350-401^{Q&As}

Implementing and Operating Cisco Enterprise Network Core
Technologies (ENCOR)

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QUESTION 1

What are two characteristics of a directional antenna? (Choose two.)

A. commonly used to cover large areas

B. low gain

C. provides the most focused and narrow beam-width

D. receive signals equally from all directions

E. high gain

Correct Answer: CE

QUESTION 2

Refer to the exhibit.

An engineer reconfigures the port-channel between SW1 and SW2 from an access port to a trunk and immediately notices this error in SW1\\'s log:

*Mar 1 09:47:22.245: %PM-4-ERR_DISABLE: bpduguard error detected on Gi0/0, putting Gi0/0 in err-disable state

Which command set resolves this error?

A. SW1(config-if)#interface G0/0 SW1(config-if)#no spanning-tree bpdufilter SW1(config-if)#shut SW1(config-if)#no shut

B. SW1(config-if)#interface G0/0 SW1(config-if)#no spanning-tree bpduguard enable SW1(config-if)#shut SW1(config-if)#no shut

C. SW1(config-if)#interface G0/0 SW1(config-if)#spanning-tree bpduguard enable SW1(config-if)#shut SW1(config-if)#no shut

D. SW1(config-if)#interface G0/1 SW1(config-if)#spanning-tree bpduguard enable SW1(config-if)#shut SW1(config-if)#no shut

Correct Answer: B

QUESTION 3

What does a router do when configured with the default DNS lookup settings, and a URL is entered on the CLI?

A. initiates a ping request to the URL

B. prompts the user to specify the desired IP address

C. continuously attempts to resolve the URL until the command is cancelled

D. sends a broadcast message in an attempt to resolve the URL

Correct Answer: D

QUESTION 4

What is a characteristic of a Type 2 hypervisor?

A. It is installed on an operating system and supports other operating systems above it.

B. It is referred to as a hosted hypervisor.

C. Problems in the base operating system can affect the entire system.

D. It is completely independent of the operating system.

Correct Answer: C

Type 2 It is completely dependent on Host Operating System for its operations. While having a base operating system allows better specification of policies, any problem in the base operating system affects the entire system even if the hypervisor running above the base OS is secure.

QUESTION 5

Which statement about VXLAN is true?

A. VXLAN uses TCP 35 the transport protocol over the physical data cento network.

B. VXLAN extends the Layer 2 Segment ID field to 24-bits. which allows up to 4094 unique Layer 2 segments over the same network.

C. VXLAN encapsulates a Layer 2 frame in an IP-UDP header, which allows Layer 2 adjacency across router boundaries.

D. VXLAN uses the Spanning Tree Protocol for loop prevention.

Correct Answer: C

802.1Q VLAN identifier space is only 12 bits. The VXLAN identifier space is 24 bits. This doubling in size allows the VXLAN ID space to support 16 million Layer 2 segments -> Answer \\'VXLAN extends the Layer 2 Segment ID field to 24-bits,

which allows up to 4094 unique Layer 2 segments over the same network\\' is not correct.

VXLAN is a MAC-in-UDP encapsulation method that is used in order to extend a Layer 2 or Layer 3 overlay network

over a Layer 3 infrastructure that already exists.

Reference:

https://www.cisco.com/c/en/us/support/docs/lan-switching/vlan/212682- virtualextensible-lan-and-ethernet-virt.html

QUESTION 6

How is CAPWAP data traffic encapsulated when running an Over the Top WLAN in a Cisco SD-Access wireless environment?

A. LISP

B. VXLAN

C. GRE

D. IPsec

Correct Answer: B

https://www.cisco.com/c/dam/en/us/td/docs/cloud-systems-management/network-automation-and-management/dna-center/deploy-guide/cisco-dna-center-sd-access-wl-dg.pdf

QUESTION 7

A switch is attached to router R1 on its gig 0/0 interface. Fort security reasons, you want to prevent R1 from sending OSPF hellos to the switch. Which command should be enabled to accomplish this?

A. R1(config-router)#ip ospf hello disable

B. R1(config-router)#ip ospf hello-interval 0

C. R1(config)#passive-interface Gig 0/0

D. R1(config-router)#passive-interface Gig 0/0

Correct Answer: D

QUESTION 8

Refer to the exhibit.

```
R1#show ip bgp summary
BGP router identifier 1.1.1.1, local AS number 65001
BGP table version is 1, main routing table version 1

Neighbor       V       AS MsgRcvd MsgSent  TblVer  InQ OutQ Up/Down  State/PfxRcd
192.168.12.2   4       65002    0     0      1    0    0 00:00:15 Idle
R1#show ip interface brief | include 192.168.12
FastEthernet0/0           192.168.12.1   YES NVRAM  up              up

R2#show ip bgp summary
BGP router identifier 2.2.2.2, local AS number 65002
BGP table version is 1, main routing table version 1

Neighbor       V       AS MsgRcvd MsgSent  TblVer  InQ OutQ Up/Down  State/PfxRcd
192.168.12.1   4       65001    0     0      1    0    0 00:01:00 Idle (Admin)
R2#show ip interface brief | include 192.168.12
Ethernet0/0           192.168.12.2   YES NVRAM  up              up
R2#ping 192.168.12.1
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.12.1, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms
```

R1 and R2 are directly connected, but the BGP session does not establish. Which action must be taken to build an eBGP session?

