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NEW QUESTION: 1

An engineer is implementing RADIUS to restrict administrative control to the network with the WLC management IP address of 192.168.1.10 and an AP subnet of 192.168.2.0/24. Which entry does the engineer define in the RADIUS server?

- A. NAS entry of the virtual interface and the network range 192 168 2 0/255 255 255 0
- B. shared secret defined on the WLC and the network range 192 168 1 0/255 255 254.0
- C. administrative access defined on the WLC and the network range 192 168 2 0/255 255 254.0
- D. WLC roles for commands and the network range 192 168 1 0/255 255 255.0

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 2

What are two considerations when deploying a Cisco Hyperlocation? (Choose two.)

- A. The Cisco Hyperlocation feature must be enabled only on the wireless LAN controller.
- B. After enabling Cisco Hyperlocation on Cisco CMX, the APs and the wireless LAN controller must be restarted.
- C. If the Cisco CMX server is a VM, a high-end VM is needed for Cisco Hyperlocation deployments.
- D. NTP configuration is available, but not recommended.
- E. The Cisco Hyperlocation feature must be enabled on the wireless LAN controller and Cisco CMX.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

Which two statements about the requirements for a Cisco Hyperlocation deployment are true? (Choose two.)

- A. After enabling Cisco Hyperlocation on Cisco CMX, the APs and the wireless LAN controller must be restarted.
- B. NTP can be configured, but that is not recommended.
- C. The Cisco Hyperlocation feature must be enabled on the wireless LAN controller and Cisco CMX.
- D. The Cisco Hyperlocation feature must be enabled only on the wireless LAN controller.
- E. If the Cisco CMX server is a VM, a high-end VM is needed for Cisco Hyperlocation deployments.

Answer: C,E ([LEAVE A REPLY](#))

Explanation

The major steps involved in setting up a Hyperlocation system are:

1. Assemble the APs and mount them to the ceiling, recording the exact X, Y, height, and orientation of the devices.
2. Install Cisco WLC and connect the APs to Cisco WLC.
3. Enable the functions that are required, including Hyperlocation, in Cisco WLC.
4. Import Cisco WLC into Cisco PI.
5. Place the AP on the map in Cisco PI.
6. Save and export the map from Cisco PI to a local storage point.
7. Install Cisco CMX.
8. Configure and enable Hyperlocation.
9. Import the map from the local storage point.
10. Verify that the system is showing the clients correctly on the map and that the APs are placed and oriented correctly.
11. Complete Location Accuracy testing of static clients to determine the level of accuracy obtained.

<https://www.cisco.com/c/en/us/products/collateral/wireless/mobility-services-engine/datasheet-c78-734648.html>

NEW QUESTION: 4

A customer wants to allow employees to easily onboard their personal devices to the wireless network. The visitors also must be able to connect to the same network without the need to engage with anyone from the reception desk. Which process must be configured on Cisco ISE to support this requirement?

- A. MAC authentication bypass
- B. native supplicant provisioning
- C. local web auth
- D. self-registration guest portal

Answer: (SHOW ANSWER)

Explanation

<https://www.cisco.com/c/en/us/support/docs/security/identity-services-engine/216330-ise-self-registered-guest-p>

NEW QUESTION: 5

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: C,E (LEAVE A REPLY)

Restrictions for Configuring Multicast DNS

- mDNS over IPv6 is not supported.
- mDNS snooping is not supported on access points in FlexConnect mode in a locally switched WLAN and mesh access points. Multicast traffic including mDNS is simply bridged between the local VLAN and the SSID.
- mDNS is not supported on remote LANs.

NEW QUESTION: 6

What must be configured on the Global Configuration page of the WLC for an access point to use 802.1x to authenticate to the wired infrastructure?

- A. supplicant credentials

- B. TACACS server IP address.
- C. RADIUS shared secret
- D. local access point credentials

Answer: (SHOW ANSWER)



<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-fixed/107946-LAP-802-1x.html>

NEW QUESTION: 7

A network engineer is configuring a Cisco AireOS 8.2 WLC, Cisco MSE, and Cisco PI with Cisco 3700 Series APs and Cisco Hyperlocation modules. The engineer configures and enables a WLAN with Hyperlocation. During testing, the engineer notices that location accuracy is poor. Which action resolves the issue?

