

Exam Questions 400-351

CCIE Wireless Written Exam

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NEW QUESTION 1

Which four options are the HTTP methods supported by a reset API?

- A. RETRIEVE
- B. GET
- C. PUT
- D. DELETE
- E. COPY
- F. POST
- G. SET

Answer: BCDF

NEW QUESTION 2

Your customer has a Cisco Unified Wireless Network running AireOS 8.0 and wants to learn about the FlexConnect mode that is available on his APs. Which two statements are true? (Choose two.)

- A. A newly connected AP can be booted in FlexConnect mode.
- B. When an AP is changed from Local mode to FlexConnect mode, a reboot is required.
- C. Enhanced FlexConnect mode allows to enable wIPS on FlexConnect APs.
- D. When an AP is changed from Local mode to FlexConnect mode, reboot is not required.
- E. Using CCKM with FlexConnect APs requires the use of FlexConnect Groups.
- F. FlexConnect was previously know as "H-TEEP"

Answer: DE

Explanation:

http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_01000010.html [http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/emob73dg/emob73/ch7_HRE A.html](http://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/emob73dg/emob73/ch7_HRE_A.html)

NEW QUESTION 3

You are the wireless administrator for ACME corporation. You must configure a Cisco Catalyst 3850 Series Switch to work as mobility agent to allow access point association to this switch. Which statement about this scenario is true?

- A. Access points must be connected to an access port that has the access VLAN configured to be the same as the service port VLAN on the Catalyst 3850 switch. Access points must be connected to a trunk port with the native VLAN set to 1 in order to join the WLC on the Catalyst 3850 switch.
- B. Access points must be connected to an access port with the access VLAN configured to the same as the wireless management VLAN on the Catalyst 3850 switch.
- C. Access points must be connected to an access port that has the access VLAN configured to be the same as the management VLAN for the switch stack.
- D. Access points must be connected to an access port with the access VLAN configured to be any VLAN that has a Layer 3 interface (SVI) on the Catalyst 3850 switch.

Answer: C

Explanation:

<https://mrnciew.com/2013/09/29/getting-started-with-3850/>

2. **Wireless management vlan & AP management vlan should be identical.** If you configure vlan 21 as wireless management in 3850 switch all your APs connected to this switch should be on access vlan 21.

AP-----> WLC Connectivity

In order for Access Points to join the controller, the switchport configuration must be set as an access port in the

```
wireless management vlan:  
  
If using vlan 100 for wireless management interface:  
sw-3850-1(config)#interface gigabit1/0/10  
sw-3850-1(config-if)#switchport mode access  
sw-3850-1(config-if)#switchport access vlan 100
```

Wireless Pre-requisites

To enable wireless services, the 3850 must be running an `ipservices` or `ibase` license

Enable Wireless on the Switch

Note: The Access Points will need to be connected to access mode

switchports in the same VLAN!

- Enable Wireless Management

```
sw-3850-1(config)#wireless management interface vlan <1-4095>
```

- Define Mobility Controller

A Mobility Controller (MC) must be defined in order to allow Access Points to join

- a. If this 3850 will be the Mobility Controller

```
sw-3850-1(config)#wireless mobility controller
```

Note: This configuration change will require a reboot!

- b. If this 3850 will operate as a Mobility Agent (MA). Then please point it to the MC IP address using the following

command

```
sw-3850-1(config)#wireless mobility controller ip a.b.c.d
```

And on the MC:

```
3850MC(config)#wireless mobility controller peer-group <SPG1>
```

```
3850MC(config)#wireless mobility controller peer-group <SPG1> member ip w.x.y.z
```

License Verification

<https://supportforums.cisco.com/document/146996/getting-started-wlc-5760-and-3850>

NEW QUESTION 4

On a Cisco autonomous AP, the maximum number of attempts to send a packet (packet retries) is set to 32 by default. Which statement about the result when the AP has tried to send a packet for that number of attempts and no response is received from the client is true?

