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Vendor:Cisco

Exam Code:350-401

Exam Name:Implementing and Operating Cisco
Enterprise Network Core Technologies (ENCOR) & CCIE
Enterprise Infrastructure & CCIE Enterprise Wireless

Version:Demo

QUESTION 1

Which two statements about EIGRP load balancing are true? (Choose two)

- A. Cisco Express Forwarding is required to load-balance across interfaces
- B. A path can be used for load balancing only if it is a feasible successor
- C. EIGRP supports unequal-cost paths by default
- D. Any path in the EIGRP topology table can be used for unequal-cost load balancing
- E. EIGRP supports 6 unequal-cost paths

Correct Answer: BE

EIGRP provides a mechanism to load balance over unequal cost paths (or called unequal cost load balancing) through the "variance" command. In other words, EIGRP will install all paths with metric

condition states that, the Advertised Distance (AD) of a route must be lower than the feasible distance of the current successor route.

QUESTION 2

Refer to the exhibit.



Cisco DNA Center has obtained the username of the client and the multiple devices that the client is using on the network. How is Cisco DNA Center getting these context details?

- A. The administrator had to assign the username to the IP address manually in the user database tool on Cisco DNA Center.
- B. Those details are provided to Cisco DNA Center by the Identity Services Engine
- C. Cisco DNA Center pulled those details directly from the edge node where the user connected.
- D. User entered those details in the Assurance app available on iOS and Android devices

Correct Answer: B

QUESTION 3

Which two new security capabilities are introduced by using a next-generation firewall at the Internet edge? (Choose two.)

- A. DVPN
- B. NAT
- C. stateful packet inspection
- D. application-level inspection
- E. integrated intrusion prevention

Correct Answer: DE

QUESTION 4

Refer to the exhibit. What is displayed when the code is run?

```
def main():  
    print("The answer is " + str(magic(5)))  
  
def magic(num):  
    try:  
        answer = num + 2 * 10  
    except:  
        answer = 100  
    return answer  
  
main()
```

- A. The answer is 25

- B. The answer is 70
- C. The answer is 5
- D. The answer is 100

Correct Answer: A

The "magic" function receives a number, which is 5 from main() in this question. This function returns a result of $5 + 2 * 10 = 25$ and the str() function converts it into a string ("25") before printing to the terminal.

```
1  def main():
2      print("The answer is " + str(magic(5)))
3
4  def magic(num):
5      try:
6          answer = num + 2 * 10
7      except:
8          answer = 100
9      return answer
10
11  main()
12  |
```

Python - teststring.py:12 ✓

The answer is 25
[Finished in 0.151s]

QUESTION 5

Which OSPF networks types are compatible and allow communication through the two peering devices?

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

Correct Answer: A

The following different OSPF types are compatible with each other:

+ Broadcast and Non-Broadcast (adjust hello/dead timers) + Point-to-Point and Point-to-Multipoint (adjust hello/dead timers) Broadcast and Non-Broadcast networks elect DR/BDR so they are compatible. Point-to-point/ multipoint do not elect DR/BDR so they are compatible.

Reference: <https://www.freeccnaworkbook.com/workbooks/ccna/configuring-ospf-network-types>

QUESTION 6

What is an emulated machine that has dedicated compute, memory, and storage resources and a fully installed operating system?

