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- A. Mobility groups are established between wireless controllers.
- B. The management VLAN is present as a dynamic VLAN on the second WLC.
- C. WLCs use separate DHCP servers.
- D. WLCs have the same IP addresses configured on their interfaces.

Correct Answer: D

QUESTION 52

What is a benefit of a virtual machine when compared with a physical server?

- A. Multiple virtual servers can be deployed on the same physical server without having to buy additional hardware.
- B. Virtual machines increase server processing performance.
- C. The CPU and RAM resources on a virtual machine cannot be affected by other virtual machines.
- D. Deploying a virtual machine is technically less complex than deploying a physical server.

Correct Answer: A

QUESTION 53

What is one primary REST security design principle?

- A. fail-safe defaults
- B. password hash
- C. adding a timestamp in requests
- D. OAuth

Correct Answer: A

QUESTION 54

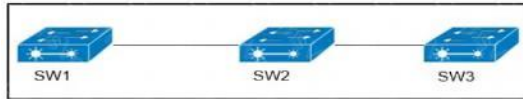
In Cisco DNA Center, what is the integration API?

- A. southbound consumer-facing RESTful API, which enables network discovery and configuration management
- B. westbound interface, which allows the exchange of data to be used by ITSM, IPAM and reporting
- C. an interface between the controller and the network devices, which enables network discovery and configuration management
- D. northbound consumer-facing RESTful API, which enables network discovery and configuration management

Correct Answer: B

QUESTION 55

Refer to exhibit. VLANs 50 and 60 exist on the trunk links between all switches. All access ports on SW3 are configured for VLAN 50 and SW1 is the VTP server. Which command ensures that SW3 receives frames only from VLAN 50?



- A. SW1 (config)#vtp pruning
- B. SW3(config)#vtp mode transparent
- C. SW2(config)=vtp pruning
- D. SW1 (config >#vtp mode transparent

Correct Answer: A

Explanation:

SW3 does not have VLAN 60 so it should not receive traffic for this VLAN (sent from SW2). Therefore we should configure VTP Pruning on SW3 so that SW2 does not forward VLAN 60 traffic to SW3. Also notice that we need to configure pruning on SW1 (the VTP Server), not SW2.

QUESTION 56

In which two ways does the routing protocol OSPF differ from EIGRP? (Choose two.)

- A. OSPF supports an unlimited number of hops. EIGRP supports a maximum of 255 hops.
- B. OSPF provides shorter convergence time than EIGRP.
- C. OSPF is distance vector protocol. EIGRP is a link-state protocol.
- D. OSPF supports only equal-cost load balancing. EIGRP supports unequal-cost load balancing.
- E. OSPF supports unequal-cost load balancing. EIGRP supports only equal-cost load balancing.

Correct Answer: AD

QUESTION 57

When a wireless client roams between two different wireless controllers, a network connectivity outage is experienced for a period of time. Which configuration issue would cause this problem?

- A. Not all of the controllers in the mobility group are using the same mobility group name.
- B. Not all of the controllers within the mobility group are using the same virtual interface IP address.
- C. All of the controllers within the mobility group are using the same virtual interface IP address.
- D. All of the controllers in the mobility group are using the same mobility group name.

Correct Answer: B

QUESTION 58

Which measurement is used from a post wireless survey to depict the cell edge of the access points?

- A. SNR
- B. Noise
- C. RSSI
- D. CCI

Correct Answer: C

Explanation:

Coverage defines the ability of wireless clients to connect to a wireless AP with a signal strength

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and quality high enough to overcome the effects of RF interference. The edge of the coverage for an AP is based on the signal strength and SNR measured as the client device moves away from the AP.

The signal strength required for good coverage varies dependent on the specific type of client devices and applications on the network.

To accommodate the requirement to support wireless Voice over IP (VoIP), refer to the RF guidelines specified in the Cisco 7925G Wireless IP Phone Deployment Guide. The minimum recommended wireless signal strength for voice applications is -67 dBm and the minimum SNR is 25 dB.

The first step in the analysis of a post site survey is to verify the 'Signal Coverage'. The signal coverage is measured in dBm. You can adjust the color-coded signal gauge to your minimum-allowed signal level to view areas where there are sufficient and insufficient coverage. The example in Figure 8 shows blue, green, and yellow areas in the map have signal coverage at -67 dBm or better. The areas in grey on the coverage maps have deficient coverage.

https://www.cisco.com/c/en/us/td/docs/wireless/technology/vowlan/troubleshooting/vowlan_troubleshoot/8_Site_Survey_RF_Design_Valid.html

QUESTION 59

DRAG DROP

Drag and drop the snippets onto the blanks within the code to construct a script that shows all logging that occurred on the appliance from Sunday until 9:00 p.m Thursday Not all options are used.

```
event manager applet Logging
event timer cron name Logging cron-entry " "
action 2.0 cli command "enable"
action " " cli command "show logging | " "
```