- A. Enable DCA in the Global Configuration settings of the WLC.
- B. Install WLC software that supports the Hyperlocation module.
- C. Use the same NTP server for syncing the time on the WLC, MSE, and PI.
- D. Open SNMP port 161 and NMSP port 16113 on the controller.

Answer: (SHOW ANSWER)

https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/8-2/b_hyperLocation_best_practices_and_troubleshooting_guide.html

NEW QUESTION: 8

Which two statements about the requirements for a Cisco Hyperlocation deployment are true? (Choose two.)

- A. The Cisco Hyperlocation feature must be enabled on the wireless LAN controller and Cisco CMX.
- B. NTP can be configured, but that is not recommended.
- C. After enabling Cisco Hyperlocation on Cisco CMX, the APs and the wireless LAN controller must be restarted.
- D. If the Cisco CMX server is a VM, a high-end VM is needed for Cisco Hyperlocation deployments.
- E. The Cisco Hyperlocation feature must be enabled only on the wireless LAN controller.

Answer: A,D (LEAVE A REPLY)

<https://www.cisco.com/c/en/us/products/collateral/wireless/mobility-services-engine/datasheet-c78-734648.html>

NEW QUESTION: 9

An engineer must configure a Cisco WLC to support Cisco Aironet 600 Series OfficeExtend APs. Which two Layer 2 security options are supported in this environment? (Choose two.)

- A. Static WEP + 802.1X
- B. WPA+WPA2
- C. Static WEP
- D. CKIP
- E. 802.1X

Answer: B,C (LEAVE A REPLY)

For Layer 2 Security, the following options are supported for the 600 Series OfficeExtend Access Point:

- None
- WPA+WPA2
- Static WEP
- 802.1X (only for remote LANs)

NEW QUESTION: 10

Refer to the exhibit. What is the reason that the wireless client cannot get the RUN state?

General	Session	Security	Mobility
User Name: Unknown	SSID: Test	802.11 Authentication: Open System	Mobility Status: Local
MAC Address: 40:83:1d:33:6a:d6	Protocol: 802.11ac	Security Policy Type: WPA2	Mobility Controller: Data Not Available
IP Address: 10.88.255.137	802.11 State: Associated	EAP Type: Unknown	Anchor Mobility Controller: Data Not Available
Vendor: Unknown	Management VLAN ID: 252	Policy (Link Layer): DHCP_REQD	Anchor Controller: N/A
Endpoint Type: none	Interface: management	On Network: No	Mobility Oracle: Data Not Available
Hostname: Data Not Available	Location: Root/ASA	Radius NAC State: DHCP_REQD	Mobility Group: Data Not Available
Client Type: Regular	Controller Name: WLCL_CX	Encryption Cipher: CCMP (AES)	Switch Peer Group: Data Not Available
Media Type: Lightweight	Controller IP Address: 10.88.255.137	Reason Code: Unspecified	Anchor Switch Peer Group: Data Not Available
EZE: Not Supported	AP Name: AP3702e	SNMP NAC State: Access	
802.11u Capable: false	AP IP Address: 10.99.22.178	AAA Override ACL Name:	
Power Save: OFF	AP Type: Cisco AP	AAA Override ACL Applied Status: N/A	
CCX: Not Supported	AP Base Radio MAC: 80e01c1c9780	Redirect URL:	
Local Policy Name: none	Association ID: 1	ACL Name:	
Policy AAA Role: none	Port: B	ACL Applied Status: N/A	
	Private Name: Test	FlexConnect Local Authentication: No	
	Data Switching: Central	Authenticating ISE: Data Not Available	

- A. It is not getting the IP address.
- B. An authentication error has occurred.
- C. Because of central switching, the AP must reach the Cisco ISE directly.
- D. It has no communication with Cisco ISE.

