

350-401^{Q&As}

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

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QUESTION 1

Where is radio resource management performed in a cisco SD-access wireless solution?

- A. DNA Center
- B. control plane node
- C. wireless controller
- D. Cisco CMX

Correct Answer: C

Fabric wireless controllers manage and control the fabric-mode APs using the same general model as the traditional local-mode controllers which offers the same operational advantages such as mobility control and radio resource management. A significant difference is that client traffic from wireless endpoints is not tunneled from the APs to the wireless controller. Instead, communication from wireless clients is encapsulated in VXLAN by the fabric APs which build a tunnel to their first-hop fabric edge node. Wireless traffic is tunneled to the edge nodes as the edge nodes provide fabric services such as the Layer 3 Anycast Gateway, policy, and traffic enforcement.

<https://www.cisco.com/c/en/us/td/docs/solutions/CVD/Campus/cisco-sda-design-guide.html>

QUESTION 2**SIMULATION****Task**

Configure HSRP between DISTRO-SW1 and DISTRO-SW2 on VLAN 100 for hosts connected to ACCESS-SW1 to achieve these goals:

1.

Configure group number 1 using the virtual IP address of 192.168.1.1/24.

2.

Configure DISTRO-SW1 as the active router using a priority value of 110 and DISTRO-SW2 as the standby router.

3.

Ensure that DISTRO-SW2 will take over the active role when DISTRO-SW1 goes down, and when DISTRO-SW1 recovers, it automatically resumes the active role.