- A. The access point drops the packet.
- B. The client MAC address is excluded for 60 seconds.
- C. The access point resets the radio interface.
- D. The access point disassociates the client.

Answer: A

Explanation:

From:

Packet Retries & Max-Retries | mrn-cciew <https://mrncciew.com/2013/06/16/packet-retries-max-retries/>

In Autonomous (IOS) AP, you can configure number of attempts the wireless device makes to send a packet before giving up & dropping the packet. There are two ways of configuring this feature. One method for best effort (priority value 0) traffic & another method for non-best effort (priority value 1-7)

1. Best-effort Traffic (packet retries command)

2. Non-Best-effort Traffic (packet max-retries command) CLI default:

```
packet retries 32 drop-packet channel width 40-above channel dfs station-role root rts retries 32
cfg:
```

http://www.cisco.com/c/en/us/td/docs/wireless/access_point/15-3-3/configuration/guide/cg15-3-3/cg15-3-3-chap6-radio.html

Configuring the Maximum Data Packet Retries

The maximum data retries setting determines the number of attempts the makes to send a packet before giving up and dropping the packet. The default setting is 32. Beginning in privileged EXEC mode

NEW QUESTION 5

Refer to the exhibit.



You enabled NAT to make sure that your WLC is publicly reachable . if other NAT parameters are left to default1 which statement is true. ?

- A. The AP WLC discovery fails for APs int local mode using 209.165.200.44
- B. The AP WLC discover succeeds for OEAPsjoning the WLC using 192.168.3.44
- C. The AP WLC discover succeeds for OEAPsjoning the WLC using 192.168.3.44 or 209 165.200.44
- D. The AP WLC discover Fail for APs in local mode using 192.168.3.44

Answer: C

Explanation:

Section: 2.0 Network Infrastructure

NEW QUESTION 6

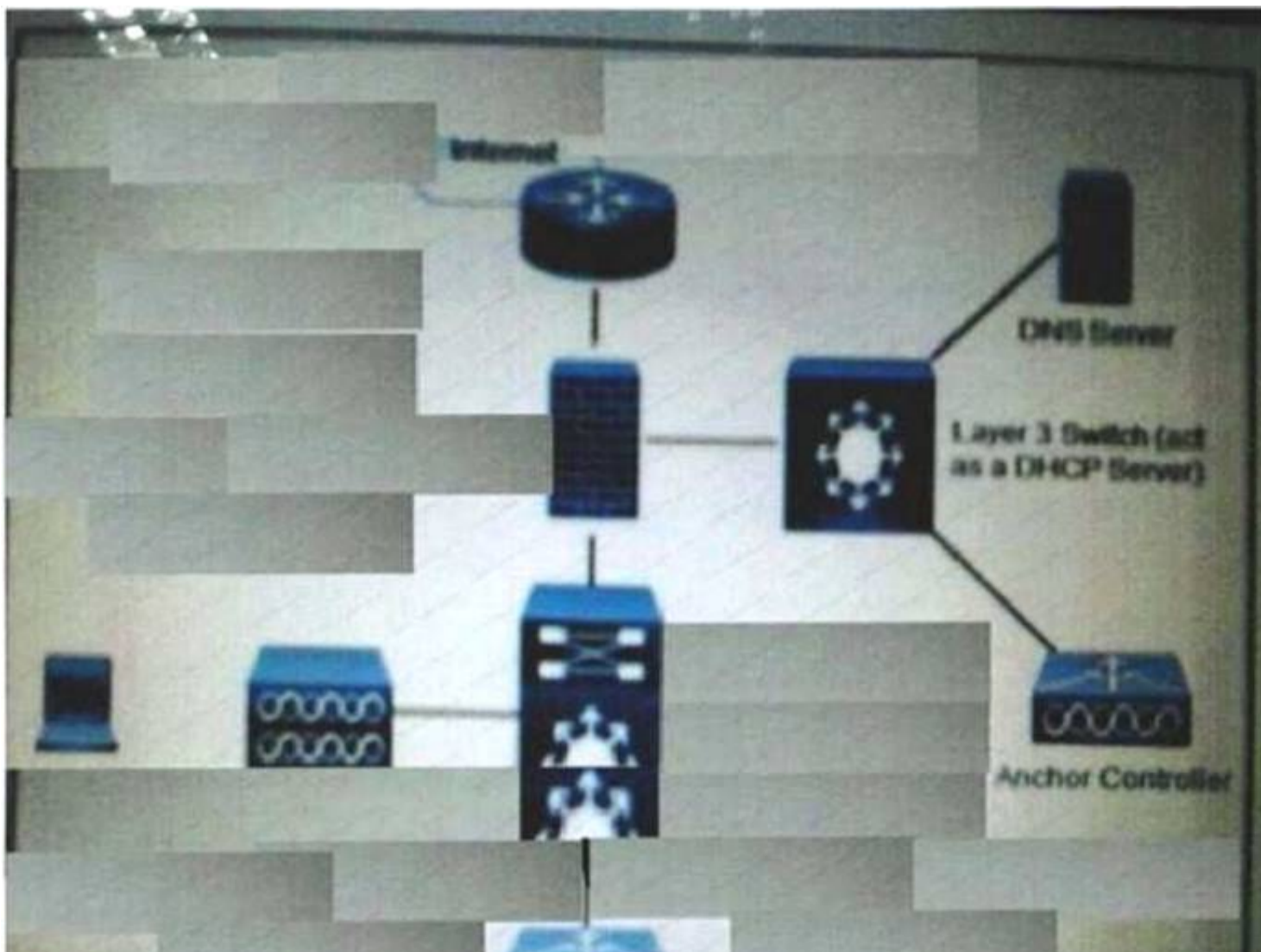
While troubleshooting a failed central web authentication configuration on cisco WLC you discover that the Cisco WLC policy manager state is showing RUN For new client and not CENTRAL_WEB_AUTH what is most likely the issue.?