Answer: (SHOW ANSWER)

NEW QUESTION: 11

An engineer needs to configure an autonomous AP for 802.1x authentication. To achieve the highest security an authentication server is used for user authentication. During testing, the AP fails to pass the user authentication request to the authentication server. Which two details need to be configured on the AP to allow communication between the server and the AP? (Choose two.)

- A. Shared secret
- B. Group name

- C. PAC encryption key
- D. Username and password
- E. RADIUS IP address

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

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 ([LEAVE A REPLY](#))

Explanation

<https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-5/Enterprise-Mobility-8-5-Design-Guide/Enterprise>

NEW QUESTION: 13

An engineer must implement a BYDD policy with these requirements:

- Onboarding unknown machines
- Easily scalable
- Low overhead on the wireless network

Which method satisfies these requirements?

- A. triple SSID
- B. open SSID
- C. dual SSID
- D. single SSID

Answer: D ([LEAVE A REPLY](#))

https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Borderless_Networks/Unified_Access/BYOD_Design_Guide/BYOD_Wireless.html

NEW QUESTION: 14

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`
- C. `config terminal`
`wireless flexconnect policy [policy name]`
`no central switching`
`end`
- D. `config terminal`
`wireless profile policy [policy name]`
`no central switching`
`end`

- A. Option A
- B. Option C
- C. Option B
- D. Option D

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 15

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: **D** [\(LEAVE A REPLY\)](#)

Explanation

Table 1. Global Issues Window

Item	Description
24 Hours drop-down list	<p>Allows you to display information on the window based on the time range you select. Default is 24 Hours. Do the following:</p> <ol style="list-style-type: none"> a. From the 24 Hours drop-down list, choose a time range: 3 hours, 24 hours, or 7 days. b. Specify the Start Date and time; and the End Date and time. c. Click Apply. <p>This sets the range of the timeline.</p>

(7 Days is the max, you can select)

<https://www.cisco.com/c/en/us/td/docs/cloud-systems-management/network-automation-and-management/dna-c>

NEW QUESTION: 16

During the EAP process and specifically related to the client authentication session, which encrypted key is sent from the RADIUS server to the access point?

- A. shared-secret key

- B. WPA key
- C. session key
- D. encryption key

Answer: C (LEAVE A REPLY)

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NEW QUESTION: 17

A customer has a distributed wireless deployment model where the WLCs are located in the data centers. Because the file servers are located in the data center, the traffic from the corporate WLAN "Corp-401266017" must go through the controllers, where the guest WLAN "Guest-19283746" traffic must use the local Internet line installed in each office. Which configuration will accomplish this task?

- A. Enable Local Switching for the corporate and guest WLAN.
- B. Disable Local Switching for the corporate and guest WLAN.
- C. Enable Local Switching for the corporate WLAN and disable it for the guest WLAN.
- D. Disable Local Switching for the corporate WLAN and enable it for the guest WLAN.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 18

A wireless engineer must configure IEEE 802.1X authentication on a WLAN that supports new and legacy wireless devices. Which condition must be met for the legacy clients to be able to associate and authenticate without issues?

- A. The client and the authenticator must support the same authentication protocol.
- B. The authenticator and the authentication server must support the same authentication protocol.
- C. The client and the authentication server must support the same authentication protocol.
- D. The client and the controller must support the same authentication protocol.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 19

An engineer is implementing a FlexConnect group for access points at a remote location using local switching but central DHCP. Which client feature becomes available only if this configuration is changed?

- A. multicast
- B. static IP
- C. fast roaming
- D. mDNS

Answer: C (LEAVE A REPLY)

Explanation

- If the three attempts fail, the access point will fall back to the static IP and will reboot (only if the access point is configured with a static IP).

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-7/config-guide/b_cg87/flexconnect.html

NEW QUESTION: 20

A customer reports that wireless clients are not able to receive multicast data from known working multicast servers on the wired network. The client is connecting at the highest mandatory wireless rate of 24 Mbps and the wireless controller is configured for multicast-unicast mode. What three actions should the engineer take next to troubleshoot the issue? (Choose three.)

