp-server host 172.16.200.225 traps v2c

Answer: C

NEW QUESTION 206

Drag and drop the statement from the left onto the correct IPv6 router security features on the right.

It controls traffic to and from the router.

It filters management traffic.

It filters traffic at the interface level.

It requires the destination address for inbound traffic to be a local address.

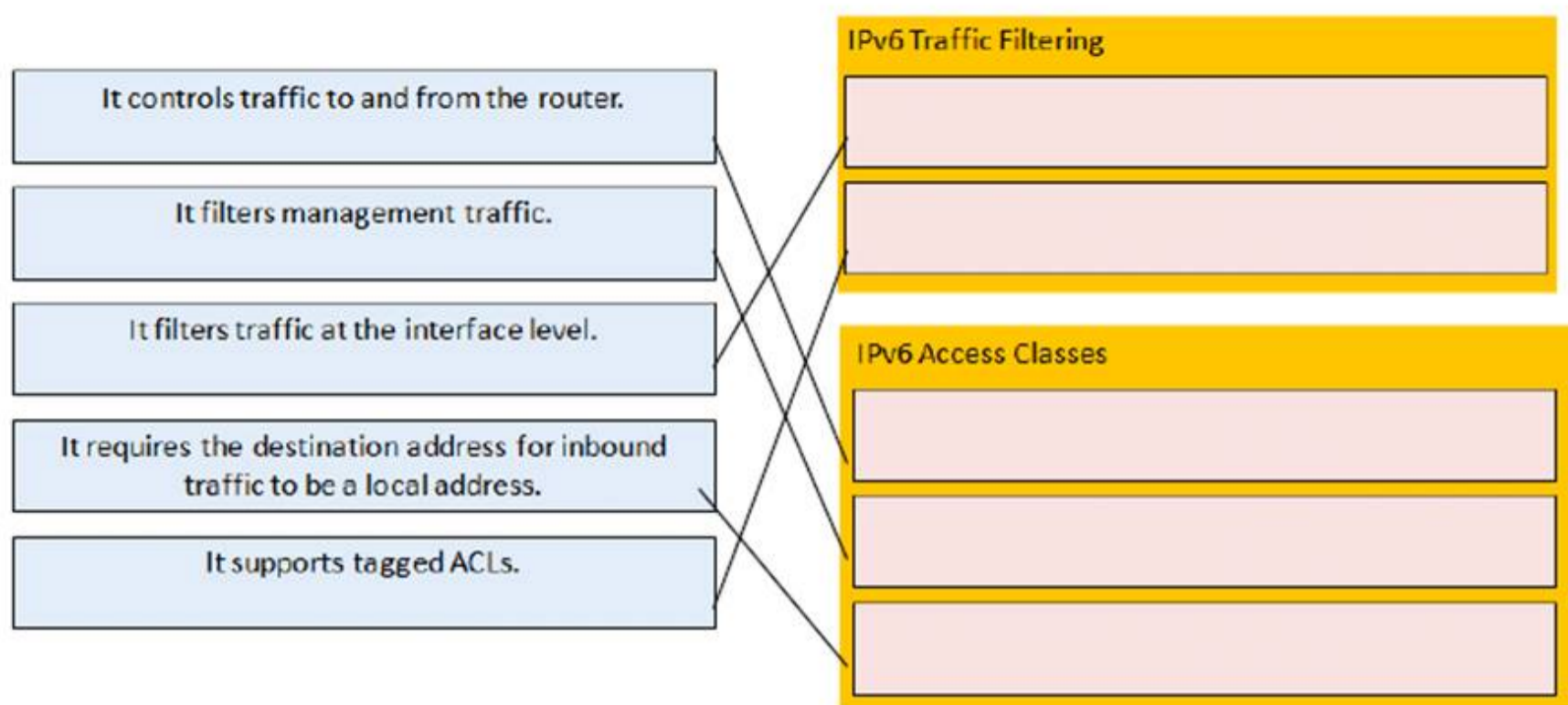
It supports tagged ACLs.

IPv6 Traffic Filtering

IPv6 Access Classes

Answer:

Explanation:



NEW QUESTION 208

which the Valid range for BGP private ASNs?

- A. 64512-65535
- B. 62464-65534
- C. 64512-65024
- D. 62464-64511

Answer: A

NEW QUESTION 209

Which two features does RADIUS combine?(Choose two)

- A. authorization
- B. authentication
- C. ssh
- D. accounting
- E. Telnet

Answer: AB

NEW QUESTION 213

Which two EIGRP metrics have nonzero K values by default? (Choose two.)

- A. reliability
- B. delay
- C. cost
- D. load
- E. bandwidth

Answer: BE

NEW QUESTION 215

Refer to the exhibit.

```
router eigrp 1
 redistribute ospf 100
 network 10.10.10.0 0.0.0.255
 auto-summary
 !
router ospf 100
 network 172.16.0.0 0.0.255.255 area 100
 redistribute eigrp 1
```

Which option describes why the EIGRP neighbors of this router are not learning routes that are received from OSPF?

- A. The routing protocols do not have the same AS number.

- B. There is no overlap in the subnets advertised.
- C. The subnet defined in OSPF is not part of area 0.
- D. Default metrics are not configured under EIGRP.

Answer: D

NEW QUESTION 220

Which feature mitigates fragmentation issues caused by endpoint hosts?

- A. MSS HMTU
- B. ICMP
- C. ICMP DF bit
- D. TCP How Control

Answer: B

NEW QUESTION 224

Which command sequence can you enter on a router to configure Unicast Reverse Path Forwarding in loose mode?

- A. interface GigabitEthernet0/0 ip verify unicast source reachable-via loose
- B. interface GigabitEthernet0/0 ip verify unicast source reachable-via all
- C. interface GigabitEthernet0/0 ip verify unicast source reachable-via any
- D. interface GigabitEthernet0/0 ip verify unicast source reachable-via rx

Answer: C

NEW QUESTION 225

Which statement about dynamic NAT is true?

- A. It maps inside addresses to different port numbers.
- B. It creates a one-to-one mapping of inside addresses to a global address.
- C. It uses the overload command to map addresses.
- D. It maps inside addresses to a pool of global addresses.

Answer: D

NEW QUESTION 227

Which value Identifies VPNs in an EVN environment?

- A. route target
- B. VLAN ID
- C. DLCI
- D. virtual network tag

Answer: D

NEW QUESTION 229

Which two commands must you configure in the calling router to support the PPPoE client? (Choose two.)

- A. pppoe enable group
- B. mtu
- C. peer default ip address pool
- D. pppoe-client dial-pool-numb
- E. bba-group pppoe

Answer: BD

NEW QUESTION 234

Considering the IPv6 address independence requirement, which process do you avoid when you use NPT6 for translation?

- A. IPsec AH header modification
- B. checksum verification
- C. IPv6 duplication and conservation
- D. Rewriting of higher layer information

Answer: D

NEW QUESTION 239

Refer in the exhibit. A packet capture indicates that the router is not forwarding the DHCP packets that it receives on interface FastEthernet0/0. Which command needs to be entered in global configuration mode to resolve this issue?

- A. ip DHCP relay
- B. ip helper
- C. ip forward-protocol
- D. service DHCP

Answer: C

NEW QUESTION 240

Which statement about IP SLA feature is true?

- A. It ensures that there are appropriate levels of service for network applications
- B. It classifies various traffic types by examining information within Layers 3 through 7
- C. It measures how the network treats traffic for specific applications by generating traffic that bears similar characteristics to application traffic.
- D. It keeps track of the number of packets and bytes that are observed in each flow by storing information in a cache flow

Answer: A

NEW QUESTION 245

Which two types of traffic can benefit from LLQ? (Choose two)

- A. voice
- B. telnet
- C. video
- D. file transfer
- E. email

Answer: AC

NEW QUESTION 250

How big is the smallest packet that will always be fragmented on a standard Ethernet network with default configuration?

- A. 1500 bytes
- B. 1800 bytes
- C. 2048 bytes
- D. 2100bytes

Answer: A

NEW QUESTION 253

After reviewing the EVN configuration, a network admin notice that a predefined EVN, which is know as vnet global was configured. What is the purpose of this EVN?

- A. It refers to the global context and corresponds to the default RIB.
- B. It aggregates and carries dot1q tagged traffic.
- C. It defines the routing scope for each particular EVN edge interface.
- D. It safeguards the virtual that is preconfigure to avoid mismatched routing instances.

Answer: A

NEW QUESTION 255

Which command creates a manual summary on an interface when using EIGRP?

- A. ip summary-address 100 172.32.0.0 255.255 254.0
- B. ip summary-address eigrp 100 172.32.0.0 255.255.254.0
- C. summary-address eigrp 100 172.32.0.0 255.255.254.0
- D. area 100 range 172.32.0.0 255.255.254.0

Answer: B

NEW QUESTION 259

how route tags can be set (choose two)

- A. only with route-maps
- B. only with taglists
- C. can be set with route-maps
- D. can be set with taglist.
- E. only used on link state RPs.

Answer: CD

NEW QUESTION 264

Which two effects of symmetric routing are true? (Choose two)

- A. unicast flooding
- B. uRPF failure
- C. errdisabling of ports
- D. port security violations
- E. excessive STP reconvergence

Answer: AB

NEW QUESTION 269

OSPF chooses routes in which order, regardless of route's administrative distance and metric?

- A. Intra-Area (O) - Inter-Area (O IA) - External Type 1 (E1) - External Type 2 (E2) - NSSA Type 1 (N1) - NSSA Type 2 (N2)
- B. Intra-Area (O) - Inter-Area (O IA) - NSSA Type 1 (N1) - NSSA Type 2 (N2) - External Type 1 (E1) - External Type 2 (E2)
- C. Intra-Area (O) - Inter-Area (O IA) - NSSA Type 1 (N1) - External Type 1 (E1) - NSSA Type 2 (N2) - External Type 2 (E2)
- D. Intra-Area (O) - NSSA Type 1 (N1) - External Type 1 (E1) - Inter-Area (O IA) - NSSA Type 2 (N2) - External Type 2 (E2)
- E. Intra-Area (O) - Inter-Area (O IA) - NSSA Type 1 (N1) - External Type 1 (E1) - NSSA Type 2 (N2) - External Type 2 (E2)
- F. NSSA Type 1 (N1) - NSSA Type 2 (N2) - Intra-Area (O) - Inter-Area (O IA) - External Type 1 (E1) - External Type 2 (E2)

Answer: A

NEW QUESTION 274

When Unicast Reverse Path Forwarding is configured on an interface, which action does the interface take first when it receives a packet?

- A. It checks the ingress access lists
- B. It verifies a reverse path via the FIB to the source
- C. It checks the egress access lists
- D. It verifies that the source has a valid CEF adjacency

Answer: D

NEW QUESTION 276

Which calculation is used to determine the default EIGRP metric?

- A. bandwidth - delay
- B. bandwidth ÷ delay
- C. bandwidth * delay
- D. bandwidth/Delay

Answer: D

NEW QUESTION 280

Which SNMP version provides both encryption and authentication?

- A. SNMPv4
- B. SNMPv2c
- C. SNMPv3
- D. SNMPv1

Answer: C

NEW QUESTION 285

Which command can be entered on router R5 to configure 80 percent of the bandwidth of a link for EIGRP Autonomous System 55?

- A. R5(config-if)#ip bandwidth percent eigrp bandwidth 55 80
- B. R5(config-pmap-c)#priority percent 80 C R5(config-if)#ip
- C. R5(config-if)#ip bandwidth percent eigrp 80 55
- D. R5(config-if)#ipv6 bandwidth-percent eigrp 80 55
- E. R5(config-if)#ipv6 bandwidth-percent eigrp 55 80

Answer: E

NEW QUESTION 290

Which routing protocol does DMVPN support? (Choose three)

- A. ISIS
- B. RIP
- C. EIGRP
- D. OSPF
- E. BGP

Answer: CDE

NEW QUESTION 292

Which address is an IPv6 multicast address?

