Cisco

200-125 Exam

Cisco Certified Network Associate Exam

Questions & Answers
Demo

Version: 67.0

Question: 1

Which two actions must you take to correctly configure PPPOE on a client?

A. Define a dialer interface.
B. Create a BBA group and link it to the dialer interface
C. Create a dialer pool and bind it to the physical interface
D. Create a dialer pool and bind it to the virtual template
E. Define a virtual template interface

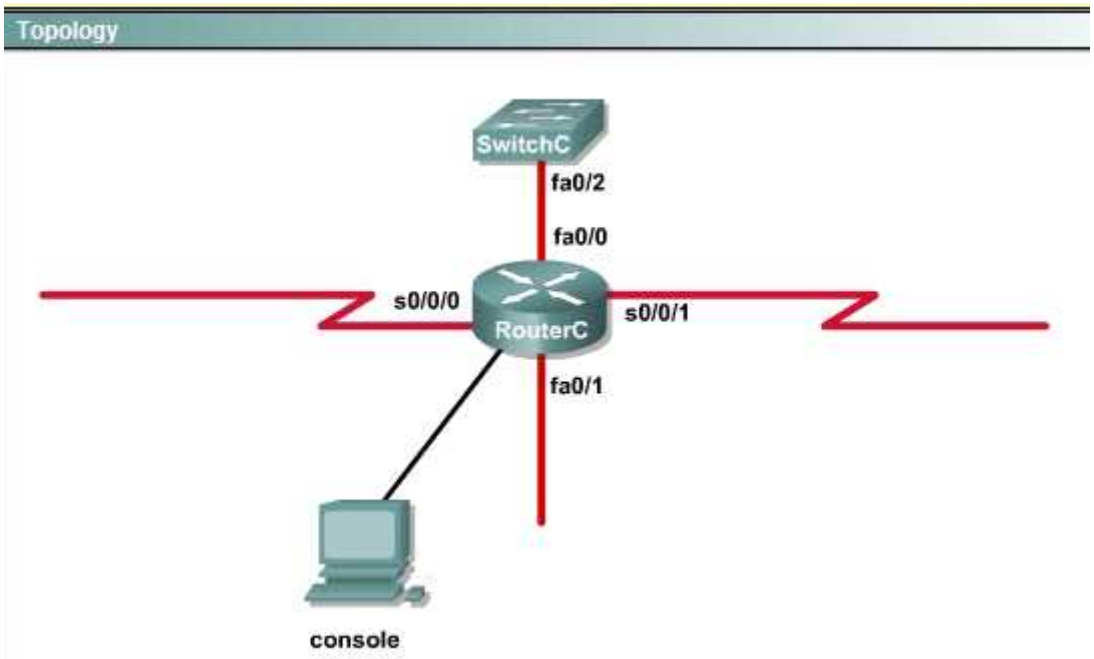
Answer: AD

Question: 2

An administrator is trying to ping and telnet from SwitchC to RouterC with the results shown below.

```
SwitchC>
SwitchC> ping 10.4.4.3
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.4.4.3, timeout is 2 seconds:
U.U.U
Success rate is 0 percent (0/5)
SwitchC>
SwitchC> telnet 10.4.4.3
Trying 10.4.4.3 ...
% Destination unreachable; gateway or host down
SwitchC>
```

Click the console connected to RouterC and issue the appropriate commands to answer the questions.


Topology
SwitchC
fa0/2
fa0/0
s0/0/0
RouterC
s0/0/1
fa0/1
console


RouterC
Press RETURN to get started!
RouterC>

```
<output omitted>

interface Loopback1
 ip address 172.16.4.1.255.255.255.0
!
interface Loopback2
 ip address 10.145.145.1  255.255.255.0
 ipv6 address 2001:410:2:3::/64 eui-64
!
interface FastEthernet0/0
 ip address 10.4.4.3.255.255.255.0
 ip access-group 106 in
 duplex auto
 speed auto
!
interface FastEthernet0/1
 no ip address
 shutdown
 duplex auto
speed auto
!
interface Serial0/0/0
 bandwidth 64
 no ip address
 ip access-group 102 out
 encapsulation frame-relay
 ip ospf authentication
 ip ospf authentication
 ip ospf authentication-key san-fran
!
interface Serial0/0/0.1 point-to-point
 ip address 10.140.3.2 255.255.255.0
 ip authentication mode eigrp 100 md5
 ip authentication key-chain eigrp 100 icndchain
 frame-relay interface-dlci 120
!
interface Serail0/0/1
 bandwidth 64
 ip address 10.45.45.1 255.255.255.0
 ip access-group 102 in
 ip authentication mode eigrp 100 md5
 ip authentication key-chain eigrp 100 icndchain
 ip ospf authentication
 ip ospf authentication-key san-fran
 ipv6 address 2001:410:2:10::/64 eui-64
!
```

```
router eigrp 100
 network 10.0.0.0
 network 172.16.0.0
 network 192.168.2.0
 not auto-summary
!
router ospf 100
 log-adjacency-changes
 network 10.4.4.3 0.0.0.0 area 0
 network 10.45.45.1 0.0.0.0 area 0
 network 10.140.3.2 0.0.0.0 area 0
 network 192.168.2.62 0.0.0.0 area 0
!
router rip
 version 2
 network 10.0.0.0
 network 172.16.0.0
!
ip default-gateway 10.1.1.2
!
!
ip http server
no ip http secure-server
!
```

```
access-list 102 permit tcp any any eq ftp
access-list 102 permit tcp any any eq ftp-data
access-list 102 deny tcp any any eq telnet
access-list 102 deny icmp any any echo-reply
access-list 102 permit ip any any

access-list 104 permit tcp any any eq ftp
access-list 104 permit tcp any any eq ftp-data
access-list 104 deny tcp any any eq telnet
access-list 104 permit icmp any any echo
access-list 104 deny icmp any any echo-reply
access-list 104 permit ip any any

access-list 106 permit tcp any any eq ftp
access-list 106 permit tcp any any ftp-data
access-list 106 deny tcp any any eq telnet
access-list 106 permit icmp any any echo-reply
access-list 110 permit udp any any eq domain
access-list 110 permit udp any eq domain any
access-list 110 permit tcp any any eq domain
access-list 110 permit tcp any eq domain any
access-list 110 permit tcp any any

access-list 114 permit ip 10.4.4.0.0.0.255 any

access-list 115 permit ip 0.0.0.0 255.255.255.0 any

access-list 122 deny tcp any any
access-list 122 deny imp any any echo-reply
access-list 122 permit ip any any
!
<output omitted>
```