- A. verify Multicast Listener Discovery (MLD) v1 snooping has been enabled to keep track of and deliver IPv4 multicast flows
- B. change the wireless controller from Multicast-Unicast mode to Multicast-Multicast mode and assign a multicast address in the 239.X.X.X/8 subnet
- C. verify that Global Multicast mode has been enabled
- D. verify that IGMP snooping is disabled on the wireless controller since the access points are handling IGMP messages from the clients
- E. verify that the L3 interfaces are configured for pim sparse-dense-mode on the VLAN servicing the wireless access points as well as the wireless controller's management VLAN
- F. make sure the highest mandatory rate is set to 54 Mbps so that the multicast traffic has sufficient bandwidth

Answer: B,C,E (LEAVE A REPLY)

NEW QUESTION: 21

A network engineer is deploying 8865 IP phones with wireless clients connected to them. In order to apply the appropriate QoS, the IP voice traffic needs to be distinguished from client data traffic. Which switch configuration feature must be enabled?

- A. QBSS
- B. QoS routing
- C. Voice VLAN
- D. WME

Answer: C (LEAVE A REPLY)

NEW QUESTION: 22

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: (SHOW ANSWER)

Cisco WLAN solution addresses that limitation by support of identity networking. That allows the network to advertise a single SSID, but allows specific users to inherit different QoS, VLAN attributes and/or security policies based on the user credential.

Dynamic VLAN assignment is one such feature that places a wireless user into a specific VLAN based on the credentials supplied by the user. This task of assigning users to a specific VLAN is handled by a RADIUS authentication server, such as Cisco ISE. This can be used, for example, to allow the wireless host to remain on the same VLAN as it moves within a campus network.

NEW QUESTION: 23

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: (SHOW ANSWER)

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

NEW QUESTION: 24

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: D (LEAVE A REPLY)

Explanation

Note: The question is about the reason behind CPU hike, it is not asking the solution for the issue

<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/81671-multicast-wlc-lap.html>

NEW QUESTION: 25

The CTO of an organization wants to ensure that all Android devices are placed into a separate VLAN on their wireless network. However, the CTO does not want to deploy ISE. Which feature must be implemented on the Cisco WLC?

- A. RADIUS server overwrite interface
- B. AAA override
- C. WLAN local policy
- D. custom AVC profile

Answer: C (LEAVE A REPLY)

<https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/7-5/NativeProfiling75.html>

NEW QUESTION: 26

Which customizable security report on Cisco Prime Infrastructure will show rogue APs detected since a point in time?

- A. Rogue APs Events
- B. Network Summary
- C. New Rogue APs
- D. Rogue APs Count Summary

Answer: (SHOW ANSWER)

NEW QUESTION: 27

An enterprise has two WLANs configured on WLC. It is reported that when converting APs to FlexConnect mode. WLAN A works but WLAN B does not. When converting APs to local mode. WLAN B works, but WLAN A does not. Which action is needed to complete this configuration?

- A. Join the APs to a Cisco FlexConnect group.
- B. Map the AP group to the WLAN interface.
- C. Disable local switching on the WLANs.
- D. Create a Cisco FlexConnect group with WLAN-VLAN mapping.

Answer: D (LEAVE A REPLY)

FlexConnect Groups and VLAN Support

You can configure VLAN Support and VLAN ID on a per FlexConnect group basis. This allows all APs in a FlexConnect group to inherit the VLAN configuration from the FlexConnect group including VLAN support, Native VLAN, and WLAN-VLAN mappings.

NEW QUESTION: 28

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 (LEAVE A REPLY)

Explanation

Procedure

Step 1 In the **Configuration > Tags & Profiles > AP Join** page, click **Add**.
The **Add AP Join Profile** dialog box appears.