- A. 2002 0 :0: 0 :0 :0 :0: 2
- B. 00020 0 :0:0: 0:0:2
- C. FF02.0.:0 :0 :0:0 :0 :2
- D. FE02 0:0 :0 :0 :0:0:2

Answer: C

NEW QUESTION 294

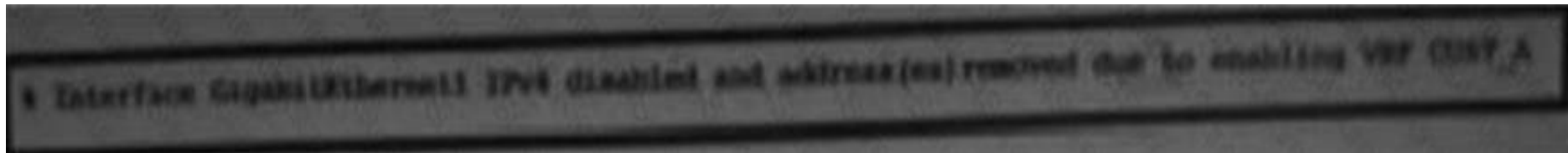
Traffic from R1 to R6 loopback address is load shared between R1-R2-R4-R6 and R1-R3-R5-R6 path. What is the ratio of the traffic over each path?

- A. 1:1
- B. 1:5
- C. 6:8
- D. 19:80

Answer: D

NEW QUESTION 296

Refer to the exhibit.



% Interface GigabitEthernet1 IPv4 disabled and address(es) removed due to enabling VRF CUST_A

an engineer is enabling VPN services for a customer and noticed the output when placing the customer facing interfaces into a VRF which action connects the issue?

- A. Reset interface Gigabit Ethernet 1.
- B. Disable the VRF CUST_A
- C. Reconfigure the IP address on Gigabit Ethernet 1.
- D. Enabling IPv6 on the interface

Answer: C

NEW QUESTION 300

A route map was configured and it was distributing OSPF external routes

- A. Distributing E1 only
- B. Distributing E1 and E2 using prefix list
- C. Distributing E1 and E2 using access list
- D. Distributing E2 routes

Answer: B

NEW QUESTION 302

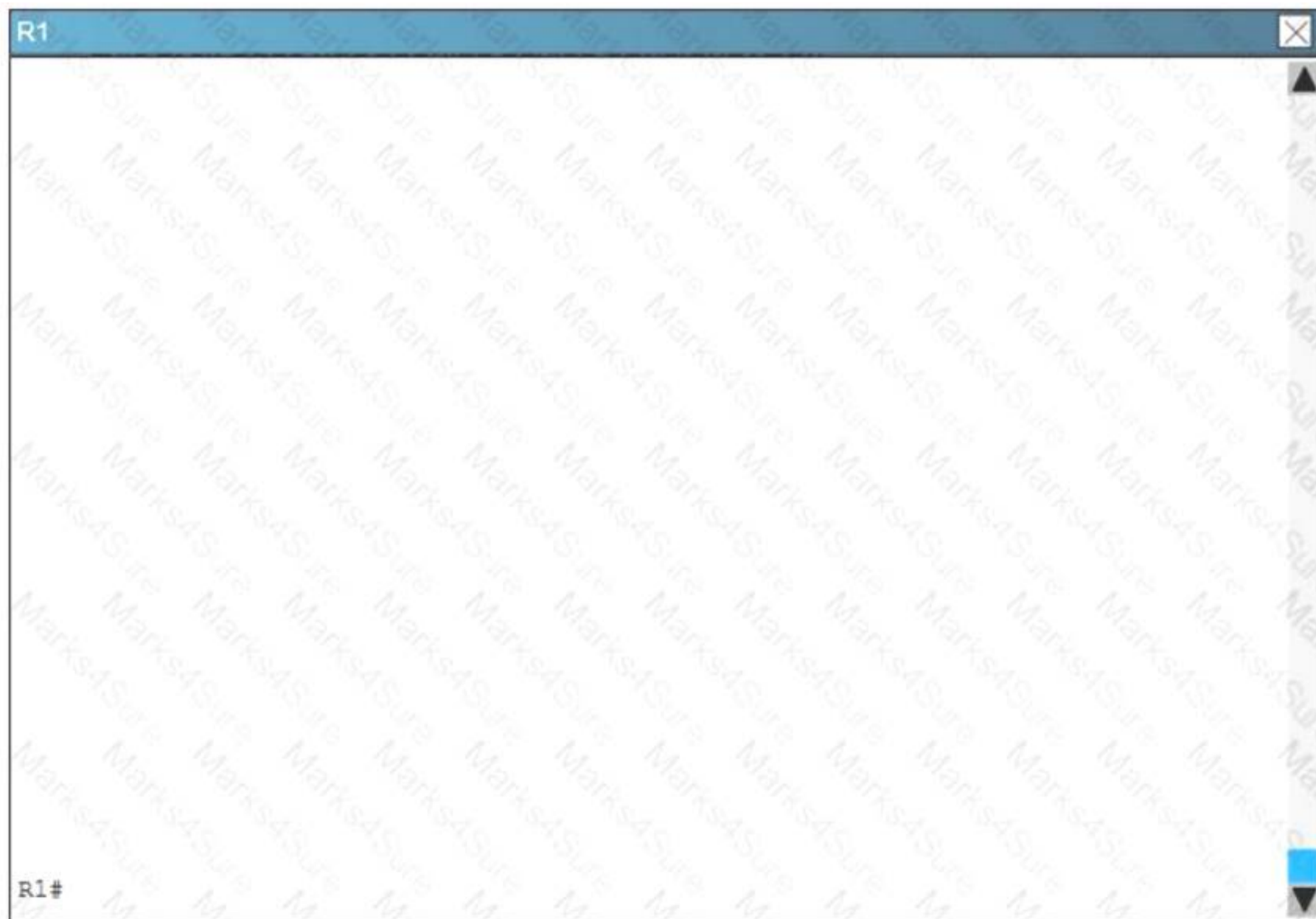
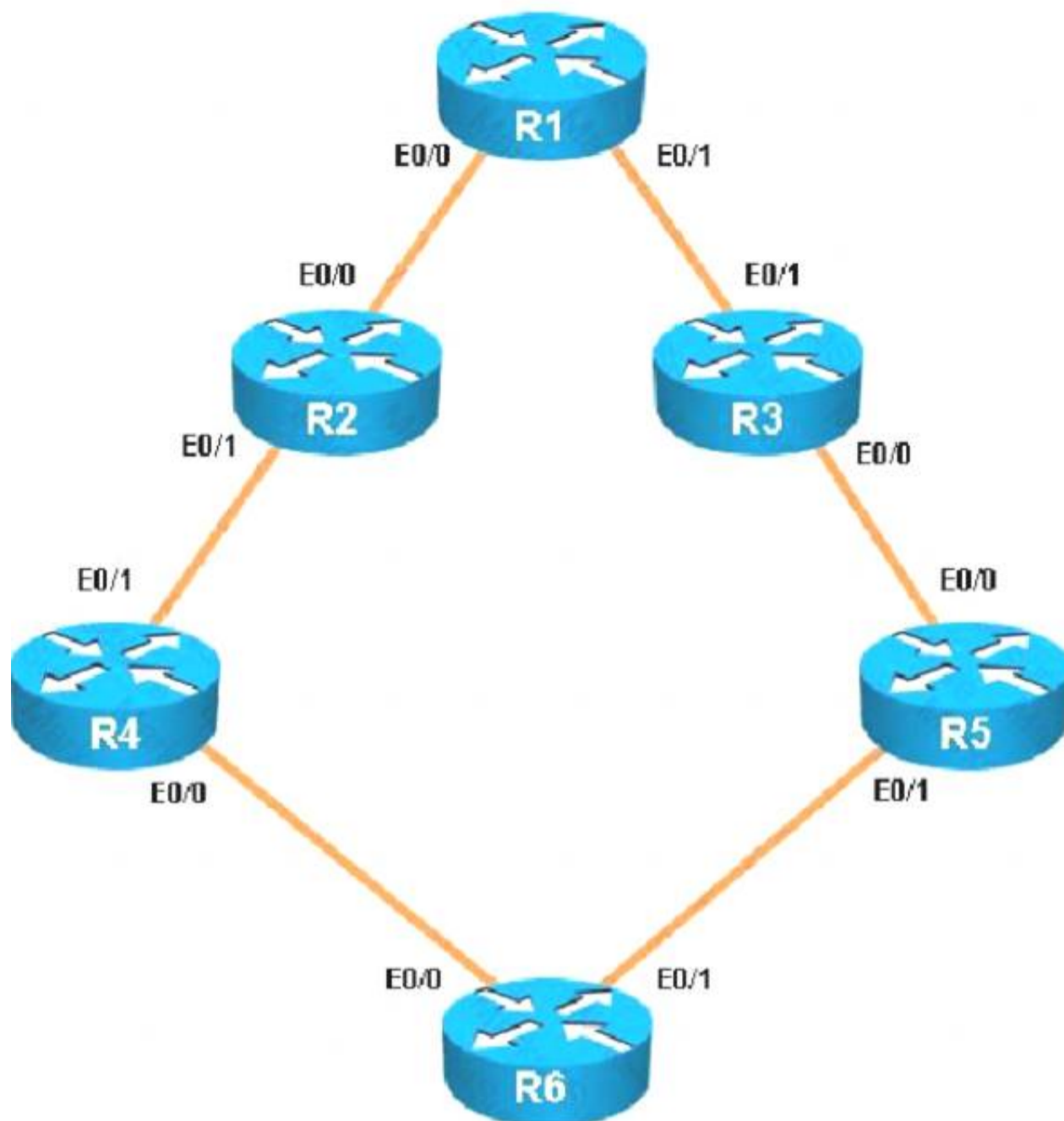
Which value determines the amount of traffic that a network path can hold in transit?

- A. route cache setting
- B. maximum window size
- C. bandwidth delay product
- D. MSS

Answer: D

NEW QUESTION 306

You have been asked to evaluate how EIGRP is functioning in a customer network.