1.0 3.0 redirect
ftp://cisco:cisco@192.168.1.1

0 21 * * 0-4 0 21 * * 1-5 ftp://cisco:cisco@192.168.1.1

Correct Answer:

```
event manager applet Logging
event timer cron name Logging cron-entry " 0 21 * * 0-4 "
action 2.0 cli command "enable"
action 3.0 cli command "show logging | ftp://cisco:cisco@192.168.1.1 | " "
```

1.0 3.0 redirect
ftp://cisco:cisco@192.168.1.1

0 21 * * 0-4 0 21 * * 1-5 ftp://cisco:cisco@192.168.1.1

QUESTION 60

Refer to the exhibit. An engineer configures monitoring on SW1 and enters the show command to verify operation. What does the output confirm?

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```
SW1#sh monitor session all
Session 1
-----
Type                : Remote Destination Session
Source RSPAN VLAN   : 50

Session 2
-----
Type                : Local Session
Source Ports        :
Both                : Fa0/14
Destination Ports   : Fa0/15
Encapsulation       : Native
Ingress             : Disables
```

- A. SPAN session 1 monitors activity on VLAN 50 of a remote switch
- B. SPAN session 2 only monitors egress traffic exiting port FastEthernet 0/14.
- C. SPAN session 2 monitors all traffic entering and exiting port FastEthernet 0/15.
- D. RSPAN session 1 is incompletely configured for monitoring

Correct Answer: D

Explanation:

SW1 has been configured with the following commands:

```
SW1(config)#monitor session 1 source remote vlan 50
SW1(config)#monitor session 2 source interface fa0/14
SW1(config)#monitor session 2 destination interface fa0/15
```

The session 1 on SW1 was configured for Remote SPAN (RSPAN) while session 2 was configured for local SPAN. For RSPAN we need to configure the destination port to complete the configuration.

Note:

In fact we cannot create such a session like session 1 because if we only configure Source RSPAN VLAN 50 (with the command monitor session 1 source remote vlan 50) then we will receive a Type: Remote Source Session (not Remote Destination Session).

QUESTION 61

When configuration WPA2 Enterprise on a WLAN, which additional security component configuration is required?

- A. NTP server
- B. PKI server
- C. RADIUS server
- D. TACACS server

Correct Answer: C

QUESTION 62

Refer to the exhibit. The administrator troubleshoots an EtherChannel that keeps moving to err-disabled. Which two actions must be taken to resolve the issue? (Choose two.)

```
Cat3650# show logging
[ ... cut ... ]
*Sep 11 19:06:25.595: %PM-4-ERR_DISABLE: channel-misconfig error detected on Po1, putting Gi1/0/2
in err-disable state
*Sep 11 19:06:25.606: %PM-4-ERR_DISABLE: channel-misconfig error detected on Po1, putting Gi1/0/3
in err-disable state
*Sep 11 19:06:25.622: %PM-4-ERR_DISABLE: channel-misconfig error detected on Po1, putting Po1 in
err-disable state

Cat3650# show etherchannel summary
[ ... cut ... ]
Group Port-channel Protocol Ports
-----
1      Po1(SD)          -          Gi1/0/2(D) Gi1/0/3(D)

Cat3650# show interface status err-disabled
Port      Name      Status      Reason          Err-disabled Vlans
-----
Gi1/0/2          err-disabled channel-misconfig
Gi1/0/3          err-disabled channel-misconfig
Po1             err-disabled channel-misconfig
```

- A. Reload the switch to force EtherChannel renegotiation
- B. Ensure that interfaces Gi1/0/2 and Gi1/0/3 connect to the same neighboring switch.
- C. Ensure that the switchport parameters of Port channel1 match the parameters of the port channel on the neighbor switch
- D. Ensure that the corresponding port channel interface on the neighbor switch is named Port-channel1.
- E. Ensure that the neighbor interfaces of Gi1/0/2 and Gi/0/3 are configured as members of the same EtherChannel

Correct Answer: BE

Explanation:

Causes of Errdisable

This feature was first implemented in order to handle special collision situations in which the switch detected excessive or late collisions on a port. Excessive collisions occur when a frame is dropped because the switch encounters 16 collisions in a row. Late collisions occur after every device on the wire should have recognized that the wire was in use. Possible causes of these types of errors include:

- A cable that is out of specification (either too long, the wrong type, or defective)
- A bad network interface card (NIC) card (with physical problems or driver problems)
- A port duplex misconfiguration

A port duplex misconfiguration is a common cause of the errors because of failures to negotiate the speed and duplex properly between two directly connected devices (for example, a NIC that connects to a switch). Only half-duplex connections should ever have collisions in a LAN. Because of the carrier sense multiple access (CSMA) nature of Ethernet, collisions are normal for half duplex, as long as the collisions do not exceed a small percentage of traffic.

QUESTION 63

DRAG DROP

Drag and drop the threat defense solutions from the left onto their descriptions on the right.