Which will fix the issue and allow ONLY ping to work while keeping telnet disabled?

A. Correctly assign an IP address to interface fa0/1.
B. Change the ip access-group command on fa0/0 from “in” to “out”.
C. Remove access-group 106 in from interface fa0/0 and add access-group 115 in.
D. Remove access-group 102 out from interface s0/0/0 and add access-group 114 in
E. Remove access-group 106 in from interface fa0/0 and add access-group 104 in.

Answer: E

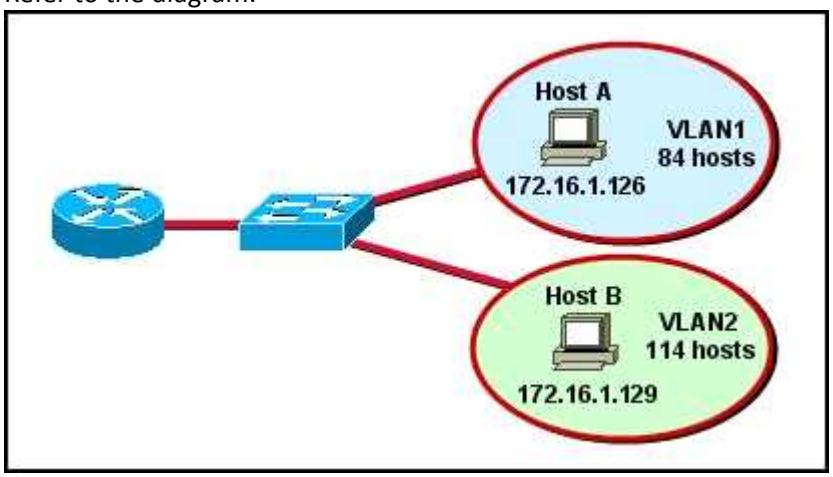
Explanation:
Let’s have a look at the access list 104:

```
access-list 104 permit tcp any any eq ftp
access-list 104 permit tcp any any eq ftp-data
access-list 104 deny tcp any any eq telent
access-list 104 permit icmp any any echo
access-list 104 permit icmp any any echo-reply
access-list 104 permit ip any any
```

The question does not ask about ftp traffic so we don't care about the two first lines. The 3rd line denies all telnet traffic and the 4th line allows icmp traffic to be sent (ping). Remember that the access list 104 is applied on the inbound direction so the 5th line "access-list 104 deny icmp any echo-reply" will not affect our icmp traffic because the "echo-reply" message will be sent over the outbound direction.

Question: 3

Refer to the diagram.



All hosts have connectivity with one another. Which statements describe the addressing scheme that is in use in the network? (Choose three.)

A. The subnet mask in use is 255.255.255.192.
B. The subnet mask in use is 255.255.255.128.
C. The IP address 172.16.1.25 can be assigned to hosts in VLAN1
D. The IP address 172.16.1.205 can be assigned to hosts in VLAN1
E. The LAN interface of the router is configured with one IP address.
F. The LAN interface of the router is configured with multiple IP addresses.

Answer: B, C, F

Question: 4

Which three encapsulation layers in the OSI model are combined into the TCP/IP application layer? (Choose three)

A. transport

B. application
C. session
D. presentation
E. data link
F. network

Answer: BCD

Question: 5

Which two statements about NTP operations are true? (Choose two)

A. NTP uses UDP over IP
B. NTP uses TCP over IP
C. Cisco routers can act only as NTP clients
D. Cisco routers can act as both NTP authoritative severs and NTP clients
E. Cisco routers can act only as NTP servers

Answer: A, D

Question: 6

Which feature or protocol is required for an IP SLA to measure UDP jitter?