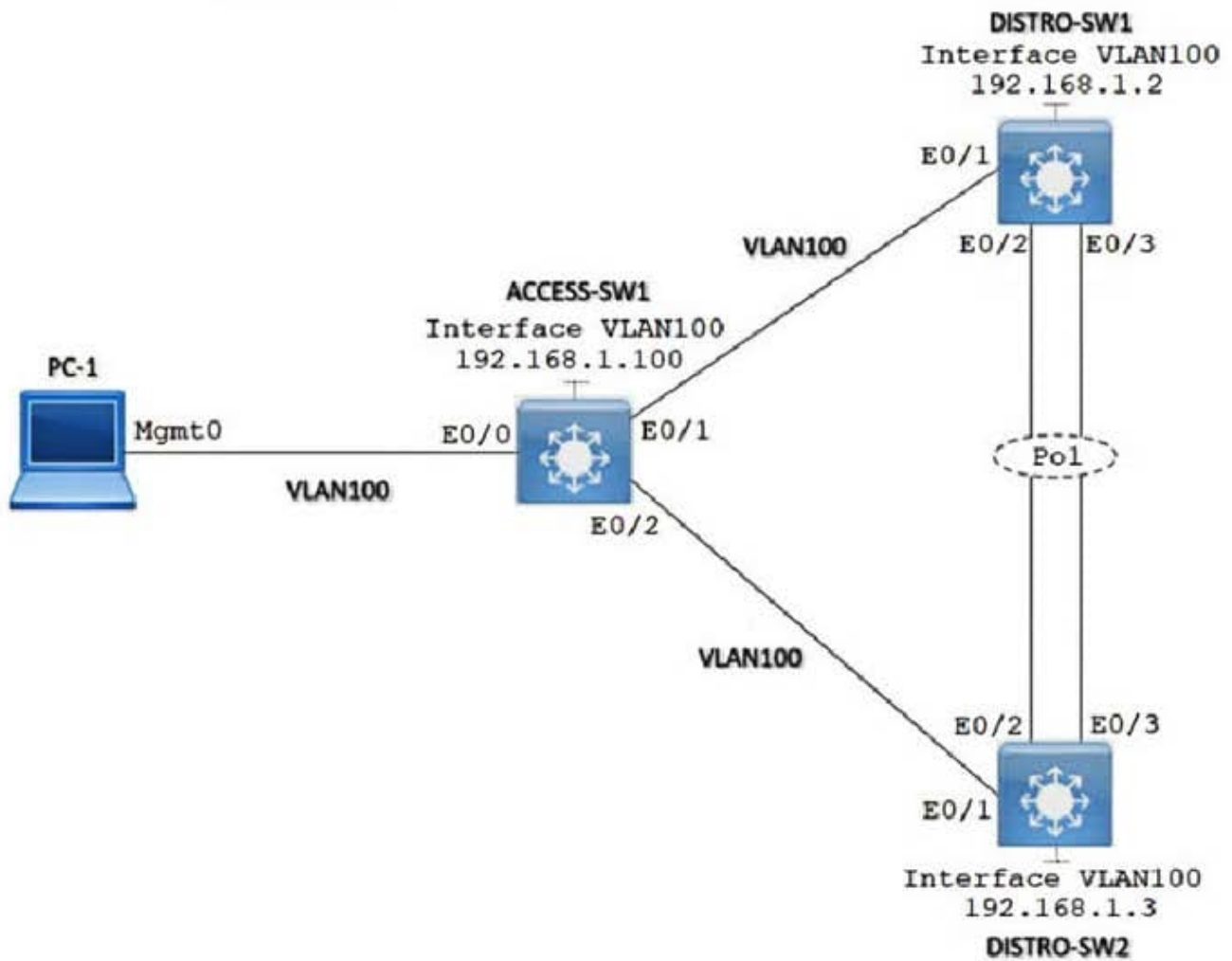
Topology

Guidelines **Topology** Tasks

DISTRO-SW1 DISTRO-SW2

The diagram illustrates a network topology for a Cisco 350-401 exam. It features three main components: a PC, an Access Switch, and two Distribution Switches. PC-1 is connected to the Management interface (Mgmt0) of Access-SW1. Access-SW1 has a VLAN 100 interface connected to its E0/0 port. The E0/2 port of Access-SW1 is connected to the E0/2 port of DISTRO-SW1. The E0/2 port of DISTRO-SW1 is connected to the E0/1 port of DISTRO-SW2. Both DISTRO-SW1 and DISTRO-SW2 have a VLAN 100 interface. The IP addresses for the VLAN 100 interfaces are 192.168.1.2 for DISTRO-SW1 and 192.168.1.3 for DISTRO-SW2. The diagram also shows other ports on the switches, including E0/1, E0/2, and E0/3 on DISTRO-SW1, and E0/1, E0/2, and E0/3 on DISTRO-SW2.

```
graph LR
    PC1[PC-1] --- Mgmt0[Mgmt0] --- AccessSW1[Access-SW1]
    AccessSW1 --- VLAN100_A[VLAN 100]
    AccessSW1 --- E0_2_A[E0/2]
    DISTROSW1[DISTRO-SW1] --- E0_2_D1[E0/2]
    DISTROSW2[DISTRO-SW2] --- E0_1_D2[E0/1]
    E0_2_A --- E0_2_D1
    E0_2_D1 --- E0_1_D2
    DISTROSW1 --- VLAN100_D1[VLAN 100]
    DISTROSW2 --- VLAN100_D2[VLAN 100]
```



```
DISTRO-SW1#sh run
DISTRO-SW1#sh running-config
Building configuration...
Current configuration : 1661 bytes
!
! Last configuration change at 02:15:58 PST Fri May 20 2022
!
version 15.2
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
service compress-config
!
hostname DISTRO-SW1
!
boot-start-marker
boot-end-marker
!
!
!
no aaa new-model
clock timezone PST -8 0
!
```


DISTRO-SW2

The image shows a terminal window with a dark background. At the top left, the text "no ipv6 cef" is visible. The terminal displays several lines of configuration commands: "spanning-tree mode pvst" and "spanning-tree extend system-id". Below these, there are three interface configurations: "interface Port-channel1" with "switchport trunk encapsulation dot1q", "switchport trunk native vlan 100", and "switchport mode trunk"; "interface Ethernet0/0"; and "interface Ethernet0/1" with "switchport trunk encapsulation dot1q", "switchport trunk vlan 100", and "switchport mode trunk". The terminal is overlaid with a large, semi-transparent watermark that reads "CHINESEDUMPS" in blue and "通过测试" (Passed Test) in white. In the top right corner of the terminal window, there are two small icons: a gear and a right-pointing arrow.

```
!
interface Ethernet0/1
switchport trunk encapsulation dot1q
switchport trunk native vlan 100
switchport mode trunk
!
interface Ethernet0/2
switchport trunk encapsulation dot1q
switchport trunk native vlan 100
switchport mode trunk
channel-group 1 mode passive
!
interface Ethernet0/3
switchport trunk encapsulation dot1q
switchport trunk native vlan 100
switchport mode trunk
channel-group 1 mode passive
!
interface Vlan100
ip address 192.168.1.3 255.255.255.0
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
!
ip ssh server algorithm encryption aes128-ctr aes192-ctr aes256-ctr
ip ssh client algorithm encryption aes128-ctr aes192-ctr aes256-ctr
!
```

A. See the solution below in Explanation.

B. Place Holder

C. Place Holder

D. Place Holder

Correct Answer: A

DISTRO-SW1 Sw1 int vlan 100 standby 1 ip 192.168.1.1 standby 1 priority 110 standby 1 preempt copy run start

DISTRO-SW2 SW2 int vlan 100 standby 1 ip 192.168.1.1 standby 1 preempt copy run start

OR

MINOR CHANGE IN ABOVE HSRP SCENERIO

Implement GLBP between DISTRO-SW1 and DISTRO-SW2 on VLAN100 for hosts connected to ACCESS-SW1 to achieve these goals:

1. Configure group 1 using the virtual IP address of 192.168.1.254.
2. Configure DISTRO-SW1 as the AVG using a priority value of 110.
3. If DISTRO-SW1 suffers a failure and recovers, ensure that it automatically resumes the AVG role after waiting for a minimum of 15 seconds.