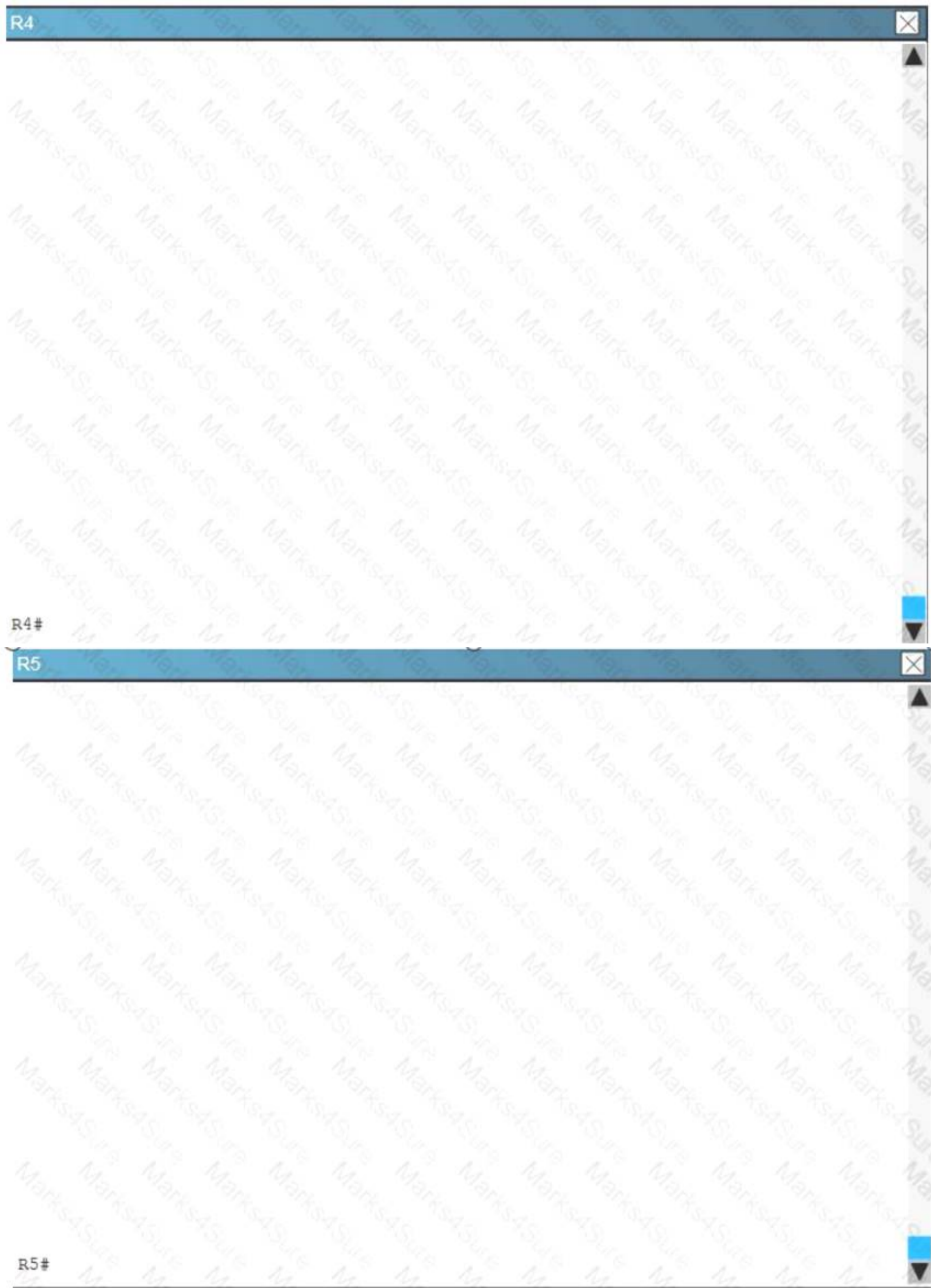


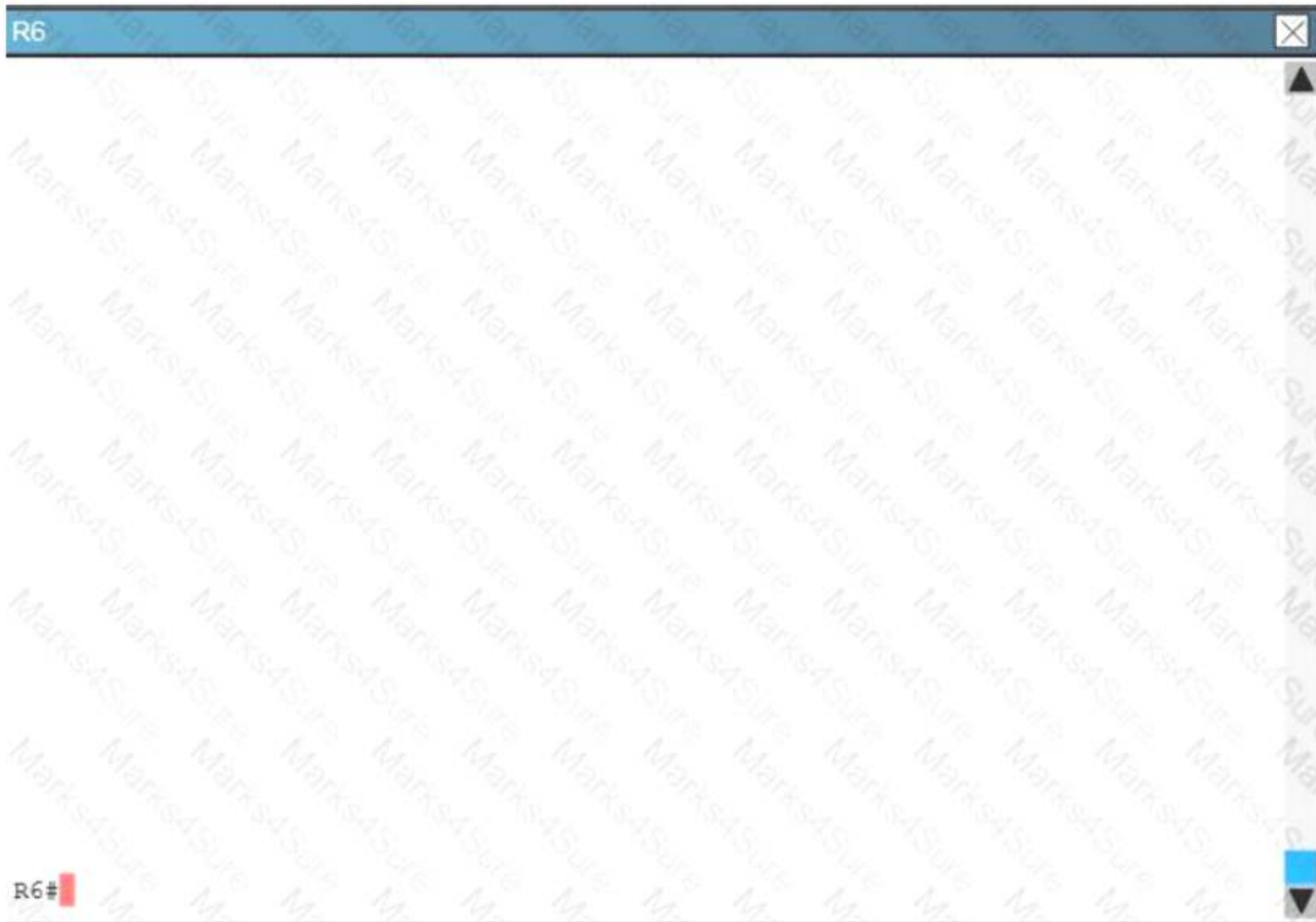
R2

R2#

R3

R3#





Which key chain is being used for authentication of EIGRP adjacency between R4 and R2?

- A. CISCO
- B. EIGRP
- C. key
- D. MD5

Answer: A

Explanation: R4 and R2 configs are as shown below:

Forwarding Information Base

The Forwarding Information Base (FIB) is a table that contains a copy of the forwarding information in the IP routing table. When routing or topology changes occur in the network, the route processor updates the IP routing table and CEF updates the FIB. Because there is a one-to-one correlation between FIB entries and routing table entries, the FIB contains all known routes and eliminates the need for route cache maintenance that is associated with switching paths, such as fast switching and optimum switching. CEF uses the FIB to make IP destination-based switching decisions and maintain next-hop address information based on the information in the IP routing table.

On the Catalyst 4500 series switches, CEF loads the FIB in to the integrated switching engine hardware to increase the performance of forwarding. The integrated switching engine has a finite number of forwarding slots for storing routing information. If this limit is exceeded, CEF is automatically disabled and all packets are forwarded in software. In this situation, you should reduce the number of routes on the switch and then reenable hardware switching with the `ip cef` command.

NEW QUESTION 319

Users were moved from the local DHCP server to the remote corporate DHCP server. After the move, none of the users were able to use the network. Which two issues will prevent this setup from working properly? (Choose two)

- A. The broadcast domain is too large for proper DHCP propagation
- B. The DHCP server IP address configuration is missing locally
- C. The route to the new DHCP server is missing
- D. Auto-QoS is blocking DHCP traffic.
- E. 802.tX is blocking DHCP traffic

Answer: BC

NEW QUESTION 324

What is the administrative distance of an EIGRP summary route?

- A. 90
- B. 5
- C. 1
- D. 170

Answer: B

NEW QUESTION 326

Which type of information is displayed when a network engineer executes the `show track 1` command on the router?

- A. information about tracking list
- B. information about the IP route track table
- C. time to next poll for track object 1
- D. tracking information statistics

Answer: A

NEW QUESTION 329

What show command is used here?

```
TCB Local Address Foreign Address (state)
6523A4FC 10.1.25.3.11000 10.1.25.3.23 ESTAB
65239A84 10.1.25.3.23 10.1.25.3.11000 ESTAB
653FCBBC *.1723 *.* LISTEN
```

- A. show tcp brief
- B. show tcp brief all
- C. show tcp brief numeric
- D. show tcp brief ip

Answer: C

NEW QUESTION 333

Which criterion does the BGP maximum paths feature use for load balancing?

- A. MED
- B. local preference
- C. weight
- D. router ID

Answer: C

Explanation: Also MED and local preference should be considered.

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute_bgp/configuration/xr-16/irgxr-16-book/ibgp-multipath](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute_bgp/configuration/xr-16/irgxr-16-book/ibgp-multipath.html) <https://learningnetwork.cisco.com/docs/DOC-11233>
C:\Users\wk\Desktop\mudassar\Untitled.jpg

As you may know, BGP selects only one best path for each prefix it receives then installs in the IP routing table. So whenever we need load-balancing across different paths, we have to enable BGP multipath, by the "maximum-paths" command.

We can select iBGP and eBGP paths altogether as the best, that is called eiBGP multipath. It means, for example, CE1 is multihomed to PE1 and PE2 via BGP. PE1 has a best path to CE1, PE1 can still use PE2 to CE1 as a parallel path to reach CE1, so one path is eBGP (to CE1) and another path is iBGP (to PE1 to CE1) this is called eiBGP multipath.

There's a criteria and several conditions that BGP checks before selecting additional paths in parallel with the best one. The following attributes of parallel paths have to match with the best path:

- Weight
- Local Pref
- Origin
- AS-Path Length
- MED
- Neighbor AS or Sub-AS match for (eBGP multipath)
- AS-PATH match (for eiBGP multipath)
- IGP metric to BGP next hop

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For multiple paths to the same destination to be considered as multipaths, the following criteria must be met:

- All attributes must be the same. The attributes include weight, local preference, autonomous system path (entire attribute and not just length), origin code, Multi Exit Discriminator (MED), and Interior Gateway Protocol (IGP) distance.
- The next hop router for each multipath must be different.

Even if the criteria are met and multiple paths are considered multipaths, the BGP speaking router will still designate one of the multipaths as the best path and advertise this best path to its neighbors.

NEW QUESTION 338

Which two debug commands can you use to view issues with CHAP and PAP authentication? (Choose two.)

- A. DebugTACACS
- B. Debug radius
- C. Debug AAA authentication
- D. Debug PPP negotiation
- E. Debug PPPauthentication

Answer: DE

NEW QUESTION 342

Which location is traffic from IP SLAs?

- A. core edge
- B. access edge
- C. WAN edge
- D. Distribution edge
- E. User edge

Answer: C

NEW QUESTION 345

Which two actions are common methods for migrating a network from one network protocol to another? (choose two)

- A. Channing the relative administrative distance of the two routing protocols.
- B. Channing the network Ip address and bringing up the addresses using the new routing protocol
- C. removing the currency protocol and implementing the new routing protocol
- D. redistributing from the current routing protocol to the new routing protocol
- E. disabling IP routing globally and implement the new routing protocol

Answer: BD

NEW QUESTION 348

Which two statements about PPPOE packet types are true? (Choose two)

- A. PADI is an initialization packet sent as a broadcast message
- B. PADO is a unicast reply packet sent to the client.
- C. PADR is a broadcast packet sent from the client to request a new server.
- D. PADR is a broadcast reply packet sent to the client.
- E. PADR is a unicast confirmation packet sent to the client.

Answer: AC

NEW QUESTION 353

Which types of LSAs are present in the stub area?

- A. LSA type 1 and 2
- B. LSA type 1. 2. 3, 4. and 5
- C. LSA type 1 2, and 3
- D. LSA type 3 and 5

Answer: C

NEW QUESTION 358

Which is the minimum privilege level to allow a user to execute all user-level commands but prohibits enable-level commands by default?

- A. level 0
- B. level 1
- C. level 14
- D. level 15
- E. level 16

Answer: B

NEW QUESTION 362

Which two packet type can an EIGRP router send when a route goes into the Active state?(choose two)

- A. reply
- B. request
- C. hello
- D. update
- E. query

Answer: AE

Explanation: <https://www.cisco.com/c/en/us/support/docs/ip/enhanced-interior-gateway-routingprotocoleigrp/13669-1.html#p>
C:\Users\wk\Desktop\mudassar\Untitled.jpg

this case, it is unicast back to the successor that originated the query. Replies are always sent in response to queries to indicate to the originator that it does not need to go into Active state because it has feasible successors. Replies are unicast to the originator of the query. Both queries and replies are transmitted reliably.