A. CDP
B. LLDP
C. NTP
D. EEM

Answer: C

Reference:
https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipsla/configuration/15-mt/sla-15-mt-book/sla_udp_jitter.html

Question: 7

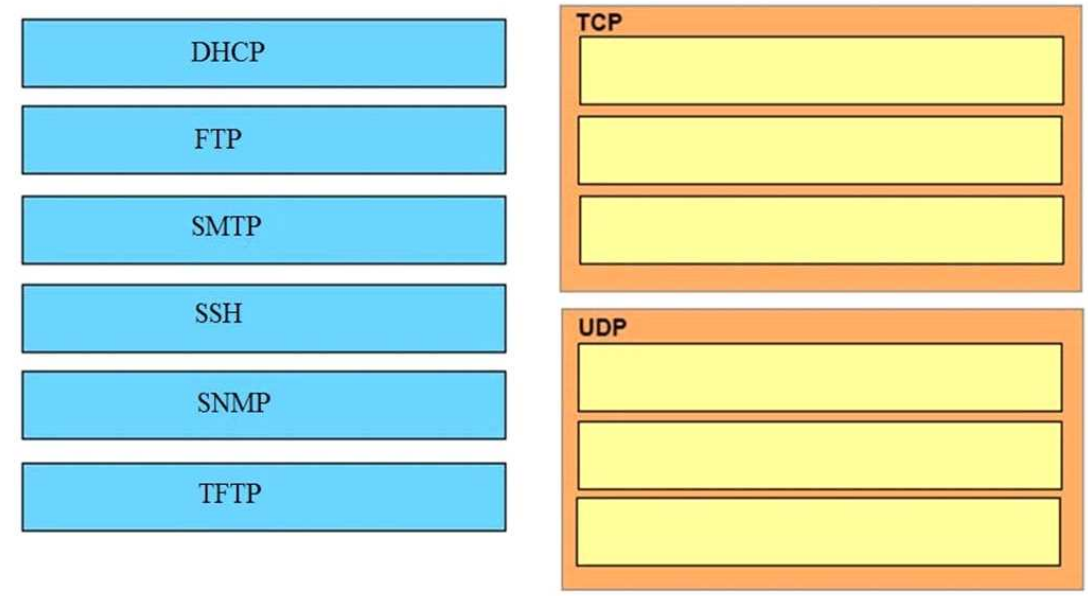
Which plane handles switching traffic through a cisco router?

A. Control
B. Data
C. Performance
D. Management

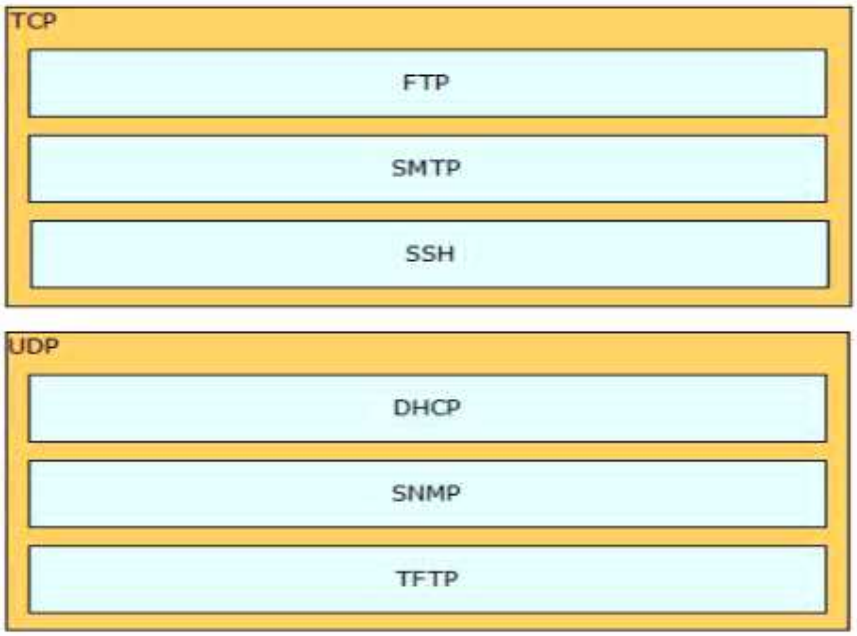
Answer: B

Question: 8

DRAG DROP
Drag and drop the application protocols from the left into the transport protocols that it uses on the right.



Answer:



Question: 9

Which command should you enter to view the error log in an EIGRP for IPv6 environment?

A. show ipv6 eigrp traffic
B. show ipv6 eigrp topology
C. show ipv6 eigrp events
D. show ipv6 eigrp neighbors

Answer: C

Reference:
https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute_eigrp/command/ire-cr-book/ire-s1.html#wp2848779660

Question: 10

Which type of device should you use to preserve IP addresses on your network?

A. intrusion prevention device
B. WLAN controller
C. load balancer
D. firewall

Answer: D