- A. The WLAN Layer 2 security should be sent to WPA+WPA2
- B. The WLAN NAC state should be set to RADIUS NAC
- C. The web login page under the cisco WLC security should be set to external (redirect to external server)
- D. The WLAN layer 3 security should be set to web page policy with condition web redirec

Answer: B

NEW QUESTION 7

Refer to the exhibit.



```

Foreign Controller
Switch#debug ip dhcp server events
Switch#show debugging
*Mar 1 01:27:19.262: DHCPD: Sending notification of DISCOVER:
*Mar 1 01:27:19.262: DHCPD: htype 1 chaddr 7c7a.918b.a525
*Mar 1 01:27:19.262: DHCPD: remote id 000000000000
*Mar 1 01:27:19.262: DHCPD: circuit id 00000000
*Mar 1 01:27:19.262: DHCPD: giaddr = 192.168.141.32
*Mar 1 01:27:19.262: DHCPD: interface = Vlan141
*Mar 1 01:27:19.262: DHCPD: out_vlan_id 0
Switch#
*Mar 1 01:27:21.275: DHCPD: Allocated binding 60662E4
*Mar 1 01:27:21.275: DHCPD: Adding binding to radix tree (192.168.141.103)
*Mar 1 01:27:21.275: DHCPD: Adding binding to hash tree 60662E4
*Mar 1 01:27:21.275: DHCPD:dhcpd_binding_add_to_mac_hash: index- 114
*Mar 1 01:27:21.275: DHCPD: assigned IP address 192.168.141.103
(2209 0)
Switch#
*Mar 1 01:27:22.408: DHCPD: Sending notification of ASSIGNMENT:
*Mar 1 01:27:22.408: DHCPD: address 192.168.141.103 mask 255.255.255.0
*Mar 1 01:27:22.408: DHCPD: htype 1 chaddr 7c7a.918b.a525
*Mar 1 01:27:22.408: DHCPD: lease time remaining (secs) = 3600
  
```

Your colleague a junior network engineer is struggling to enable DHCP option 82 in the layer 3 switch which is in the DMZ for a mobile client under a guest anchor Cisco wireless LAN controller deployment . What is your answer.?