Step 2 Under the **AP > Hyperlocation** tab, select the **Enable Hyperlocation** check box.

https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/config-guide/b_wl_16_10_cg/cisco-hyperlocatio

NEW QUESTION: 29

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: Ciscollc_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)
v Data (120 bytes)
  Data: ae 2f 44 f0 00 00 b4 5f ef 06 fd cb b7 6c 03 c7 ...
  [Length: 120]

```

Refer to the exhibit. 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 SNMP traffic from the WLC.
- B. The Cisco CMX server receives NMSF traffic from the WLC.
- C. The Cisco CMX server receives NetFlow data from the WLC.
- D. The Cisco CMX server receives Angle-of-Arrival data from the WLC.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 30

Which two events are outcomes of a successful RF jamming attack? (Choose two.)

- A. deauthentication multicast
- B. deauthentication broadcast
- C. unauthentication association
- D. physical damage to AP hardware
- E. disruption of WLAN services

Answer: D,E (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/wireless/mse/3350/72/wIPS_Configuration/Guide/wIPS_72/msecg_appA_wIPS.html#wp1345929

NEW QUESTION: 31

What must be configured on ISE version 2.1 BYOD when using Single SSID?

- A. no authentication
- B. WPA2
- C. open authentication
- D. 802.1x

Answer: D (LEAVE A REPLY)

Explanation

As its name signifies there is only one SSID used for the onboarding, which is secured by 802.1X. I

While ISE supports various EAP types for 802.1X authentication, with ISE BYOD, there are three EAP Types that can be used; EAP-TLS, EAP-PEAP-MSCHAPv2, and EAP-FAST. With EAP-TLS ISE identifies itself by providing EAP Identity

<https://ciscocustomer.lookbookhq.com/iseguidedjourney/BYOD-configuration>

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NEW QUESTION: 32

Which configured is applied to prevent the network from a Layer 2 flooding of multicast frames with a seamless transfer of multicast data to the client when roaming from one controller to another?

- A. Enable IGMPv3 on the central Layer 3 switch.
- B. Enable multicast mode on the WLC
- C. Create multicast groups on the central Layer 3 switch.
- D. Enable IGMP snooping on the WLC

Answer: D (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_01011.html

NEW QUESTION: 33

Refer to the exhibit. An administrator notices slower location updates from the controller to Cisco CMX. Which command must be configured to get an update every 5 seconds for rogues?

```
(Cisco Controller) >show nmosp notification interval
NMSP Notification Interval Summary
RSSI Interval:
Client..... 20 sec
RFID..... 20 sec
Rogue AP..... 20 sec
Rogue Client..... 20 sec

Spectrum Interval:
Interferer device..... 20 sec

(Cisco Controller) >
```

- A. config cmx notification interval rssi rogues 5
- B. config subscription notification interval rssi rogues 5
- C. config location notification interval rssi rogues 5
- D. config nmosp notification interval rssi rogues 5

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 34

When configuring a Cisco WLC, which CLI command adds a VLAN with VLAN ID of 30 to a FlexConnect group named BranchA-FCG?

- A. config flexconnect group BranchA-FCG vlan add 30
- B. config flexconnect BranchA-FCG vlan add 30
- C. config flexconnect BranchA-FCG vlan 30 add
- D. config flexconnect group BranchA-FCG vlan 30 add

Answer: **A** [\(LEAVE A REPLY\)](#)

To configure VLAN for a FlexConnect group, use the **config flexconnect group vlan** command.

