Cisco

Exam Questions 300-430

Implementing Cisco Enterprise Wireless Networks (ENWLSI)

NEW QUESTION 1
A wireless engineer must implement a corporate wireless network for a large company in the most efficient way possible. The wireless network must support 32 VLANs for 300 employees in different departments. Which solution must the engineer choose?

A. Configure a second WLC to support half of the APs in the deployment.
B. Configure one single SSID and implement Cisco ISE for VLAN assignment according to different user roles.
C. Configure different AP groups to support different VLANs, so that all of the WLANs can be broadcast on both radios.
D. Configure 16 WLANs to be broadcast on the 2.4-GHz band and 16 WLANs to be broadcast on the 5.0-GHz band.

Answer: B

NEW QUESTION 2
A corporation has recently implemented a BYOD policy at their HQ. Which two risks should the security director be concerned about? (Choose two.)

A. network analyzers
B. malware
C. lost and stolen devices
D. keyloggers
E. unauthorized users

Answer: BC

NEW QUESTION 3
Which two restrictions are in place with regards to configuring mDNS? (Choose two.)

A. mDNS uses only UDP port 5436 as a destination port.
B. mDNS cannot use UDP port 5353 as the destination port.
C. mDNS is not supported on FlexConnect APs with a locally switched WLAN.
D. Controller software must be newer than 7.0.6+.
E. mDNS is not supported over IPv6.

Answer: CD

NEW QUESTION 4
An engineer must use Cisco AVC on a Cisco WLC to prioritize Cisco IP cameras that use the wireless network. Which element do you configure in a rule?

A. permit-ACL
B. WMM required
C. mark
D. rate-limit

Answer: C

NEW QUESTION 5
Which command set configures a Cisco Catalyst 9800 Series Wireless Controller so that the client traffic enters the network at the AP switch port?
A.
```
config terminal
wireless profile policy [policy name]
local switching
end
```
B.
```
config terminal
wireless flexconnect policy [policy name]
local switching
end
```

A.
```
config terminal
wireless flexconnect policy [policy name]
no central switching
end
```
B.
```
config terminal
wireless profile policy [policy name]
no central switching
end
```

Answer: B

NEW QUESTION 6
Refer to the exhibit.

802.11a(5 GHz) > Media

Voice | Video | Media

Call Admission Control (CAC)

Admission Control (ACM)	☑ Enabled
CAC Method 4	Load Based ▼
Max RF Bandwidth (5-85) (%)	75
Reserved Roaming Bandwidth (0-25) (%)	6
Expedited bandwidth	☐
SIP CAC Support 3	☐ Enabled

Per-Call SIP Bandwidth 2

SIP Codec	G.711 ▼
SIP Bandwidth (kbps)	64
SIP Voice Sample Interval (msecs)	20 ▼

Which two items must be supported on the VoWLAN phones to take full advantage of this WLAN configuration? (Choose two.)

A. TSPEC
B. SIFS
C. 802.11e
D. WMM
E. APSD

Answer: CD

NEW QUESTION 7
A user is trying to connect to a wireless network that is configured for WPA2-Enterprise security using a corporate laptop. The CA certificate for the authentication server has been installed on the Trusted Root Certification Authorities store on the laptop. The user has been prompted to enter the credentials multiple times, but the authentication has not succeeded. What is causing the issue?

A. There is an IEEE invalid 802.1X authentication policy on the authentication server.
B. The user Active Directory account is locked out after several failed attempts.
C. There is an invalid 802.1X authentication policy on the authenticator.
D. The laptop has not received a valid IP address from the wireless controller.

Answer: C

NEW QUESTION 8
A new MSE with wIPS service has been installed and no alarm information appears to be reaching the MSE from controllers. Which protocol must be allowed to reach the MSE from the controllers?

A. SOAP/XML
B. NMSP
C. CAPWAP
D. SNMP

Answer: A

NEW QUESTION 9
An engineer completed the basic installation for two Cisco CMX servers and is in the process of configuring high availability, but it fails. Which two statements about the root of the issue are true? (Choose two.)