- A. DHCP proxy must be enabled for DHCP option 82 to operate correctly . All Cisco WLCsthat will be in the setup must have the same DHCP proxy setting.
- B. DHCP option 82 must be enabled on the dynamic interface with which theWLANis associated
- C. DHCP option 82 is not supported when it is used with auto-anchor mobility
- D. The mobility tunnel datapath control path or both between the anchor cisco WLC and foreign WLC are down.

Answer: C

NEW QUESTION 8

Which port does cisco JSE use by default to send RADIUS CoA messages to the Cisco WLC?

- A. UDP 3799
- B. UDP 1813
- C. UDP 1700
- D. TCP 1812

Answer: C

NEW QUESTION 9

In Cisco Wireless LAN Controller .the transmit power level of an AP radio is assigned an integer value inserted of a value in mW or dBm. Which two statements about the power level are true (Choose two)

- A. The integer corresponds to a power level that vanes depending on the regulatory domain in which the access points are deployed
- B. Each successive lower power level always represents 50% of the previous power level.
- C. Power Level 1 is always the minimum power level allowed per country code setting.
- D. There are always eight power levels for configuratio

Answer: AB

NEW QUESTION 10

DRAG DROP

Prime infrastructure allows you to change an alarm status, drag and drop the status on the left correct description on the right?

Acknowledge	Returns the alarm to its active alarm state on the Alarm Summary page and all alarms lists.
Unacknowledge	Alarm remain in the PI database. Done when the condition that caused the alarm no longer exists
Clear	Removes the alarm from the Alarm list and prevents the alarm from being counted as an active alarm on the Alarm summary page or any alarm list.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Ans :-

Acknowledge	3	Removes the alarm from the Alarm list and prevents the alarm from being counted as an active alarm on the Alarm summary page or any alarm list
Unacknowledge	1	Returns the alarm to its active alarm state on the Alarm Summary page and all alarms lists.
Clear	2	Alarm remain in the PI database. Done when the condition that caused the alarm no longer exists

NEW QUESTION 11

You are working on a deployment that uses two Cisco APs as wireless bridges. One of the bridges is configured as a root bridge and the second bridge is configured as a nonroot bridge. Client A associates to the root bridge and client B associates to the nonroot bridge. Which two statements about this scenario are true? (Choose two)

- A. The default setting of a bridge is nonroot bridge.
- B. For two bridges to communicate with each other, one of the bridges must be in root mode and the other bridge must be in nonroot mode.
- C. Only one device can connect to the Ethernet port of a nonroot bridge.
- D. Two bridges that are in root mode can talk to each other.
- E. In point-to-multipoint bridging, WGB is not recommended with the root bridge
- F. WGB must be associated to the root AP in point-to-multipoint bridging setup.

Answer: AE

Explanation:

<http://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/16041-bridgefaq.html>
<http://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/22950-br-ts-22950.html#reset>
http://www.cisco.com/c/en/us/td/docs/wireless/access_point/15-3-3/configuration/guide/cg15-3-3/cg15-3-3-chap6-radio.html

NEW QUESTION 12

DRAG DROP

Map the Cisco CleanAir AP modes of operation to their correct description.

Local Mode AP	A CleanAir AP in this mode only scans one channel of each band continuously.
Monitor Mode AP	All CleanAir system functionality is suspended while the AP is in this mode.
Spectrum Expert Connect mode	A CleanAir AP in this mode provides full-time scanning of all channels.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Local Mode AP

Spectrum Expert Connect mode

Monitor Mode AP

NEW QUESTION 13

Which of the following organizations certifies WLAN product compatibility and interoperability between vendors by providing certification testing?