```
config flexconnect group group_name vlan {add vlan-id acl in-aclname out-aclname | delete vlan-id}
```

NEW QUESTION: 35

An IT team is growing quickly and needs a solution for management device access. The solution must authenticate users from an external repository instead of the current local on the WLC, and it must also identify the user and determine what level of access users should have. Which protocol do you recommend to achieve these goals?

- A. TACACS+
- B. RADIUS
- C. network policy server
- D. LDAP

Answer: **A** [\(LEAVE A REPLY\)](#)

https://www.cisco.com/c/en/us/td/docs/switches/lan/Denali_161/ConfigExamples_Technotes/Techzone_Articles/Example_and_Technotes_Denali_16_1_1/Example_and_Technotes_Denali_16_1_1_chapter_010110.pdf

<https://community.cisco.com/t5/wireless-mobility-documents/wlc-and-acis-5-x-tacacs-configuration-example-web-authentication/ta-p/3120681>

NEW QUESTION: 36

An engineer completes the setup of a wo-node Cisco ISE deployment for a guest portal. When testing the portal, the engineer notices that sometimes there is a certificate CN mismatch. Which certificate type helps resolve this issue?

- A. Public-Signed SAN
- B. Public-Signed Root
- C. Self-Signed Wildcard
- D. Self-Signed Standard

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 37

A Cisco CMX 3375 appliance on the 10.6.1 version code counts duplicate client entries, which creates wrong location analytics. The issue is primarily from iOS clients with the private MAC address feature enabled. Enabling this feature requires an upgrade of the Cisco CMX 3375 appliance in a high availability pair to version 10.6.3. SCP transfers the Cisco CMX image, but the upgrade script run fails. Which configuration change resolves this issue?

- A. Upgrade the high availability pair to version 10.6.2 image first and then upgrade to version 10.6.3.
- B. Save configuration and use the upgrade script to upgrade the high availability pair without breaking the high availability.
- C. Break the high availability using the cmxha config disable command and upgrade the primary and secondary individually.
- D. Run root patch to first upgrade to version 10.6.2 and then migrate to version 10.6.3.

Answer: C ([LEAVE A REPLY](#))

Explanation

<https://www.cisco.com/c/en/us/support/docs/availability/high-availability/213664-configure-cmx-high-availabili>

NEW QUESTION: 38

All APs are receiving multicast traffic, instead of only the APs that need it. What is the cause of this problem?

- A. The multicast group includes all APs
- B. The wrong multicast address was used
- C. The multicast group is assigned the wrong VLAN
- D. Multicast IGMP snooping is not enabled

Answer: D ([LEAVE A REPLY](#))

Explanation

https://www.cisco.com/c/en/us/td/docs/wireless/controller/74/configuration/guides/consolidated/b_cg74_CONSO

NEW QUESTION: 39

An engineer wants the wireless voice traffic class of service to be used to determine the queue order for packets received, and then have the differentiated services code point set to match when it is resent to another port on the switch. Which configuration is required in the network?

- A. Platinum QoS configured on the WLAN
- B. WMM set to required on the WLAN
- C. msl qos trust cos configured on the controller switch port
- D. msl qos trust dscp configured on the controller switch port

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 40

A shopping center uses AireOS controllers with Cisco Wave 2 APs. A separate WLAN named Guest-012345678-WLAN is used for guest wireless clients. Management needs location analytics to determine popular areas. CMX must track only associated clients. What must be selected on the CMX server settings?

- A. Exclude probing clients
- B. Duty Cycle Cutoff
- C. Enable Locally Administered MAC Filtering
- D. Enable Location MAC Filtering

Answer: (SHOW ANSWER)

Reference:

the_cisco_cmx_detect_and_locate_service.html#id_123333

NEW QUESTION: 41

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 16 WLANs to be broadcast on the 2.4-GHz band and 16 WLANs to be broadcast on the 5.0-GHz band.
- D. Configure different AP groups to support different VLANs, so that all of the WLANs can be broadcast on both radios.

Answer: (SHOW ANSWER)

Cisco WLAN solution addresses that limitation by support of identity networking. That allows the network to advertise a single SSID, but allows specific users to inherit different QoS, VLAN attributes and/or security policies based on the user credential.

Dynamic VLAN assignment is one such feature that places a wireless user into a specific VLAN based on the credentials supplied by the user. This task of assigning users to a specific VLAN is handled by a RADIUS authentication server, such as Cisco ISE. This can be used, for example, to allow the wireless host to remain on the same VLAN as it moves within a campus network.