- The subnet or network of the source IP address is on the same subnet or network of the next-hop IP address of the routed packet.
- The datagram is not source-routed.
- The kernel is configured to send redirects. (By default, Cisco routers send ICMP redirects. The interface subcommand `no ip redirects` can be used to disable ICMP redirects.)

NEW QUESTION 366

What is the optimal location from which to execute a debug command that produces an excessive amount of information?

- A. vty lines
- B. SNMP commands
- C. A console port
- D. An AUX port

Answer: A

NEW QUESTION 367

Which two tasks must you perform to configure a BGP peer group?(Choose two)

- A. Configure the soft-update value
- B. Activate the default route
- C. Set the advertisement Interva
- D. Activate each neighbor
- E. Assign neighbors to the peer group

Answer: DE

NEW QUESTION 369

which access list used to filter upper layer protocol ?

- A. extended acl
- B. standart acl
- C. reflexive acl
- D. time based acl
- E. dynamic acl

Answer: C

NEW QUESTION 374

A network engineer is troubleshooting connectivity issues with a directly connected RIPv6 neighbor. Which command should directly connected RIPv6 neighbor adjacencies only?

- A. router# show ipv6 rip next-hops
- B. router# show ip rip neighbors
- C. router# show ipv6 routers
- D. router# show ipv6 rip database

Answer: A

NEW QUESTION 375

Which adverse event can occur as a consequence of asymmetric routing on the network?

- A. vulnerability to a man-in the - middle attack
- B. inadvertent HSRP active router preemption
- C. errdisabled port
- D. unicast flooding

Answer: D

NEW QUESTION 378

Which two different configurations can you apply to a device to block incoming SSH access? (Choose two.)

- A. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`interface Ethernet0/0`
`ip traffic-filter VTY-ACCESS-IN out`
- B. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`interface Ethernet0/0`
`ip traffic-filter VTY-ACCESS-IN in`
- C. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`line vty 0 15`
`ip access-class VTY-ACCESS-IN in`
- D. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`line vty 0 15`
`ip access-list VTY-ACCESS-IN out`
- E. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`interface Ethernet0/0`
`ip traffic-filter VTY-ACCESS-IN out`

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

Answer: BC

NEW QUESTION 379

Which two statements about EVN are true? (Choose two.)

- A. It supports IPv6 traffic.
- B. It can support up to 16 VNs.
- C. It uses redistribution to share routes between VNs.
- D. It supports SSM only.
- E. A configuration can be based on an existing VRF configuration.

Answer: CE

Explanation: https://www.cisco.com/c/en/us/products/collateral/ios-nx-os-software/layer-3-vpnsl3vpn/whitepaper_c11-63876
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Conclusion

Network virtualization solution EVN:

- Provides a pure IP alternative to MPLS in enterprise networks for up to 32 VNs
- Uses existing enterprise design/architecture/protocols
- Uses existing technology to increase the effectiveness of VRFs
- Provides either an IGP (OSPF, EIGRP) only or IGP/EGP-based alternative Reintroduces familiar concepts for access and trunks to Layer 3
- Can be deployed with traditional MPLS VPNs or MPLS VPNs over mGRE
- Can coexist with Multi-VRF deployments
- Supports non-IP and IPv6 traffic through the EVN global table
- Supports PIM and IGMP with SM and SSM modes for mVPN
- Supports shared services using route replication
- Includes enhanced troubleshooting and usability tools:
 - routing context, traceroute, debug condition, cisco-vrf-mib, and simplified VRF-aware SNMP configuration

NEW QUESTION 381

A network engineer has configured an IOS router to synchronize its clock with a Windows server. After several minutes, the network engineer notices that the local time on the router does not match the time on the Windows server What is the reason for this?

- Either a firewall between the two devices or an ACL on the router is blocking TCP port 958
- Either a firewall between the two devices or an ACL on the router is blocking UDP port 958
- Either a firewall between the two devices or an ACL on the router is blocking UDP port 123
- Either a firewall between the two devices or an ACL on the router is blocking TCP port 123

Answer: C

NEW QUESTION 384

Drag and drop the statement about device security from the left on the correct features on the right.

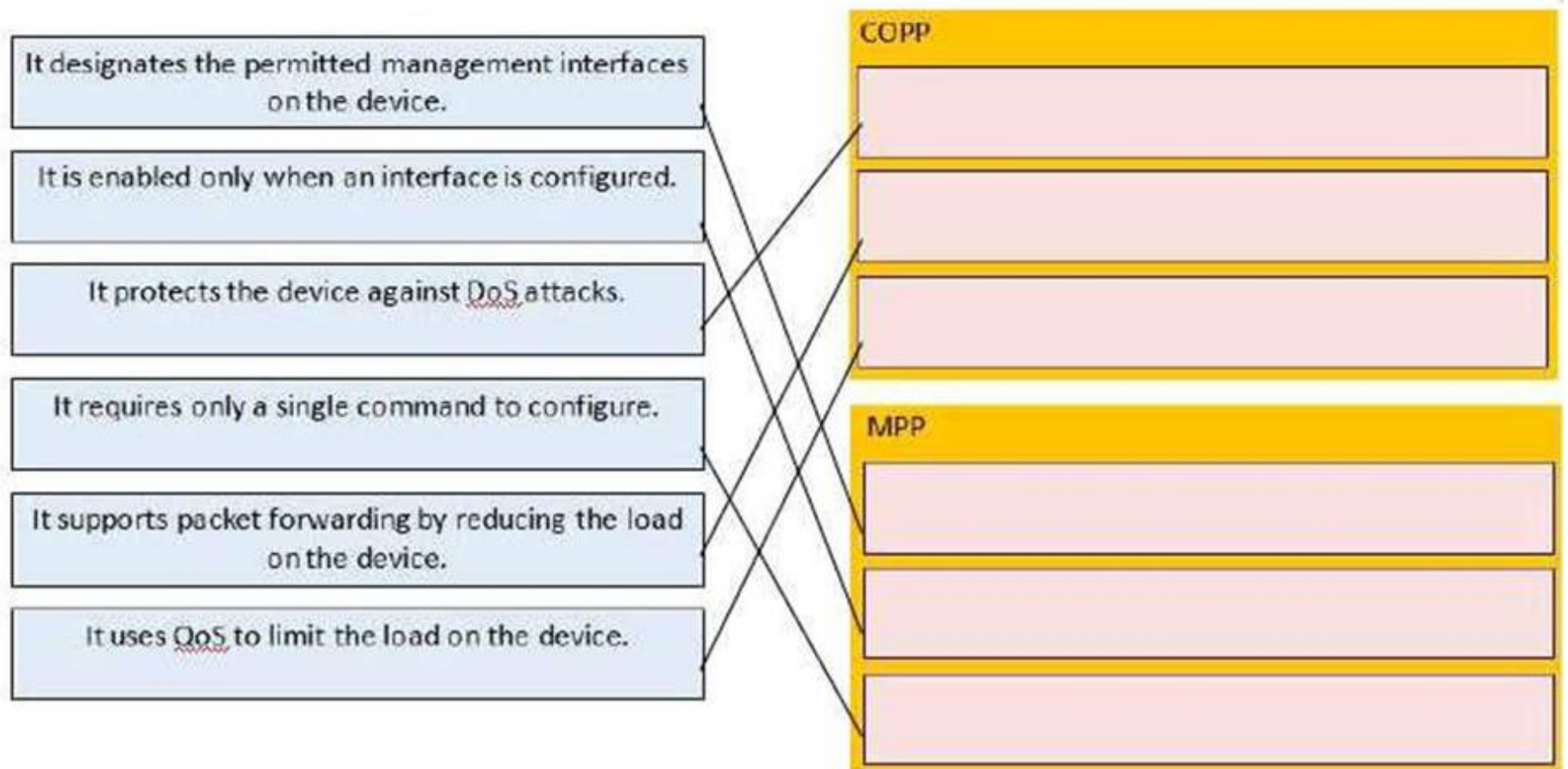
- It designates the permitted management interfaces on the device.
- It is enabled only when an interface is configured.
- It protects the device against DoS attacks.
- It requires only a single command to configure.
- It supports packet forwarding by reducing the load on the device.
- It uses QoS to limit the load on the device.

COPP

MPP

Answer:

Explanation:



NEW QUESTION 389

What is the output of the following command: show ip vrf

- A. Show's default RD values
- B. Displays IP routing table information associated with a VRF
- C. Show's routing protocol information associated with a VRF.
- D. Displays the ARP table (static and dynamic entries) in the specified VRF

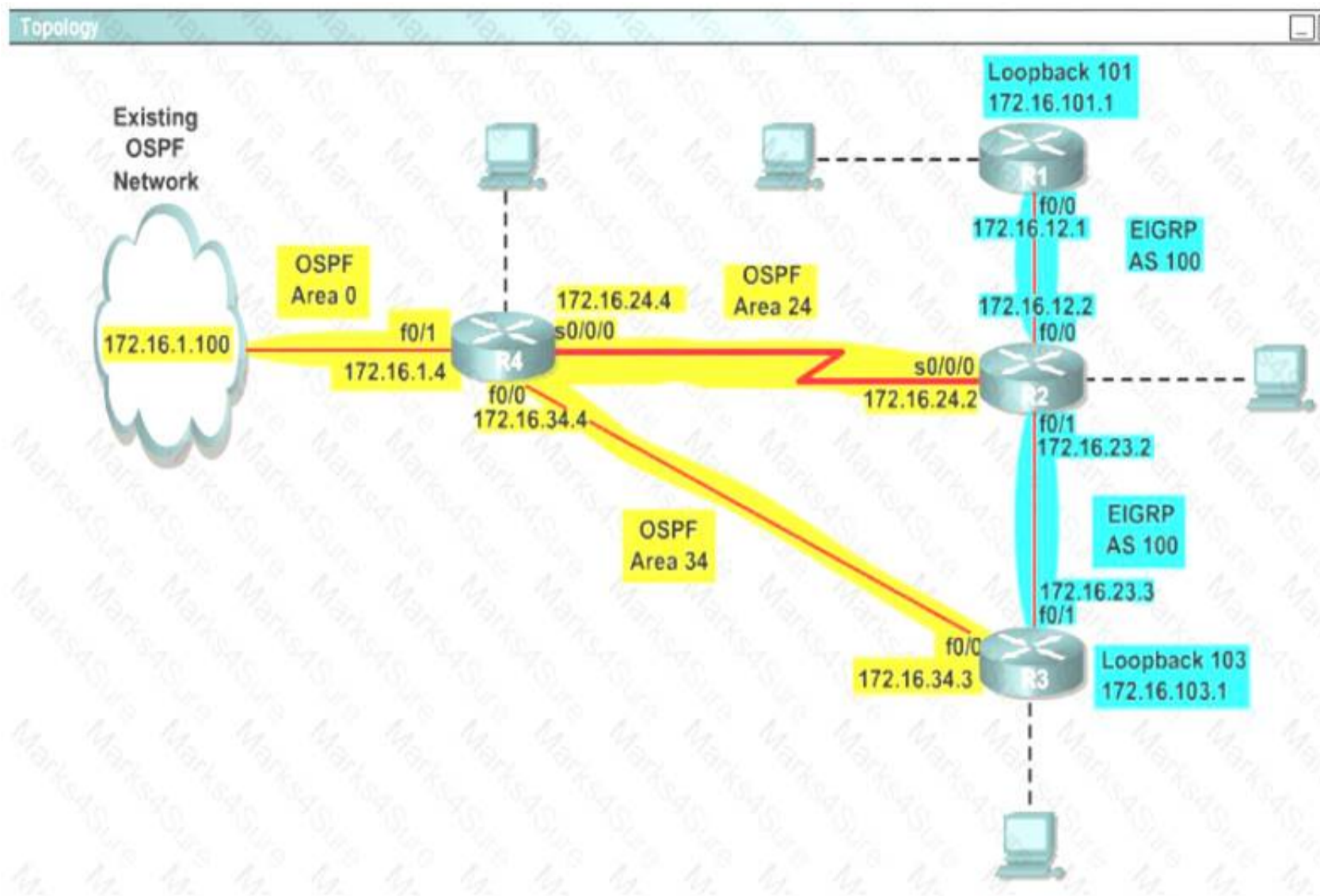
Answer: A

NEW QUESTION 391

You are a network engineer with ROUTE.com, a small IT company. They have recently merged two organizations and now need to merge their networks as shown in the topology exhibit. One network is using OSPF as its IGP and the other is using EIGRP as its IGP. R4 has been added to the existing OSPF network to provide the interconnect between the OSPF and EIGRP networks. Two links have been added that will provide redundancy.