- A. host
- B. mainframe
- C. container
- D. virtual machine

Correct Answer: D

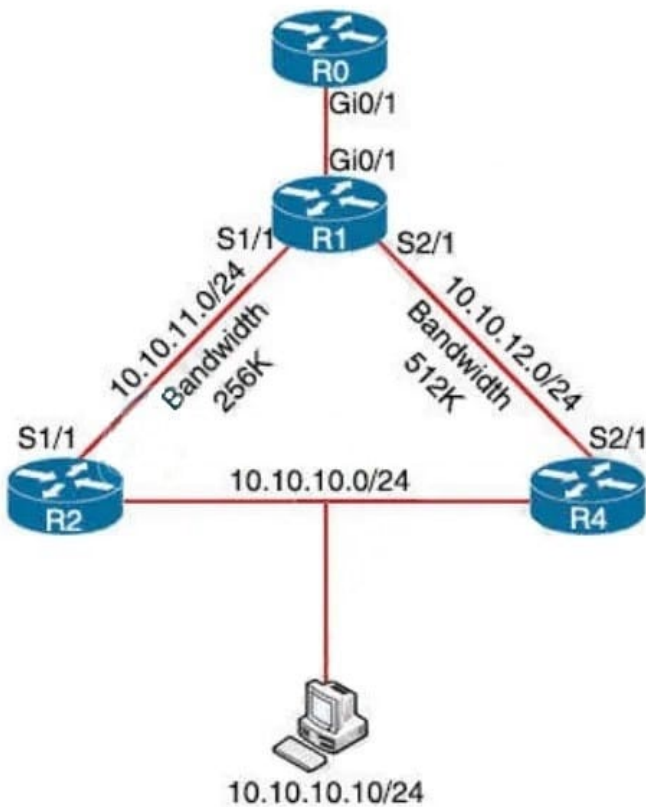
Mainframe + Host are Hardware Devices and they do not EMULATE but rather EXECUTE.

Virtual Machine is the only "EMULATION" capable thing in the list.

A container is a software wrapper that allows programs to run inside it, but itself it still needs to be executed and not emulated.

QUESTION 7

Refer to the exhibit. TCP traffic should be reaching host 10.10.10.10/24 via R2. Which action resolves the issue?



```

R1#config t
R1(config)#ip access-list extended UDP-ACL
R1(config-ext-nacl)#permit udp any any
R1(config-ext-nacl)#exit
R1(config)#route-map VIA-R2 permit 10
R1(config-route-map)#match ip address UDP-ACL
R1(config-route-map)#set ip next-hop 10.10.11.2
R1(config-route-map)#exit
R1(config)#interface Gi0/1
R1(config-if)#ip policy route-map VIA-R2
R1(config-if)#end

```

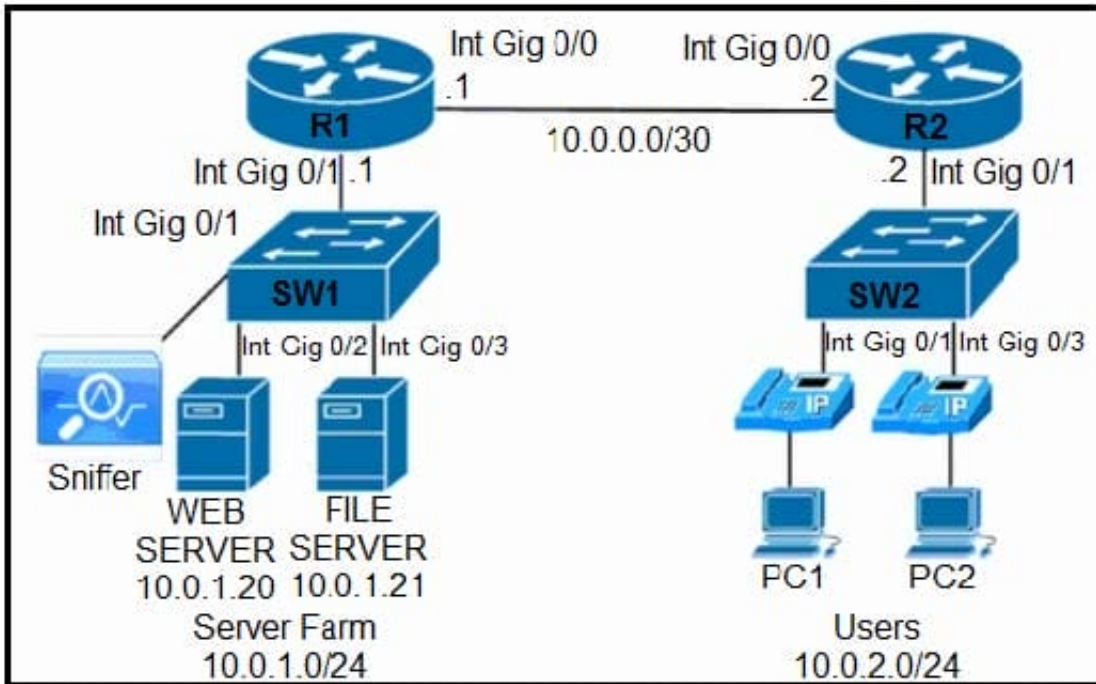
- A. Allow TCP in the access list with no changes to the route map.
- B. Set IP next-hop to 10.10.12.2 under the route-map permit 10 to allow TCP traffic.
- C. Add a permit 20 statement in the route map to allow TCP traffic.
- D. TCP traffic will reach the destination via R2 without any changes.