NEW QUESTION: 42

Refer to the exhibit. An engineer is configuring a Cisco wireless LAN controller and needs wireless multicast to use the 54Mbps rates. Which action meets this requirement?

Data Rates**

1 Mbps	Disabled ▼
2 Mbps	Disabled ▼
5.5 Mbps	Disabled ▼
6 Mbps	Supported ▼
9 Mbps	Mandatory ▼
11 Mbps	Disabled ▼
12 Mbps	Mandatory ▼
18 Mbps	Supported ▼
24 Mbps	Mandatory ▼
36 Mbps	Supported ▼
48 Mbps	Supported ▼
54 Mbps	Supported ▼

- A. Change the 24 Mbps to Supported.
- B. Set all data rates below 54 Mbps to Supported.
- C. Change the 54 Mbps to Mandatory.
- D. Set all data rates below 54 Mbps to Disable.

Answer: ([SHOW ANSWER](#))

<https://community.cisco.com/t5/wireless/wlc-settings-for-high-performance-cells/td-p/2298996#:~:text=The%20highest%20mandatory%20rate%20is,of%2018%20or%2024%20Mbps>

NEW QUESTION: 43

An engineer manages the wireless network for a government agency. The wireless network is used for access to the corporate network. The wireless network must include the latest wIPS/wIDS detection definitions.

Which action does the engineer take to ensure that this requirement is met?

- A. Configure the Cisco WLC to repoll the Cisco MSE for update definitions.
- B. Configure Cisco Prime Infrastructure to push new definitions to the APs.
- C. Update the Cisco WLC software.
- D. Update the Cisco MSE software.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

An engineer deploys APs in autonomous mode to provide corporate and guest access in several retail locations. Remote authentication with IEEE 802.1X is configured to ensure a secure wireless connection for corporate users. Which component must be configured as the authenticator?

- A. APs
- B. authentication server
- C. supplicant
- D. RADIUS server

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 45

An engineer wants to configure WebEx to adjust the precedence and override the QoS profile on the WLAN. Which configuration is needed to complete this task?

- A. Change the WLAN reserved bandwidth for WebEx
- B. Create an AVC profile for WebEx
- C. Create an ACL for WebEx
- D. Change the AVC application WebEx-app-sharing to mark

Answer: (SHOW ANSWER)

Explanation



https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/7-5/AVC_dg7point5.html

NEW QUESTION: 46

A WLC must be configured to allow multiple mDNS profiles based on a user authentication profile configured in Cisco ISE. Which WLAN setting must be configured?

- A. mDNS Snooping
- B. service advertisement
- C. mDNS policy
- D. AAA Override

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 47

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

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

Answer: A (LEAVE A REPLY)

NEW QUESTION: 48

A network engineer is implementing a wireless network and is considering deploying a single SSID for device onboarding.

Which option is a benefit of using dual SSIDs with a captive portal on the onboard SSID compared to a single SSID solution?

- A. limit of a single device per user
- B. restrict allowed devices types
- C. allow multiple devices per user
- D. minimize client configuration errors

Answer: D (LEAVE A REPLY)

<https://ciscocustomer.lookbookhq.com/iseguidedjourney/byod-configuration>

<https://community.arubanetworks.com/community-home/digestviewer/viewthread?MID=47256>

NEW QUESTION: 49

A company has a single WLAN configured for 802.1x authentication with the QoS set to Silver. This WLAN supports all corporate and BYOD access. A decision has been made to allow users to install Cisco Jabber on their personal mobile devices. Users report poor voice quality when using Jabber. QoS is being applied only as best effort. What must be configured to ensure that the WLAN remains on the Silver class and to ensure Platinum class for Jabber?

- A. Configure an AVC profile for the Jabber traffic and apply it to the WLAN.
- B. Configure the WLAN to broadcast on 5 GHz radios only and allow Jabber users to conned.
- C. Enable Cisco Centralized Key Management on the WLAN so that the Jabber-enabled devices will connect.
- D. Configure QoS on the mobile devices that have Jabber installed.

Answer: A (LEAVE A REPLY)

Explanation

When Jabber traffic reaches the wireless controller, the controller performs deep packet inspection to recognize the flow. If the flow is recognized as an application part of the AVC profile, the traffic is marked according to the AVC policy. For example, in situations where a wireless client sends unmarked Jabber traffic, this traffic upon reaching the WLAN Controller would get

https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/81/Jabber_in_WLAN/b_Jabber_in_WLAN.

NEW QUESTION: 50

When implementing self-registration for guest/BYOD devices, what happens when an employee tries to connect four devices to the network at the same time?

- A. Purge time dictates how long a device is registered to the portal.