A. The Cisco CMX instances are installed in the same subnet.
B. The types of the primary and secondary Cisco CMX installations differ.
C. The delay between the primary and secondary instance is 200 ms.
D. The sizes of the primary and secondary Cisco CMX installations differ.
E. Both Cisco CMX installations are virtual.

Answer: BD

NEW QUESTION 10
An engineer must implement Cisco Identity-Based Networking Services at a remote site using ISE to dynamically assign groups of users to specific IP subnets. If the subnet assigned to a client is available at the remote site, then traffic must be offloaded locally, and subnets are unavailable at the remote site must be tunneled back to the WLC. Which feature meets these requirements?

A. learn client IP address
B. FlexConnect local authentication
C. VLAN-based central switching
D. central DHCP processing

Answer: C

NEW QUESTION 10
Which devices can be tracked with the Cisco Context Aware Services?

A. wired and wireless devices
B. wireless devices
C. wired devices
D. Cisco certified wireless devices

Answer: A

Explanation:
Reference: https://www.cisco.com/c/en/us/support/docs/wireless/context-aware-software/110836-cas-faq.html

NEW QUESTION 13
An engineer is performing a Cisco Hyperlocation accuracy test and executes the cmxloc start command on Cisco CMX. Which two parameters are relevant? (Choose two.)

A. X, Y real location
B. client description
C. AP name
D. client MAC address
E. WLC IP address

Answer: AD

NEW QUESTION 17
A network engineer observes a spike in controller CPU overhead and overall network utilization after multicast is enabled on a controller with 500 APs. Which feature connects the issue?

A. controller IGMP snooping
B. multicast AP multicast mode
C. broadcast forwarding
D. unicast AP multicast mode

Answer: B

NEW QUESTION 18
When using a Cisco Catalyst 9800 Series Wireless Controller, which statement about AutoQoS is true?

A. It has a set of predefined profiles that you cannot modify further
B. It matches traffic and assigns each matched packet to QoS groups
C. It automates deployment of wired QoS and makes wireless QoS implementation easier
D. It allows the output policy map to put specific QoS queues into specific subgroups

Answer: B

NEW QUESTION 20
What is the maximum time range that can be viewed on the Cisco DNA Center issues and alarms page?

A. 3 hours
B. 24 hours
C. 3 days
D. 7 days

Answer: B

NEW QUESTION 22
What is the default NMSP echo interval between Cisco MSE and a Wireless LAN Controller?

A. 10 seconds
B. 15 seconds
C. 30 seconds
D. 60 seconds

Answer: B

Explanation:
Reference: https://www.cisco.com/en/US/docs/wireless/mse/3350/6.0/CAS/configuration/guide/msecg_ch4_CAS.html

NEW QUESTION 24
An engineer configures a Cisco Aironet 600 Series OfficeExtend AP for a user who works remotely. What is configured on the Cisco WLC to allow the user to print a printer on his home network?

A. split tunneling
B. SE-connect
C. FlexConnect
D. AP failover priority

Answer: A

Explanation:
Reference: https://www.cisco.com/c/en/us/support/docs/wireless/aironet-602-officeextend-access-point/117540-configure-splittunneloeap-00.html

NEW QUESTION 25
Where is Cisco Hyperlocation enabled on a Cisco Catalyst 9800 Series Wireless Controller web interface?

A. Policy Profile
B. AP Join Profile
C. Flex Profile
D. RF Profile

Answer: B

Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/config-guide/b_wl_16_10_cg/cisco-hyperlocation.html

NEW QUESTION 29
A customer is experiencing performance issues with its wireless network and asks a wireless engineer to provide information about all sources of interference and their impacts to the wireless network over the past few days. Where can the requested information be accessed?

A. CleanAir reports on Cisco Prime Infrastructure
B. Performance reports on Cisco Prime Infrastructure
C. Interference Devices reports on Cisco Wireless LAN Controller
D. Air Quality reports on Cisco Wireless LAN Controller

Answer: A

NEW QUESTION 32
An engineer is following the proper upgrade path to upgrade a Cisco AireOS WLC from version 7.3 to 8.9. Which two ACLs for Cisco CWA must be configured when upgrading from the specified codes? (Choose two.)