The network requirements state that you must be able to ping and telnet from loopback 101 on R1 to the OPSF domain test address of 172.16.1.100. All traffic must use the shortest path that provides the greatest bandwidth. The redundant paths from the OSPF network to the EIGRP network must be available in case of a link failure. No static or default routing is allowed in either network.

A previous network engineer has started the merger implementation and has successfully assigned and verified all IP addressing and basic IGP routing. You have been tasked with completing the implementation and ensuring that the network requirements are met. You may not remove or change any of the configuration commands currently on any of the routers. You may add new commands or change default values.



Answer:

Explanation: First we need to find out 5 parameters (Bandwidth, Delay, Reliability, Load, MTU) of the s0/0/0 interface (the interface of R2 connected to R4) for redistribution:

R2#show interface s0/0/0

Write down these 5 parameters, notice that we have to divide the Delay by 10 because the metric unit is in tens of microsecond. For example, we get Bandwidth=1544 Kbit, Delay=20000 us, Reliability=255, Load=1, MTU=1500 bytes then we would redistribute as follows:

R2#config terminal R2(config)# router ospf 1

R2(config-router)# redistribute eigrp 100 metric-type 1 subnets R2(config-router)#exit

R2(config-router)#router eigrp 100

R2(config-router)#redistribute ospf 1 metric 1544 2000 255 1 1500

Note: In fact, these parameters are just used for reference and we can use other parameters with no problem. If the delay is 20000us then we need to divide it by 10, that is 20000 / 10 = 2000

For R3 we use the show interface fa0/0 to get 5 parameters too

R3#show interface fa0/0

For example we get Bandwidth=10000 Kbit, Delay=1000 us, Reliability=255, Load=1, MTU=1500 bytes

R3#config terminal R3(config)#router ospf 1

R3(config-router)#redistribute eigrp 100 metric-type 1 subnets R3(config-router)#exit

R3(config-router)#router eigrp 100

R3(config-router)#redistribute ospf 1 metric 10000 100 255 1 1500

Finally you should try to "show ip route" to see the 172.16.100.1 network (the network behind R4) in the routing table of R1 and make a ping from R1 to this network.

Note: If the link between R2 and R3 is FastEthernet link, we must put the command below under EIGRP process to make traffic from R1 to go through R3 (R1 -> R2 -> R3 -> R4), which is better than R1 -> R2 -> R4.

R2(config-router)# distance eigrp 90 105

This command sets the Administrative Distance of all EIGRP internal routes to 90 and all EIGRP external routes to 105, which is smaller than the Administrative Distance of OSPF (110) -> the link between R2 & R3 will be preferred to the serial link between R2 & R4.

Note: The actual OPSF and EIGRP process numbers may change in the actual exam so be sure to use the actual correct values, but the overall solution is the same.

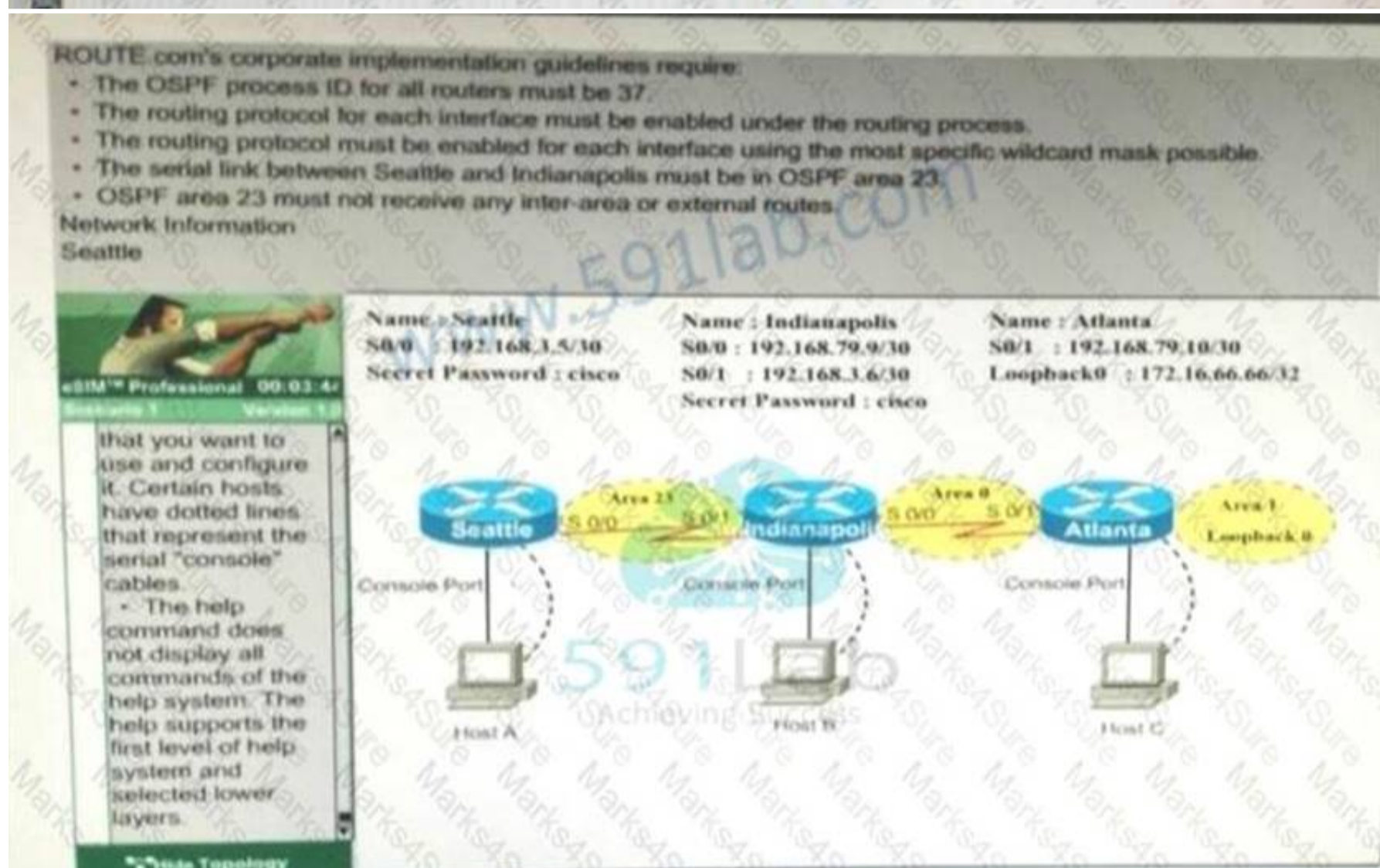
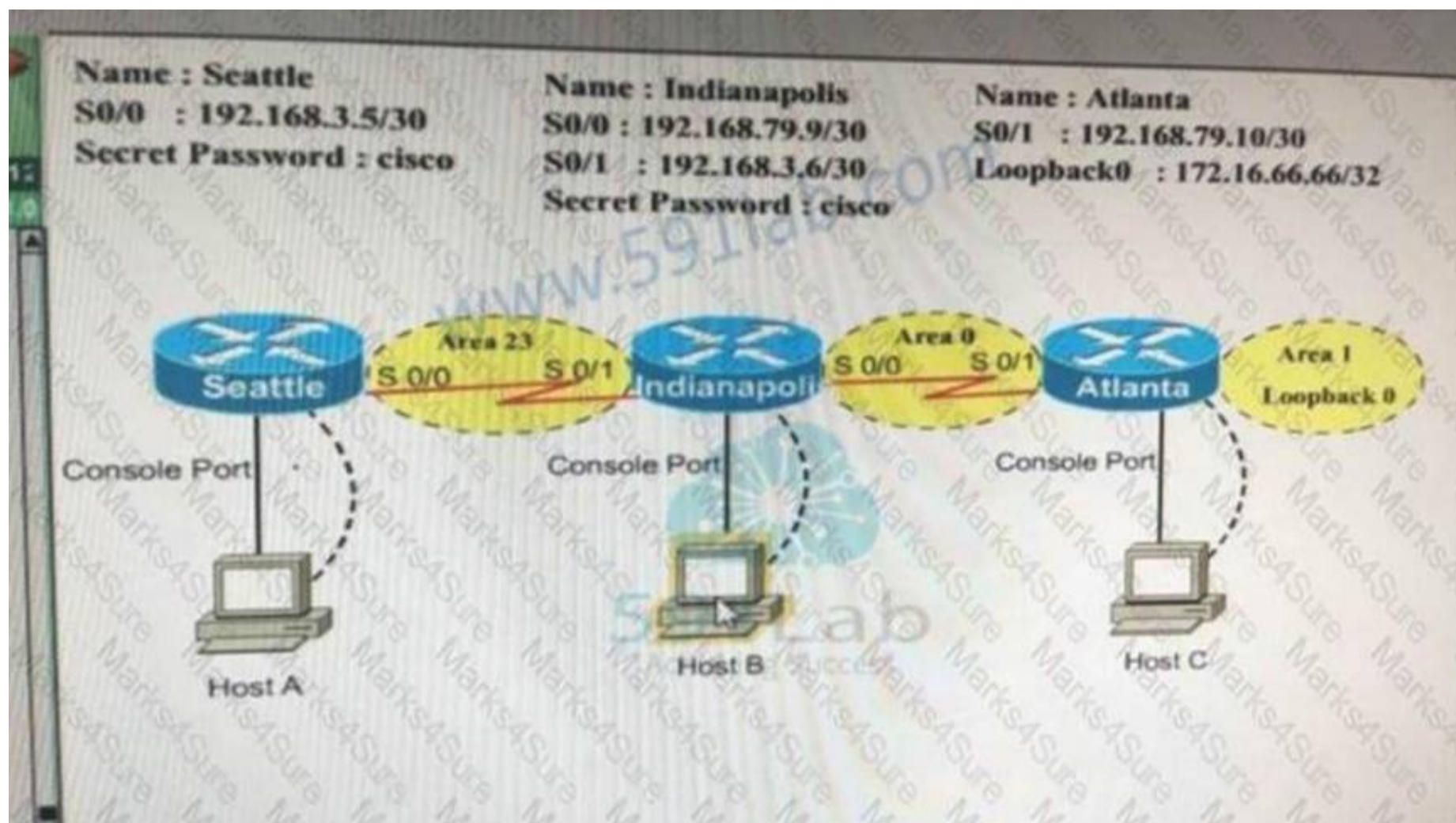
NEW QUESTION 394

Which password takes precedence if you configure multiple passwords for Telnet connections to a Cisco IOS device?