A. Configure ip route 1.1.1.1 0.0.0.0 192.168.12.1 on R2.

B. Configure neighbor 192.168.12.1 activate under R2 BGP process.

C. Configure neighbor 2.2.2.2 remote-as 65002 under R1 BGP process.

D. Configure no neighbor 192.168.12.1 shutdown under R2 BGP process.

Correct Answer: D

Reference: https://www.noction.com/blog/debug-bgp-states#:~:text=Idle%20(Admin)%20means%20that%20the,!andtext=This%20is%20a%20good%20way,BGP%20section%20of%20the%20configuration

QUESTION 9

Refer to the exhibit.

```
ip vrf BLUE                                                        6 / 11
 rd 1:1
!
interface Vlan100
 description GLOBAL_INTERFACE
 ip address 10.10.1.254 255.255.255.0
!
access-list 101 permit ip 10.10.5.0 0.0.0.255 10.10.1.0
255.255.255.0
!
route-map VRF_TO_GLOBAL permit 10
 match ip address 101
set global
!
interface Vlan500
 description VRF_BLUE
 ip vrf forwarding BLUE
 ip address 10.10.5.254 255.255.255.0
ip policy route-map VRF_TO_GLOBAL
```

An engineer attempts to create a configuration to allow the Blue VRF to leak Into the global fouling table, but the configuration does not function as expected. Which action resolves this Issue?

A. Change the access-list destination mask to a wildcard.

B. Change the source network that Is specified in access-list 101.

C. Change the route-map configuration to VRF_BLUE.

D. Change the access-list number in the route map

Correct Answer: A

QUESTION 10

Which two security features are available when implementing NTP? (Choose two)

A. symmetric server passwords

B. dock offset authentication

C. broadcast association mode

D. encrypted authentication mechanism

E. access list-based restriction scheme

Correct Answer: DE

The time kept on a machine is a critical resource and it is strongly recommend that you use the security features of NTP to avoid the accidental or malicious setting of incorrect time. The two security features available are an access list-based restriction scheme and an encrypted authentication mechanism.

Reference: https://www.cisco.com/c/en/us/support/docs/availability/high-availability/19643-ntpm.html

QUESTION 11

```
flow record NetFlow-Record
 match ipv4 protocol
 match ipv4 source address
 match ipv4 destination address
 match transport source-port
 match transport destination-port
 collect counter bytes
 collect counter packets

flow exporter NetFlow-Exporter
 destination 192.168.0.254
 transport udp 2055

flow monitor NetFlow-Monitor
 exporter NetFlow-Exporter
 record NetFlow-Record

interface GigabitEthernet0/0
 ip flow monitor NetFlow-Monitor input
```

Refer to the exhibit. The DevOps team noticed missing NetFlow data during peak utilization times for remote branches. Which configuration allows for this issue to be minimized or resolved?

A. Configure NetFlow on the in and outbound directions.

B. Change the transport type from UDP to TCP.

C. Configure long byte counters when specifying a flow record.

D. Change the flow monitor to IPv6 from IPv4.

Correct Answer: A

QUESTION 12

Which statement about a Cisco APIC controller versus a more traditional SDN controller is true?

A. APIC does support a Southbound REST API

B. APIC supports OpFlex as a Northbound protocol

C. APIC uses a policy agent to translate policies into instructions

D. APIC uses an imperative model

Correct Answer: C

The southbound protocol used by APIC is OpFlex that is pushed by Cisco as the protocol for policy enablement across physical and virtual switches. Southbound interfaces are implemented with some called Service Abstraction Layer (SAL),

which talks to the network elements via SNMP and CLI.

Note: Cisco OpFlex is a southbound protocol in a software-defined network (SDN).

QUESTION 13

"HTTP/1.1 204 content" is returned when cur -I -x DELETE command is issued. Which situation has occurred?

A. The object could not be located at the URI path

B. The command succeeded in deleting the object

C. The object was located at the URI, but it could not be deleted.

D. The URI was invalid

Correct Answer: B

QUESTION 14

DRAG DROP Refer to the exhibit Drag and drop the snippets into the RESTCONF request to form the request that returns this response. Not all options are used

```
{
Cisco-IOS-XE-native:GigabitEthernet": {
"name": "1",
"vrf": {
"forwarding": "MANAGEMENT"
},
"ip": {
"address": {
"primary": {
"address": "10.0.0.151",
"mask". "255.255 255.0"
}
}
},
"mop": {
"enabled": false
},
"Cisco-IOS-XE-ethernet:negotiation": {
"auto": true
}
}
}
```

Select and Place:

```
URL - http://10.10.10.10/restconf/api/running/native/ [          ]

HTTP Verb- [                    ]

Body- N/A

Headers- [                    ] -application/vnd.yang.data+json

Authentication-privileged level 15 credentials
```

POST	Accept	Cisco-IOS-XE
interface/GigabitEthernet/1/	GET	PUT

Correct Answer:

```
URL - http://10.10.10.10/restconf/api/running/native/ interface/GigabitEthernet/1/

HTTP Verb- [        GET        ]

Body- N/A

Headers- [      Accept      ] -application/vnd.yang.data+json

Authentication-privileged level 15 credentials
```

POST		Cisco-IOS-XE
		PUT

QUESTION 15

What is one benefit of implementing a data modeling language?

A. use XML style of data formatting

B. interoperability to allow unlimited implementations

C. machine-oriented logic and language-facilitated processing

D. conceptual representation makes interpretation simple

Correct Answer: D

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