DISTRO-SW1 Sw1

```
int vlan 100 glbp 1 ip 192.168.1.254 glbp 1 priority 110 glbp 1 timers 5 15 glbp 1 preempt
```

```
copy run start
```

```
DISTRO-SW2 SW2 int vlan 100 glbp 1 ip 192.168.1.254 glbp 1 timers 5 15 glbp 1 preempt copy run start
```

QUESTION 3

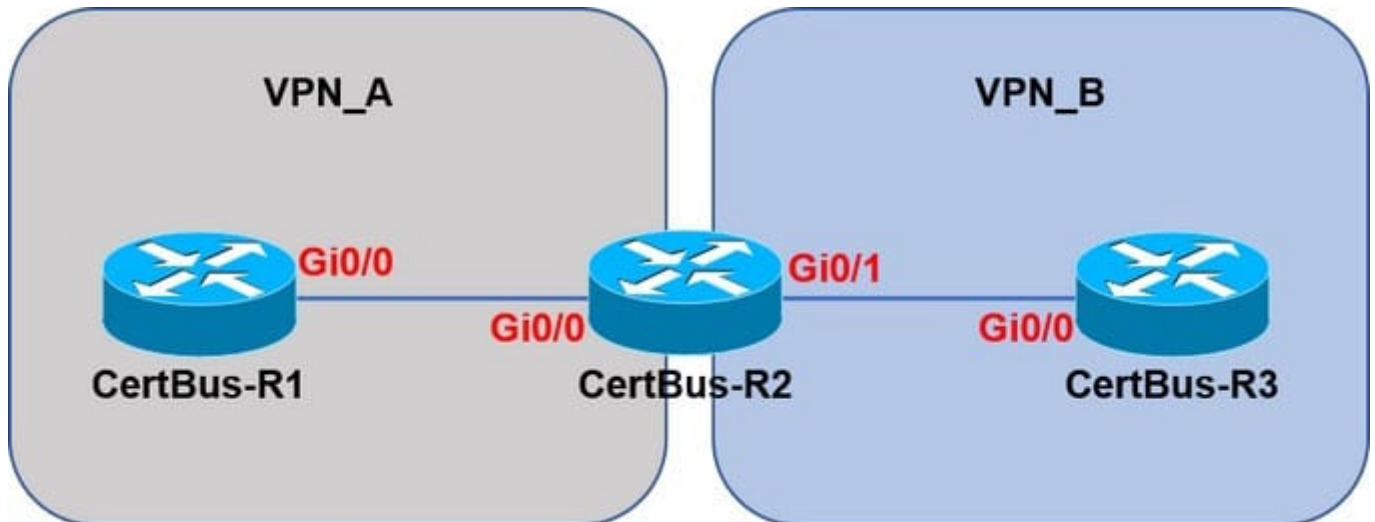
What is a characteristic of YANG?

- A. It is a Cisco proprietary language that models NETCONF data
- B. It allows model developers to create custom data types
- C. It structures data in an object-oriented fashion to promote model reuse
- D. It provides loops and conditionals to control how within models

Correct Answer: C

QUESTION 4

Refer to the exhibit.



Assuming that R1 is a CE router, which VRF is assigned to Gi0/0 on R1?

- A. VRF VPN_B
- B. Default VRF
- C. Management VRF
- D. VRF VPN_A

Correct Answer: B

There is nothing special with the configuration of Gi0/0 on R1. Only Gi0/0 interface on R2 is assigned to VRF VPN_A. The default VRF here is similar to the global routing table concept in Cisco IOS

QUESTION 5

What is the structure of a JSON web token?

- A. three parts separated by dots: header payload, and signature
- B. header and payload
- C. three parts separated by dots: version header and signature
- D. payload and signature

Correct Answer: A

JSON Web Token (JWT) is an open standard (RFC 7519) that defines a compact and self-contained way for securely transmitting information between parties as a JSON object. This information can be verified and trusted because it is

digitally signed. JWTs can be signed using a secret (with the HMAC algorithm) or a public/private key pair using RSA or ECDSA. JSON Web Tokens are composed of three parts, separated by a dot (.): Header, Payload, Signature. Therefore,

a JWT typically looks like the following:

xxxxx.yyyyy.zzzzz

The header typically consists of two parts: the type of the token, which is JWT, and the signing algorithm being used, such as HMAC SHA256 or RSA. The second part of the token is the payload, which contains the claims. Claims are

statements about an entity (typically, the user) and additional data. To create the signature part you have to take the encoded header, the encoded payload, a secret, the algorithm specified in the header, and sign that.

Reference: <https://jwt.io/introduction/>

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