- A. console line password
- B. enable secret password
- C. enable password
- D. aux line
- E. password

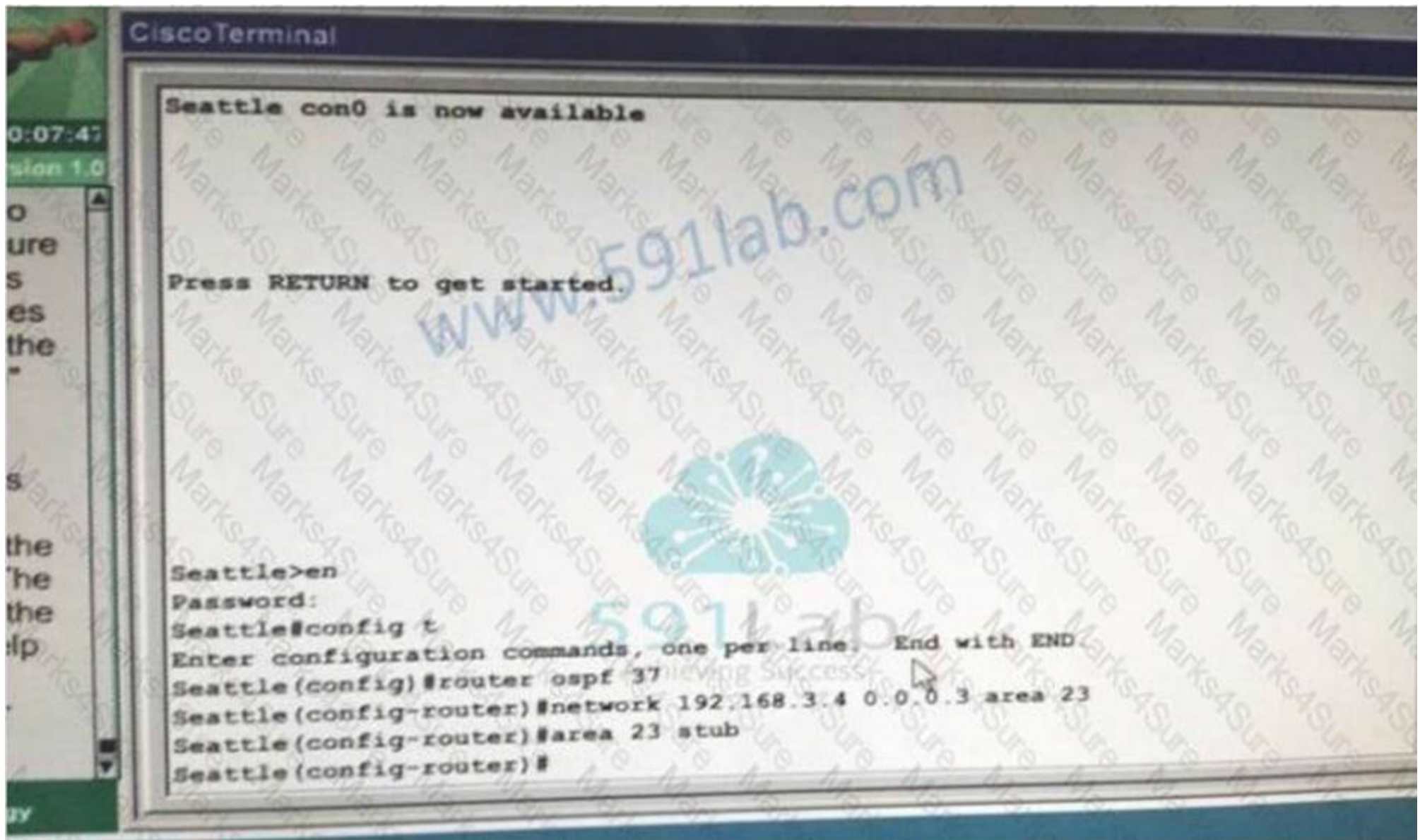
Answer: B

NEW QUESTION 396



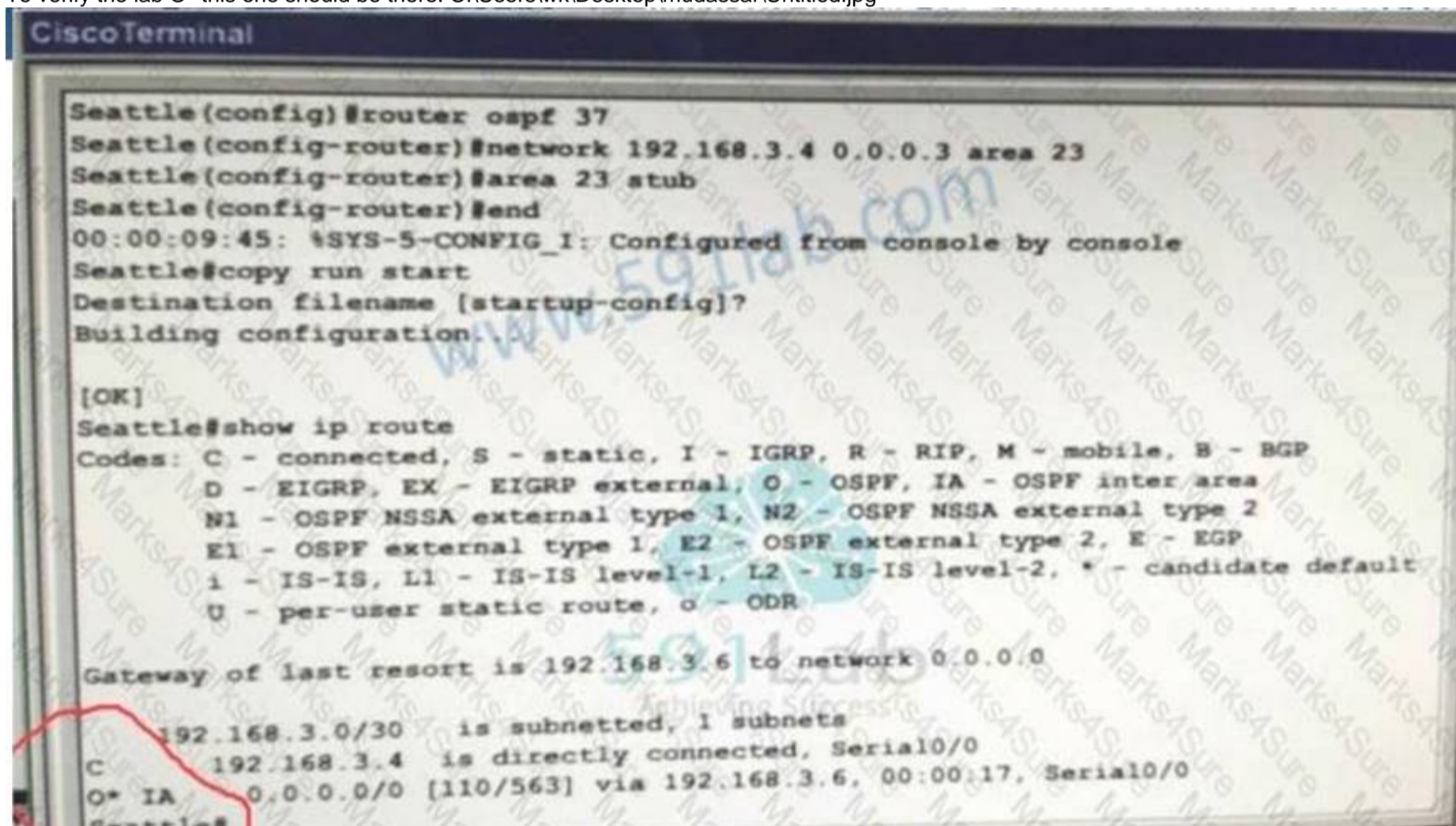
Answer:

Explanation: Always remember the Process id and area , in this question process id is 37a nd OSPF area is 23 Process id 37 area 23 Indianapolis
at first go to HOST A and write this configuration Seattle(config)#router ospf 37
Seattle (config-router)#network 192.168.3.4 0.0.0.3 area 23 Seattle (config-router)#area 23 stub
For Host B
Indianapoll #configure terminal Indianapolis (config)#router ospf 37
Indianapoll (config-router)#network 192.168.3.4 0.0.0.3 area 23
Indianapoll (config-router)#area 23 stub no-summary C:\Users\wk\Desktop\mudassar\Untitled.jpg



Show ip route in host A

To verify the lab O* this one should be there. C:\Users\wk\Desktop\mudassar\Untitled.jpg



NEW QUESTION 400

Which two causes of latency are true?(choose two)

- A. High bandwidth on a link
- B. Split horizon
- C. Propagation delay
- D. Serialization delay
- E. Under-utilization of a link

Answer: CE

NEW QUESTION 405

Refer to the exhibit.

```
center#show ip cef 45.0.0.0
45.0.0.0/8, version 184, 0 packets, 0 bytes
via 1.1.1.1, Tunnel0, 0 dependencies
next hop 1.1.1.1, Tunnel0
valid punt adjacency
```

CEF Packets passes on to next switching layer

| Slot | No_adj | No_encap | Unsupported | Redirect | Receive | Bad_ttl | Options |
|------|--------|----------|-------------|----------|---------|---------|---------|
| RP | 0 | 0 | 0 | 0 | 5700 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

What is indicated by the show ip cef command for an address?

- A. CEF cannot switch packet for this route and drops it
- B. CEF is unable to get routing information for this route
- C. CEF cannot switch packet for this route and passes it to the next best switching method
- D. A valid entry and is punted to hardware-based forwarding

Answer: C

NEW QUESTION 407

A customer requests policy-based routing Packets arriving from source 209 165 200 225 should be sent to the next hop at 209 165 200 227 with the precedence bit set to priority. Packets arriving from source 209 165 200 226 should be sent to the next hop at 209 165 200 228 with the precedence bit set to critical Which configuration completes these requirements?

A customer requests policy-based routing Packets arriving from source 209 165 200 225 should be sent to the next hop at 209 165 200 227 with the precedence bit set to priority Packets arriving from source 209.165.200 226 should be sent to the next hop at 209 165 200 228 with the precedence bit set to critical. Which configuration completes these requirements?

A)

```
access-list 1 permit 209.165.200.225
access-list 2 permit 209.165.200.226
!
route-map Texas permit 10
match ip address 1
set ip precedence critical
set ip next-hop 209.165.200.227
!
route-map Texas permit 20
match ip address 2
set ip precedence priority
set ip next-hop 209.165.200.228
!
interface ethernet 1
ip policy route-map Texas
```

B)

```
access-list 1 permit 209.165.200.227
access-list 2 permit 209.165.200.228
!
route-map Texas permit 10
match ip address 1
set ip precedence priority
set ip next-hop 209.165.200.225
!
route-map Texas permit 20
match ip address 2
set ip precedence critical
set ip next-hop 209.165.200.226
!
interface ethernet 1
ip policy route-map Texas
```

C)

```
access-list 1 permit 209.165.200.225
access-list 2 permit 209.165.200.226
!
route-map Texas permit 10
match ip address 1
set ip precedence priority
set ip next-hop 209.165.200.227
!
route-map Texas permit 20
match ip address 2
set ip precedence critical
set ip next-hop 209.165.200.228
!
interface ethernet 1
ip policy route-map Texas
```

D)

```
access-list 1 permit 209.165.200.228
access-list 2 permit 209.165.200.227
!
route-map Texas permit 10
match ip address 1
set ip precedence priority
set ip next-hop 209.165.200.226
!
route-map Texas permit 20
match ip address 2
set ip precedence critical
set ip next-hop 209.165.200.225
!
interface ethernet 1
ip policy route-map Texas
```

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

Answer: A

NEW QUESTION 412

Which two statements about Frame Relay LMI autosense are true on a Router?(Choose two)

- A. It requires the line protocol to be up
- B. it operates when the line is up but the line protocol is down
- C. It requires the LMI type to be explicitly configured
- D. It operates on Frame Relay DTE interfaces
- E. It operates on Frame Relay DCE interfaces

Answer: BD

NEW QUESTION 416

A network engineer is configuring two dedicated internet connection within the internet nodule.

One connection is primary connection to all wired business communication. While the other is the primary connection for all customer wireless traffic. If one of the links goes down, the affected traffic needs to be redirected to the redundant link. Which current technology should be deployed to monitor the scenario?

- A. PBR
- B. IP QoS
- C. MMC
- D. IP SLAs
- E. IP SAA

Answer: A

NEW QUESTION 421

Which two options are benefits of BGP peer groups?(Choose two)

- A. They can optimize backdoor routes
- B. They support groups of paths
- C. A configuration change can be applied simultaneously to all peers in the peer group
- D. Each neighbor in a peer group can have different inbound BGP policies
- E. They can be updated via multicast
- F. They use soft updates to minimize bandwidth consumption

Answer: CD

NEW QUESTION 425

Which two commands must be configured on a DMVPN hub to enable phase 3? (Choose two)

- A. ip nhrp redirect
- B. ip nhrp interest
- C. ip nhrp shortcut
- D. Ip nhrp map
- E. ip redirects

Answer: AD

NEW QUESTION 430

Which two statements about GRE tunnel keys are true? (Choose two.)