A. Permit 0.0.0.0 0.0.0.0 UDP any any
B. Permit 0.0.0.0 0.0.0.0 any DNS any
C. Permit 0.0.0.0 0.0.0.0 UDP DNS any
D. Permit 0.0.0.0 0.0.0.0 UDP any DNS
E. Permit any any any

Answer: AD

NEW QUESTION 36
Refer to the exhibit.

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
2	0.003747	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
3	1.087479	10.48.39.214	10.48.71.21	UDP	130	9999 → 2003 Len=88
4	2.733577	10.48.39.214	10.48.71.21	UDP	130	9999 → 2003 Len=88
5	2.999859	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
6	3.001227	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
7	4.355249	10.48.39.214	10.48.71.21	UDP	146	9999 → 2003 Len=104
8	5.999538	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
9	6.000959	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
10	8.999418	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
11	9.000791	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
12	9.262904	10.48.39.214	10.48.71.21	UDP	146	9999 → 2003 Len=104
13	10.894785	10.48.39.214	10.48.71.21	UDP	130	9999 → 2003 Len=88
14	11.995126	10.48.39.251	10.48.71.21	UDP	194	9999 → 2003 Len=152
15	11.999193	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
16	14.994902	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
17	14.996368	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
18	17.994857	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
19	17.996231	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
20	18.102843	10.48.39.251	10.48.71.21	UDP	130	9999 → 2003 Len=88
21	21.098408	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
22	21.099952	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
23	24.098574	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
24	24.099804	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
25	27.098099	10.48.39.251	10.48.71.21	UDP	162	9999 → 2003 Len=120
26	27.099839	10.48.39.251	10.48.71.21	UDP	130	9999 → 2003 Len=88
27	28.880307	10.48.39.164	10.48.71.21	UDP	146	9999 → 2003 Len=104
28	28.881569	10.48.39.214	10.48.71.21	CAPP	146	CAPP MD5 Encrypted
29	30.094237	10.48.39.251	10.48.71.21	UDP	178	9999 → 2003 Len=136
30	30.097812	10.48.39.251	10.48.71.21	UDP	146	9999 → 2003 Len=104
31	30.513451	10.48.39.214	10.48.71.21	UDP	130	9999 → 2003 Len=88
32	30.515926	10.48.39.164	10.48.71.21	UDP	130	9999 → 2003 Len=88

> Frame 1: 162 bytes on wire (1296 bits), 162 bytes captured (1296 bits)
> Ethernet II, Src: CiscoInc_2a:c4:a3 (00:06:f6:2a:c4:a3), Dst: Vmware_99:4e:19 (00:50:56:99:4e:19)
> Internet Protocol Version 4, Src: 10.48.39.251, Dst: 10.48.71.21
> User Datagram Protocol, Src Port: 9999 (9999), Dst Port: 2003 (2003)
∨ Data (120 bytes)
    Data: ae 2f 44 f0 00 00 b4 5f ef 06 fd cb b7 6c 03 c7 ...
    [Length: 120]

The image shows a packet capture that was taken at the CLI of the Cisco CMX server. It shows UDP traffic from the WLC coming into the server. What does the capture prove?

A. The Cisco CMX server receives NetFlow data from the WLC.
B. The Cisco CMX server receives NMSP traffic from the WLC.
C. The Cisco CMX server receives SNMP traffic from the WLC.
D. The Cisco CMX server receives Angle-of-Arrival data from the WLC.

Answer: D

NEW QUESTION 40
An engineer is implementing Cisco Identity-Based Networking on a Cisco AireOS controller. The engineer has two ACLs on the controller. The first ACL, named BASE_ACL, is applied to the corporate_clients interface on the WLC, which is used for all corporate clients. The second ACL, named HR_ACL, is referenced by ISE in the Human Resources group policy. What is the resulting ACL when a Human Resources user connects?