- A. CCX
- B. ETSI
- C. FCC
- D. IEEE
- E. Wi-Fi Alliance

Answer: E

NEW QUESTION 14

Refer to the exhibit. A wireless engineer at ACME Company is troubleshooting a wireless client that is unable to associate to a WLAN. What is likely the cause of

the problem?

```
00:1b:77:42:07:69 Adding mobile on LWAPP AP 00:1c:b0:ea:5f:c0(0)
00:1b:77:42:07:69 Scheduling deletion of Mobile Station: (calledId: 24) in 5 seconds
00:1b:77:42:07:69 Association received from mobile on AP 00:1c:b0:ea:5f:c0
00:1b:77:42:07:69 STA - rates (8): 130 132 139 150 12 18 24 36 0 0 0 0 0 0
00:1b:77:42:07:69 STA - rates (12): 130 132 139 150 12 18 24 36 48 72 96 108 0 0 0 0
00:1b:77:42:07:69 Processing WPA IE type 221, length 24 for mobile 00:1b:77:42:07:69
00:1b:77:42:07:69 0.0.0.0 START (0) Change state to AUTHCHECK (2) last state AUTHCHECK (2)
00:1b:77:42:07:69 0.0.0.0 AUTHCHECK (2) Change state to 8021X_REQD (3) last state 8021X_REQD (3)
00:1b:77:42:07:69 apfPsmAddUser2 (apf_policy.c:209) Changing state for mobile 00:1b:77:42:07:69: on AP
00:1c:b0:ea:5f:c0 from Probe to Associated
00:1b:77:42:07:69 Stopping deletion of Mobile Station: (calledId: 48)
00:1b:77:42:07:69 Sending Assoc Response to station on BSSID 00:1c:b0:ea:5f:c0 (status 0)
00:1b:77:42:07:69 apfProcessAssocReq (apf_80211.c:9838) Changing state for mobile 00:1b:77:42:07:69 on AP
00:1c:b0:ea:5f:c0 from Associated to Associated
00:1b:77:42:07:69 Creating a new PMK Cache Entry for station 00:1b:77:42:07:69 (RSN 0)
00:1b:77:42:07:69 Initiating WPA PSK to mobile 00:1b:77:42:07:69
00:1b:77:42:07:69 dot1x - moving mobile
00:1b:77:42:07:69 into Force Auth state
00:1b:77:42:07:69 Skipping EAP-Success to mobile 00:1b:77:42:07:69
00:1b:77:42:07:69 Sending EAPOL-Key Message to mobile 00:1b:77:42:07:69
00:1b:77:42:07:69 Received EAPOL-KEY from mobile 00:1b:77:42:07:69
00:1b:77:42:07:69 Received EAPOL_key in PKT_START state (message 2) from mobile 00:1b:77:42:07:69
00:1b:77:42:07:69 Received EAPOL-key M2 with invalid MIC from mobile 00:1b:77:42:07:69
00:1b:77:42:07:69 802.1x 'timecutEvt' Timer expired for station 00:1b:77:42:07:69
00:1b:77:42:07:69 Sent Deauthenticate to mobile on BSSID 00:1c:b0:ea:5f:c0 slot 0(caller 1x_ptm.c:462)
00:1b:77:42:07:69 0.0.0.0 8021X_REQD (3) Change state to START (0) last state 8021X_REQD (3)
00:1b:77:42:07:69 0.0.0.0 START (0) Reached FAILURE: from line 3522
```

- A. The AP CAPWAP tunnel is down, and is unable to handle any new connections.
- B. The client is providing a wrong credential for dot1x authentication.
- C. The WPA PSKs do not match.
- D. The client uses WPA, but the AP is advertising only WPA2 support.
- E. A firewall is blocking the ports that are necessary for the AP to join the WL

Answer: B

NEW QUESTION 15

Which two statements about the various types of DevOps tools are true? (Choose two)

- A. Puppet requires the installation of a master (server) and agents (clients) architecture for configuring systems.
- B. Salt cannot communicate with clients through general SSH, it use minions client agents only.
- C. Puppet and Chef are written in Python, Python skills are a must to operate these two.
- D. Ansible does not require agent node installation and uses SSH for performing all tasks.
- E. Chef and Puppet are much more attuned to the needs of system administrator

Answer: CE

NEW QUESTION 16

Assuming that the antenna system characteristics (for example, gain VSWR, polarization and beam width) are similar for a 5-GHz and 2.4-GHz radio. While conducting a dual band site survey, how to configure the 5-GHz radio, relative to the 2.4-GHz radio, in order to achieve similar cell size?