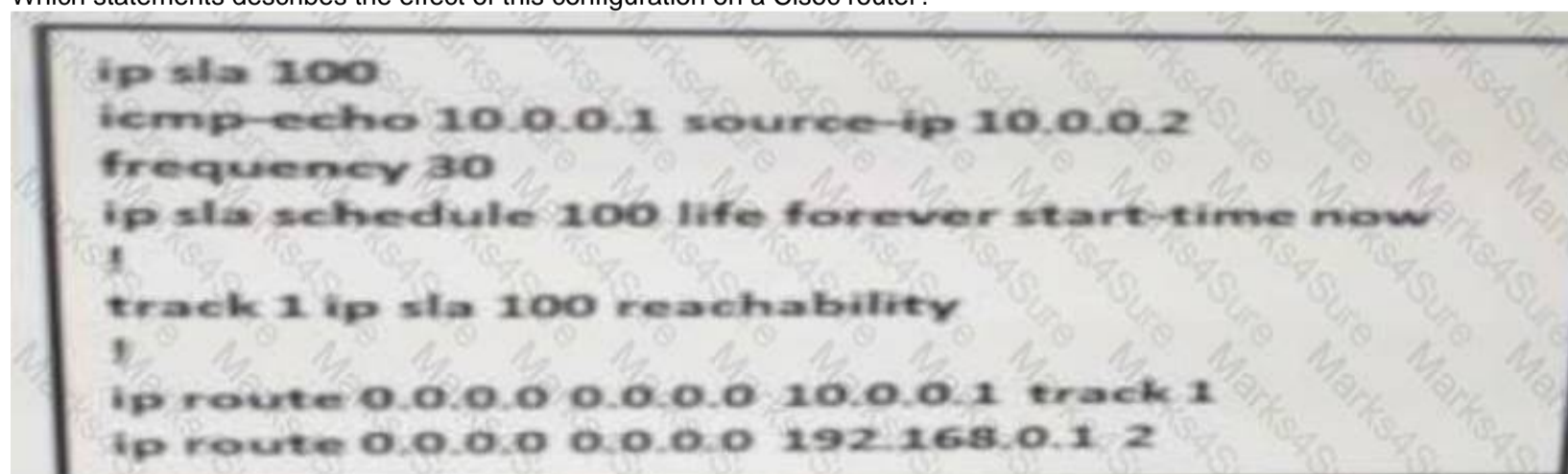
- A. The key ID must be the same on each device.
- B. They prevent the injection of unwanted frames.
- C. They prevent the injection of unwanted packets.
- D. They must be stored to a keychain.
- E. They provide the highest level of security that is available.

Answer: AC

NEW QUESTION 431

Refer to the exhibit.

Which statements describes the effect of this configuration on a Cisoc router?



- A. The default router through 10.0.1 is never used.
- B. The default router through 192.168.0.1 is used only when 10.0.0 is unreachable.
- C. The default router through 10.0.0.1 only when 192.168.0.1 is unreachable.
- D. The default router through 192.168.0.1 is never used.

Answer: B

NEW QUESTION 433

Which two statements about Frame Relay point-to-point connections are true?(Choose two)

- A. They use two DLCIs to communicate with multiple endpoints over the Frame Relay cloud
- B. The device can establish a point-to-point connection to the cloud without a DLCI
- C. Changing a point-to-point subinterface to a different type requires the device to be reloaded.
- D. They can operate normally without a DLCI map
- E. Each physical interface that extends to the Frame Relay cloud can support a single SVC.

Answer: AC

NEW QUESTION 435

Which command prevents routes from sending routing updates through a router intercaes?

- A. distribute-list in
- B. passive-interface
- C. default-metric
- D. distribute-list out

Answer: B

NEW QUESTION 440

Which command sequence is implemented on a router to configure unicast reverse path forwarding in loose mode?

- A. interface GigabitEthernet0/0 ip verify unicast source reachable-via rx
- B. interface GigabitEthernet0/0 ip unicast source reachable-via loose
- C. interface GigabitEthernet0/0 ip verify unicast source reachable-via any
- D. interface GigabteEthernet0/0 Ip verify uncast source reachable-via all

Answer: C

NEW QUESTION 444

Which three algorithms can you configure with the ip cef load-sharing algorithm command?(choose three)

- A. per-packed
- B. Tunnel
- C. per-destination
- D. Universal
- E. Per-source
- F. Include-port

Answer: BDF

NEW QUESTION 446

What other action does an IPv6 filter do when it drops a packet?

- A. generates an ICMP unreachable message
- B. Other option

Answer: A

NEW QUESTION 448

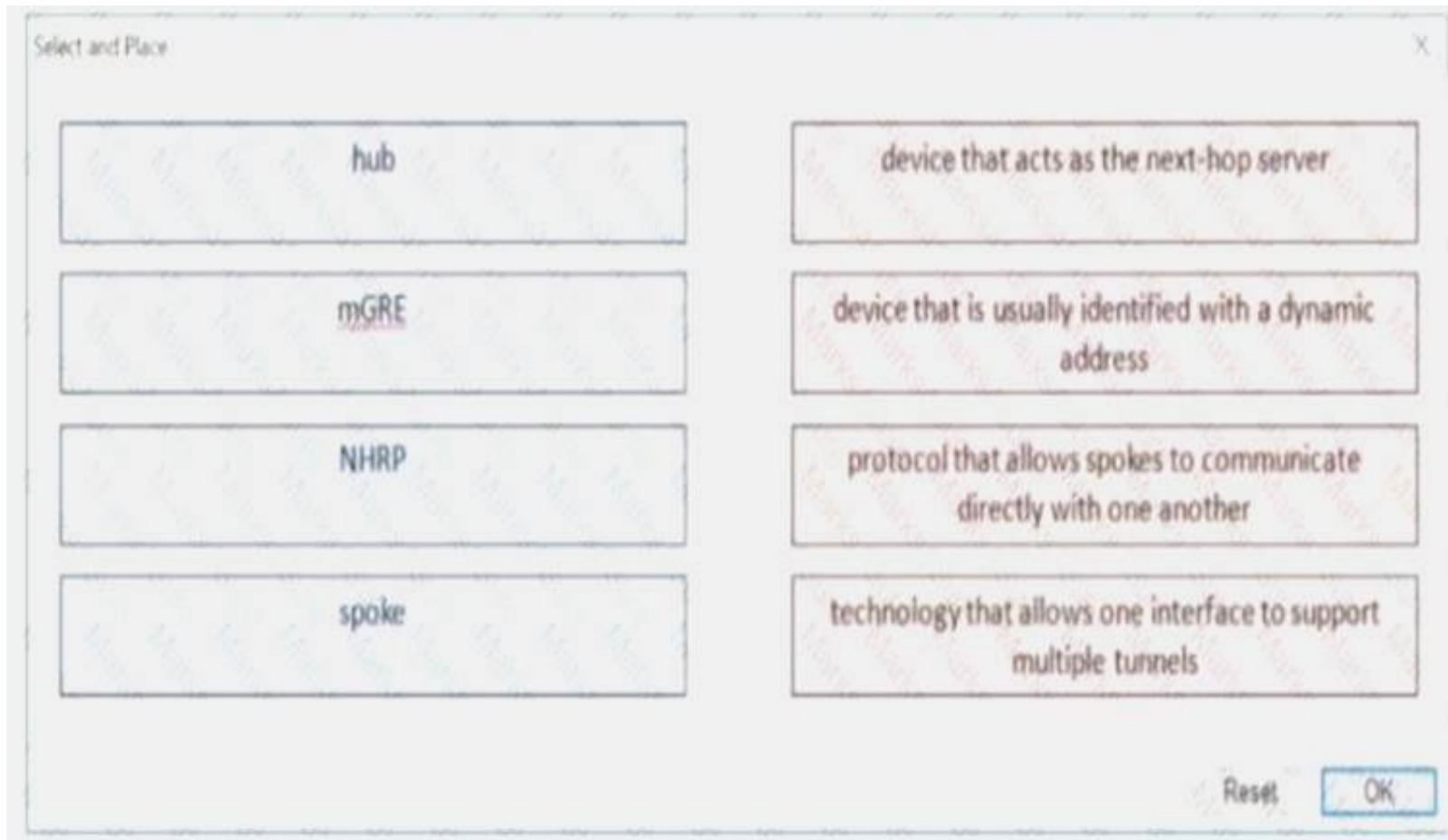
In SNMP v3, which security level provides encryption of the data?

- A. authNoPriv
- B. authMember
- C. authPriv
- D. noAuthNoPriv

Answer: C

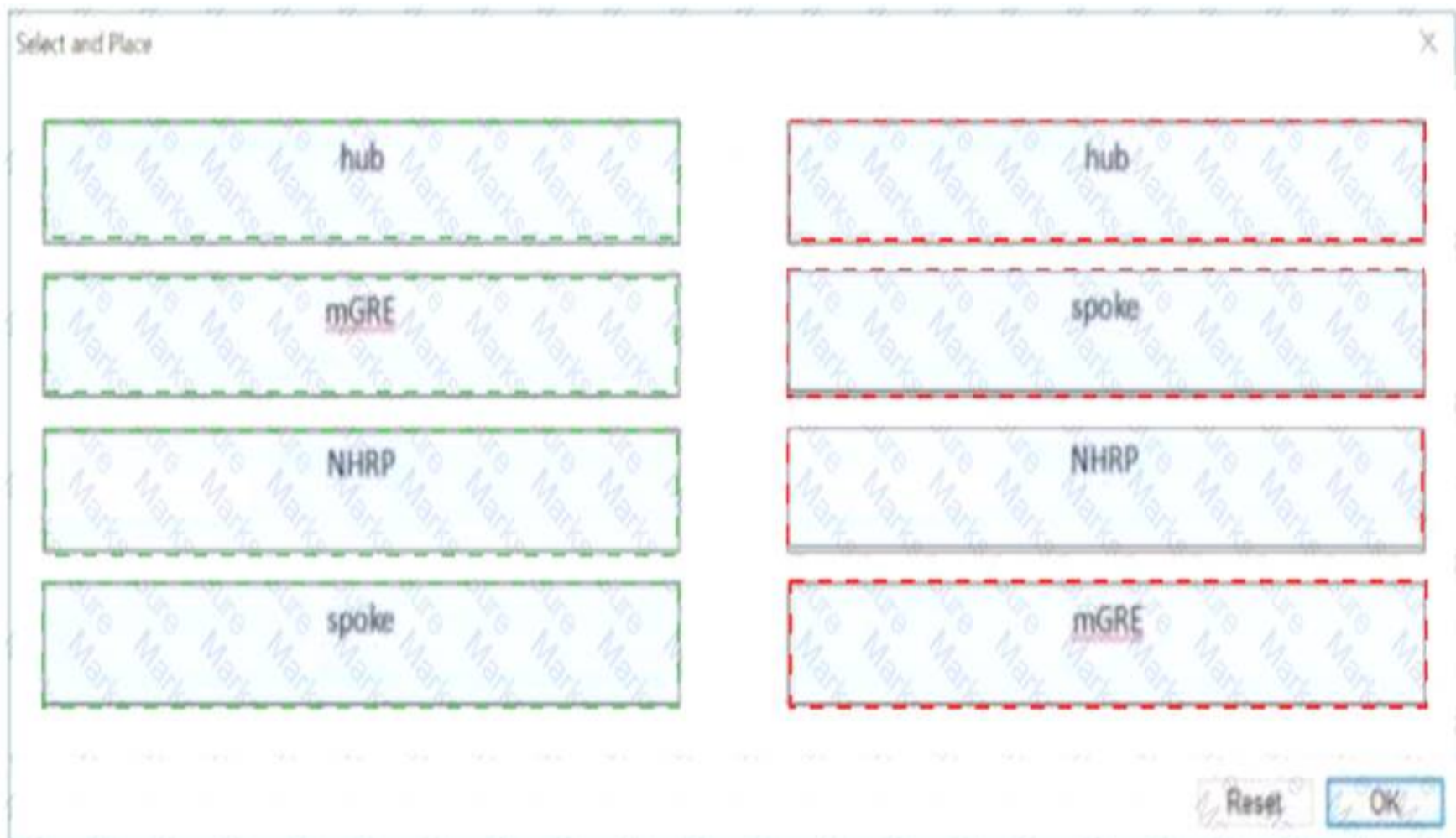
NEW QUESTION 452

Drag and drop the DMVPN components from the left onto the correct descriptions on the right
Select and Place:



Answer:

Explanation:



NEW QUESTION 454

Which action is the most efficient way to handle route feedback when connecting a RIPv2 network to OSPF?