A. HR_ACL appended with BASE_ACL
B. HR_ACL only
C. BASE_ACL appended with HR_ACL
D. BASE_ACL only

Answer: B

NEW QUESTION 43
Which three characteristics of a rogue AP pose a high security risk? (Choose three.)

A. open authentication
B. high RSSI
C. foreign SSID
D. accepts clients

E. low RSSI
F. distant location

Answer: ACD

NEW QUESTION 45
Refer to the exhibit. An engineer is creating an ACL to restrict some traffic to the WLC CPU. Which selection must be made from the direction drop-down list?

A. It must be Inbound because traffic goes to the WLC.
B. Packet direction has no significance; it is always Any.
C. It must be Outbound because it is traffic that is generated from the WLC.
D. To have the complete list of options, the CPU ACL must be created only by the CLI.

Answer: A

NEW QUESTION 48
Branch wireless users report that they can no longer access services from head office but can access services locally at the site. New wireless users can associate to the wireless while the WAN is down. Which three elements (Cisco FlexConnect state, operation mode, and authentication method) are seen in this scenario? (Choose three.)

A. authentication-local/switch-local
B. WPA2 personal
C. authentication-central/switch-central
D. lightweight mode
E. standalone mode
F. WEB authentication

Answer: ABE

NEW QUESTION 51
What is an important consideration when implementing a dual SSID design for BYOD?

A. After using the provisioning SSID, an ACL that used to make the client switch SSIDs forces the user to associate and traverse the network by MAC filtering.
B. If multiple WLCs are used, the WLAN IDs must be exact for the clients to be provisioned and traverse the network correctly.
C. SSIDs for this setup must be configured with NAC State-RADIUS NAC for the clients to authenticate with Cisco ISE, or with NAC State-ISE NAC for Cisco ISE to associate the client.
D. One SSID is for provisioning and the other SSID is for gaining access to the networ
E. The use of an ACL should not be enforced to make the client connect to the REAL SSID after provisioning.

Answer: D

NEW QUESTION 55
Which two protocols are used to communicate between the Cisco MSE and the Cisco Prime Infrastructure network management software? (Choose two.)

A. HTTPS
B. Telnet
C. SOAP
D. SSH
E. NMSP

Answer: AE

NEW QUESTION 60
Refer to the exhibit. A network administrator deploys the DHCP profiler service in two ISE servers: 10.3.10.101 and 10.3.10.102. All BYOD devices connecting to WLAN on VLAN63 have been incorrectly profiled and are assigned as unknown profiled endpoints. Which action efficiently rectifies the issue according to Cisco recommendations?

```
(Cisco WLC) >show dhcp proxy

DHCP ProxyBehaviour: enabled

!
interface Vlan63
  ip address 10.10.63.252/22
  description Dot1x_BYOD
  no shutdown
!
```

A. Nothing needed to be added on the Cisco WLC or VLAN interfac
B. The ISE configuration must be fixed.
C. Disable DHCP proxy on the Cisco WLC.
D. Disable DHCP proxy on the Cisco WLC and run the ip helper-address command under the VLAN interface to point to DHCP and the two ISE servers.
E. Keep DHCP proxy enabled on the Cisco WLC and define helper-address under the VLAN interface to point to the two ISE servers.

Answer: C

NEW QUESTION 61
Which statement about the VideoStream/Multicast Direct feature is true?

A. IP multicast traffic is reliable over WLAN by default as defined by the IEEE 802.11 wireless multicast delivery mechanism.
B. Each VideoStream client acknowledges receiving a video IP multicast stream.
C. It converts the unicast frame to a multicast frame over the air.
D. It makes the delivery of the IP multicast stream less reliable over the air, but reliable over Ethernet.

Answer: B

Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/configuration-guide/b_cg81/multicast_broadcast_setup.html

NEW QUESTION 63
Where is a Cisco OEAP enabled on a Cisco Catalyst 9800 Series Wireless Controller?

A. RF Profile
B. Flex Profile
C. Policy Profile
D. AP Join ProfileCorrect

Answer: B

Explanation:
Reference: https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/config-guide/b_wl_16_10_cg/flexconnect.html

NEW QUESTION 65
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