- A. The 5-GHz radio power level should be higher than the 2.4-GHz radio
- B. The 5-GHz radio should use BPSK modulation and the 2.4 GHz radio should use CCK modulation
- C. The 5-GHz radio power level should be lower than the 2.4-GHz radio
- D. The 5-GHz radio should use CCK modulation and the 2.4-GHz radio should use BPSK modulation

Answer: A

NEW QUESTION 17

Refer to the exhibit.

```
Destination address: Broadcast (ff:ff:ff:ff:ff:ff)
Sequence number: 2577IEEE 802.11 wireless LAN management frame
...
  SSID parameter set: "wpa1"
    Tag Number: 0 (SSID parameter set)
    Tag length: 4
    Tag interpretation: wpa1
  Supported Rates: 1.0 2.0 5.5 11.0(B) 6.0 9.0 12.0 18.0
    Tag Number: 1 (Supported Rates)
    Tag length: 8
    Tag interpretation: Supported rates: 11.0(B) 6.0 9.0 12.0 18.0 [Mbit/sec]
...
  Vendor Specific: WPA
    Tag Number: 221 (Vendor Specific)
    Tag length: 28
    Tag interpretation: WPA IE, type 1, version 1
    Tag interpretation: Multicast cipher suite: TKIP
    Tag interpretation: # of unicast cipher suites: 2
    Tag interpretation: Unicast cipher suite 1: TKIP
    Tag interpretation: # of auth key management suites: 1
    Tag interpretation: auth key management suite 1: WPA
    Tag interpretation: Not interpreted
...

```

This output is an example of which 802.11 frame?

- A. beacon
- B. association
- C. probe request
- D. probe response

Answer: A

NEW QUESTION 18

A corporation has hired you to understand more about the Fastlane feature on the Cisco wireless LAN controller because the majority of the clients in their network are iOS and Mac OS devices Which statement do you mark as a correct explanation of this feature, on software version 8.3 or above?

- A. Enabling Fastlane on a SSID automatically creates a new EDCA profile named "Fastlane" which applies to the 5 GHz band only
- B. Enabling Fastlane on a SSID automatically creates a new AVC profile which ensures appropriate QoS marking for well-known applications such as Lync and WebEx
- C. Enabling Fastlane on a SSID automatically creates and applies a new AVC profile which ensures appropriate QoS marking for well-known applications such as Jabber and WebEx
- D. An EDCA profile must be manually set to Voice and Video optimized when the Fastlane feature is enabled on a SSID

Answer: A

NEW QUESTION 19

A corporation has hired you as a consultant to help them with a unique requirement of granting access to people based on their location They currently have Cisco MSE 8.0 version ISE 2.0 and Cisco Prime Infrastructure Which statement about the MSE and ISE integration is true?

- A. Authorization of users based on exact location is not possible However, specific authorization policies can be created based on the location of the authenticator
- B. ISE uses NMSP connection to the MSE to fetch the location information and create the location tree to be used in authorization rules.
- C. The wrong placement of APs within Cisco Prime Maps may result in unauthorized user access to resources.
- D. With ISE and MSE integration reauthorization of users cannot be done if the band-select feature is enabled
- E. Cisco MSE can be added to ISE as an authenticator and MSE sent RADIUS requests to the ISE server

Answer: B

NEW QUESTION 20

What are two general SDN characteristics? (Choose two.)

- A. Northbound interfaces are open interfaces used between the control plane and the data plane
- B. OpenFlow is considered one of the first Northbound APIs used by SDN controllers.
- C. OVSDB is an application database management protocol
- D. Southbound interfaces are interfaces used between the control plane and the data plane
- E. The separation of the control plane from the data plane

Answer: DE

NEW QUESTION 21

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