- A. Implement distribute lists
- B. Implement route tags
- C. Implement route maps with access lists
- D. Implement IP prefix lists.

Answer: C

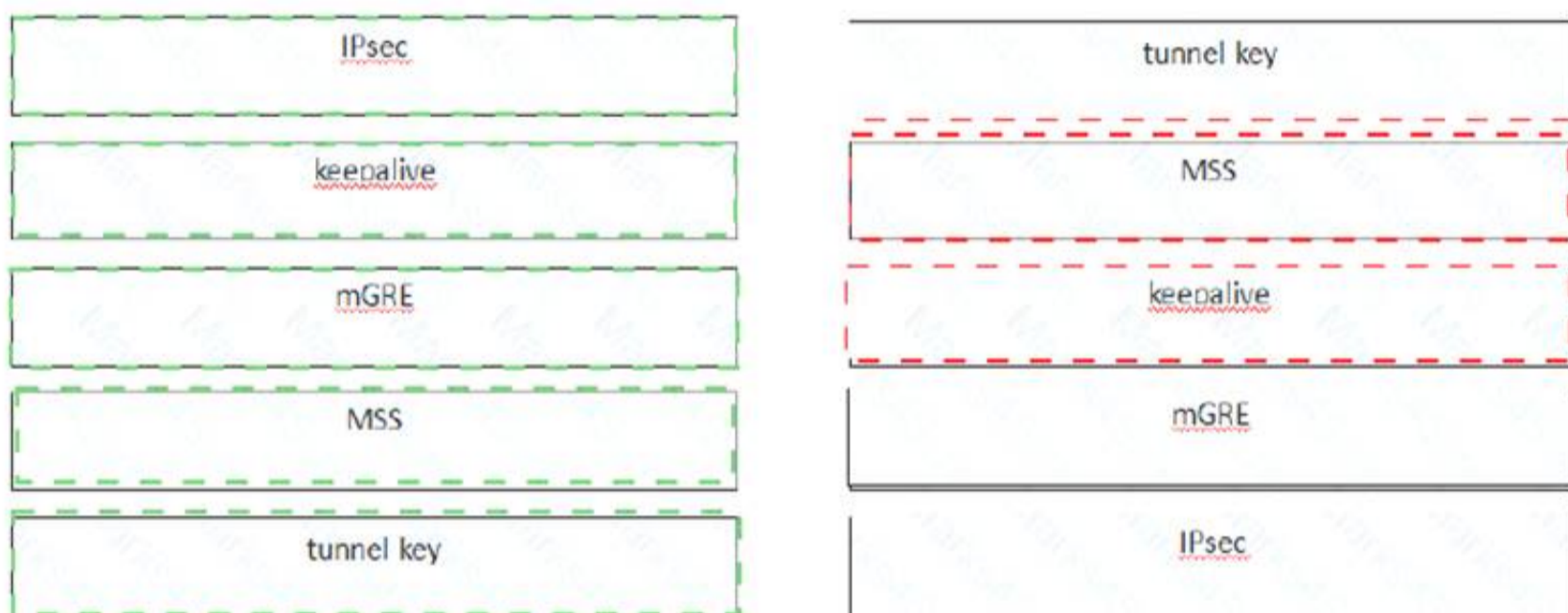
NEW QUESTION 456

Drag and drop the GRE features from the left onto the correct descriptions on the right.

| | |
|------------|--|
| IPsec | clear-text password that confirms the peer connection |
| keepalive | configurable value that prevents an interface from sending packets that are too large for the tunnel |
| mGRE | technology that prevents one side of the tunnel from going down while the other stays up |
| MSS | technology that supports dynamic tunnel endpoints |
| tunnel key | encryption protocol used to source tunnels |

Answer:

Explanation:



NEW QUESTION 460

A router receives a routing advertisement for 10.1.1.0/24 from an EIGRP peer and from an OSPF peer, Which route does the router install in the routing table, and for which reason?

- A. the OSPF route, because the administrative distance is lower
- B. the EIGRP route, because the metric is lower
- C. the OSPF route, because the metric is lower
- D. the EIGRP route, because the administrative distance is lower

Answer: D

NEW QUESTION 463

Refer to the exhibit.



You notice that traffic from R1 to the 192.168.10.0/24 network prefers the path through R3 instead of the leastcost path through R2. What is the most likely reason for this router selection?

- A. OSPF prefers external routers over interarea router.
- B. OSPF prefers interarea routers over intra-area routers.
- C. OSPF prefers external routers over intra-area routers.
- D. OSPF prefers intra-area routers over interarea routers.

Answer: D

NEW QUESTION 465

You want to configure a device to select an OSPF-learned route as the preferred path overan EBGP-learned route Which action must you take?

- A. Increase the OSPF cost
- B. Decrease the OSPF cost
- C. Increase the oSPF administrative distance
- D. Decrease the OsPF administrative distance

Answer: D

NEW QUESTION 466

Which three functionalities are specific to stateful NAT64? (Choose three.)

- A. It conserves IPv4 addresses.
- B. It requires IPv4-translatable IPv6 addresses.
- C. No constraint is put on the number of endpoints due to 1:N translation.
- D. It helps ensure end-to-end address transparency and scalability.
- E. A state or bindings are created on every unique translation.
- F. It requires either manual or DHCPv6-based address assignment for IPv6 hosts.

Answer: ACE

NEW QUESTION 471

Which option is an invalid redistribute command option for redistributing routes from EIGRPintoOSPF?

- A. route map
- B. tag
- C. access list
- D. metric

Answer: C

NEW QUESTION 473

Which location within the network is preferred when using a dedicated router for Cisco IP SLA operations?

- A. user edge
- B. provider edge
- C. access edge
- D. distribution edge

Answer: D

NEW QUESTION 477

What does an Cisco router use as default username for CHAP authentication?

- A. chap
- B. Hostname
- C. cisco

D. ppp

Answer: B

NEW QUESTION 478

Which command will display all the EIGRP feasible successor routes known to a router?

- A. show ip routes
- B. show ip eigrp summary
- C. show ip eigrp topology
- D. show ip eigrp adjacencies

Answer: C

NEW QUESTION 483

You are configuring a Microsoft client to call a PPP server using CHAP. Only the client will be authenticated. But the clients password has expired and must be changed. Which ppp server configuration allows the call be completed?

- A. ppp authentication ma-chap-v2
- B. ppp authentication ms-cahp-v2 callin
- C. ppp authentication chap
- D. ppp authentication callin
- E. ppp authentication ms-chap callin

Answer: B

NEW QUESTION 487

Which two statements about DMVPN are true?

- A. Multicast traffic is not supported
- B. It requires full-mesh connectivity on the network
- C. IPsec encryption is not supported with static addressed spokes
- D. It uses NHRP to create a mapping database of spoke addresses
- E. It supports dynamic addresses for spokes in a hub-and-spoke VPN topology

Answer: DE

NEW QUESTION 492

Which two statements about NetFlow templates are true? (Choose two)

- A. Only NetFlow version 5 is template-based.
- B. Templates can increase bandwidth usage
- C. NetFlow version 5 and version 9 are template-based
- D. Only NetFlow version 9 is template-based
- E. They can increase overall performance
- F. They can reduce bandwidth usage

Answer: BD

NEW QUESTION 496

Which two statements about NTP operation are true? (Choose two.)

- A. By default, NTP communications use UDP port 123.
- B. If multiple NTP servers are configured, the one with the lowest stratum is preferred.
- C. "Stratum" refers to the number of hops between the NTP client and the NTP server.
- D. Locally configured time overrides time received from an NTP server.
- E. If multiple NTP servers are configured, the one with the highest stratum is preferred.

Answer: AB

NEW QUESTION 499

How can you minimize unicast flooding in a network?

- A. Configure HSRP on two routers, with one subnet preferred on the first router and different subnet preferred on the second router.
- B. Set the router's ARP timeout value to be the same as the timeout value for Layer forwarding table entries.
- C. Set the router's ARP timeout value to greater than the timeout value for Layer 2 forwarding table entries.
- D. Set the router's ARP timeout value to less than the timeout value for Layer 2 forwarding table entries.

Answer: B

NEW QUESTION 503

A user is attempting to authentication on the device connected to a TACACS+ server but the server require more information from the user to complete authentication. Which response does the TACACS+ daemon return?

- A. ACCEPT

- B. ERROR
- C. REJECT
- D. CONTINUE

Answer: D

NEW QUESTION 507

A network engineer execute the show ip cache flow command. Which two types of information are displayed in the report that is generated? (Choose two)

- A. MLS flow traffic
- B. flow samples for specific protocols
- C. IP packets distribution flow expert statistic
- D. top takers

Answer: BD

NEW QUESTION 508

Which DHCP option provides a TFTP server that cisco phones can use to download a configuration?

- A. DHCP Option 82
- B. DHCP Option 68
- C. DHCP Option 66
- D. DHCP Option 57

Answer: C

NEW QUESTION 511

Which access list entry checks for an ACK within a packet TCP header?

- A. access-list 49 permit ip any any eq 21 tcp-ack
- B. access-list 149 permit tcp any any eq 21 established
- C. access-list 49 permit tcp anyany eq 21 tcp-ack
- D. access-list 49 permit tcp any any eq 21 established

Answer: B

NEW QUESTION 513

Which issue is important to address when integrating two networks with different routing protocols?

- A. preventing UDP starvation
- B. handing IPv4 fragmentation
- C. controlling unicast flooding
- D. mitigating UDP latency
- E. preventing asymmetric routing

Answer: E

NEW QUESTION 515

WHICH COMMAND DO YOU ENTER ON ROUTER R6 SO THAT BGP SUPPORTS MULTIPLE PROTOCOLS?

- A. R6(config-router-af)#bgp additional-path install
- B. R6(Config-router)#no address-family ipv6 unicast
- C. R6(config-router)#no bgp default ipv4-multicast
- D. R6(confi-router)#bgp default ipv4-multicast

Answer: B

NEW QUESTION 516

A network engineer wants to monitor hop-by-hop response time on the network Which IP SLA operation accomplishes this task?

- A. UDP echo
- B. ICMPecho
- C. ICMP path echo
- D. ICMP path jitter

Answer: C

NEW QUESTION 518

Congestion in the network. What is the effect on UDP?

- A. Sender will have to buffer more data..
- B. Receiver will have to buffer more dat
- C. Before sending packets to higher layers
- D. There will be latency
- E. x

Answer: C

NEW QUESTION 521

Company is deploying a multicast application that must be accessible between sites, but must not be accessible outside of the organization Based on

- A. FF00:/16
- B. FFOE:/16
- C. FF02:/16
- D. FF08:/16

Answer: C

NEW QUESTION 523

Which two options are benefits of BGP peer groups?(Choose two)

- A. A configuration change can be applied simultaneously to all peers in the peer group
- B. They can optimize backdoor routes
- C. They can be updated via multicast
- D. Each neighbor in a peer group can have different inbound BGP policies
- E. They use soft updates to minimize bandwidth consumption
- F. They support groups of paths

Answer: AD

NEW QUESTION 526

Which SNMP security level is available across all versions of the protocol?

- A. AuthPriv
- B. NoAuthPriv
- C. AuthNoPriv
- D. NoAuthNoPriv

Answer: A

NEW QUESTION 527

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