Correct Answer: A

If we add a "permit 20" statement in the route-map then we will allow other traffic to pass through (in fact Policy-based routing allows other traffic to pass through by default). But the bandwidth of R1-R4 is higher than that of R1-R2 so TCP traffic might go through R4 instead of R2. Therefore we should allow TCP in the ACL so that TCP traffic is forwarded via R2.

QUESTION 8

Refer to the exhibit.



A network engineer is troubleshooting an issue with the file server based on reports of slow file transmissions. Which two commands or command sets are required to switch SW1 to analyze the traffic from the file server with a packet analyzer? (Choose two.)

- A. SW1#show monitor
- B. SW1(config)#monitor session 1 source interface gigabitethernet0/3 SW1(config)#monitor session 1 destination interface gigabitethernet0/1 encapsulation replicate
- C. SW1#show ip route
- D. SW1#show vlan
- E. SW1(config)#monitor session 1 source interface gigabitethernet0/1 SW1(config)#monitor session 1 destination interface gigabitethernet0/3 encapsulation replicate

Correct Answer: AB

QUESTION 9

Which of the following are the three components of the three-tier hierarchical networking model used in the classical Cisco networks design? (Choose three.)

- A. Distribution
- B. Core
- C. Access
- D. Leaf

E. Spine

Correct Answer: ABC

QUESTION 10

Which exhibit displays a valid JSON file?


```
A. {
  "hostname": "edge_router_1"
  "interfaces": {
    "GigabitEthernet1/1"
    "GigabitEthernet1/2"
    "GigabitEthernet1/3"
  }
}

B. {
  "hostname": "edge_router_1",
  "interfaces": {
    "GigabitEthernet1/1",
    "GigabitEthernet1/2",
    "GigabitEthernet1/3",
  },
}

C. {
  "hostname": "edge_router_1"
  "interfaces": [
    "GigabitEthernet1/1"
    "GigabitEthernet1/2"
    "GigabitEthernet1/3"
  ]
}

D. {
  "hostname": "edge_router_1",
  "interfaces": [
    "GigabitEthernet1/1",
    "GigabitEthernet1/2",
    "GigabitEthernet1/3"
  ]
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: D

QUESTION 11

A network administrator applies the following configuration to an IOS device:

```
aaa new-model
```

```
aaa authentication login default local group tacacs+
```

What is the process of password checks when a login attempt is made to the device?

A. A TACACS+server is checked first. If that check fail, a database is checked?

B. A TACACS+server is checked first. If that check fail, a RADIUS server is checked. If that check fail. a local database is checked.

C. A local database is checked first. If that fails, a TACACS+server is checked, if that check fails, a RADIUS server is checked.

D. A local database is checked first. If that check fails, a TACACS+server is checked.

Correct Answer: D

The "aaa authentication login default local group tacacs+" command is broken down as follows:

+

The `aaa authentication` part is simply saying we want to configure authentication settings.

+

The `login` is stating that we want to prompt for a username/ password when a connection is made to the device.

+

The `default` means we want to apply for all login connections (such as tty, vty, console and aux). If we use this keyword, we don't need to configure anything else under tty, vty and aux lines. If we don't use this keyword then we have to specify which line(s) we want to apply the authentication feature.

+

The `local group tacacs+" means all users are authenticated using router's local database (the first method). If the credentials are not found on the local database, then the TACACS+ server is used (the second method).

Reference: <https://www.cisco.com/c/en/us/support/docs/security-vpn/terminal-access-controller-access-control-system-tacacs-/200606-aaa-authentication-login-default-local.html>

QUESTION 12

Which function does a fabric AP perform in a Cisco SD-Access deployment?

A. It updates wireless clients\' locations in the fabric

B. It connects wireless clients to the fabric.

C. It manages wireless clients\' membership information in the fabric D. It configures security policies down to wireless clients in the fabric

Correct Answer: B