- B. The last device is removed and the newly added device is updated as active device.
- C. The registration is allowed, but only one device is connected at any given time.
- D. All devices are allowed on the network simultaneously.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 51

A customer has a distributed wireless deployment model where the WLCs are located in the data centers. Because the file servers are located in the data center, the traffic from the corporate WLAN "Corp-401266017" must go through the controllers, where the guest WLAN "Guest-19283746" traffic must use the local Internet line installed in each office. Which configuration will accomplish this task?

- A. Disable Local Switching for the corporate and guest WLAN.
- B. Disable Local Switching for the corporate WLAN and enable it for the guest WLAN.
- C. Enable Local Switching for the corporate and guest WLAN.
- D. Enable Local Switching for the corporate WLAN and disable it for the guest WLAN.

Answer: B (LEAVE A REPLY)

B seems to meet the state requirement of sending Corp traffic to the data centers via the WLC and allowing guest traffic to traverse to the internet locally.

NEW QUESTION: 52

A Cisco CMX 3375 appliance on the 10.6.1 version code counts duplicate client entries, which creates wrong location analytics. The issue is primarily from iOS clients with the private MAC address feature enabled. Enabling this feature requires an upgrade of the Cisco CMX 3375 appliance in a high availability pair to version 10.6.3. SCP transfers the Cisco CMX image, but the upgrade script run fails. Which configuration change resolves this issue?

- A. Break the high availability using the cmxha config disable command and upgrade the primary and secondary individually.
- B. Upgrade the high availability pair to version 10.6.2 image first and then upgrade to version 10.6.3.
- C. Save configuration and use the upgrade script to upgrade the high availability pair without breaking the high availability.
- D. Run root patch to first upgrade to version 10.6.2 and then migrate to version 10.6.3.

Answer: A (LEAVE A REPLY)

NEW QUESTION: 53

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

Answer: D,E (LEAVE A REPLY)

NEW QUESTION: 54

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. Both Cisco CMX installations are virtual.
- 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. The Cisco CMX instances are installed in the same subnet.

Answer: (SHOW ANSWER)

https://www.cisco.com/c/en/us/td/docs/wireless/mse/106/cmxc_config/b_cg_cmxc106/managing_cisco_cmxc_system_settings.html Pre-requisites for HA Both the primary and the secondary server should be of the same size and the same type (VM or physical appliance).

Both the primary and the secondary server should have the same Cisco CMX version.

Both the primary and the secondary server should be connected on the same subnet.

Both the primary and the secondary server should be connected on the same subnet if Layer 2 HA is required.

Both the primary and the secondary server should be IP connected with delay of less than 250ms if Layer 3 HA is used.

From Cisco CMX release 10.6.2, NTP server settings must be configured on both Primary and Secondary server instance before HA pairing starts. We recommend that you use the same NTP server on both Primary and Secondary. As a Cisco CMX admin you can also use a dedicated NTP for Primary and Secondary.

NEW QUESTION: 55

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

- A. 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.
- B. If multiple WLCs are used, the WLAN IDs must be exact for the clients to be provisioned and traverse the network correctly.
- C. One SSID is for provisioning and the other SSID is for gaining access to the network. The use of an ACL should not be enforced to make the client connect to the REAL SSID after provisioning.
- D. 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.

Answer: [\(SHOW ANSWER\)](#)

Centralized Campus–Dual SSID Design

In this design there are two SSIDs: one provides enrollment/provisioning and the other provides secure network access.

NEW QUESTION: 56

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

- A. 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.
- B. 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.
- C. If multiple WLCs are used, the WLAN IDs must be exact for the clients to be provisioned and traverse the network correctly.
- D. One SSID is for provisioning and the other SSID is for gaining access to the network. The use of an ACL should not be enforced to make the client connect to the REAL SSID after provisioning.

Answer: D [\(LEAVE A REPLY\)](#)

NEW QUESTION: 57

Refer to the exhibit. An engineer must restrict some subnets to have access to the WLC. When the CPU ACL function is enabled. No ACLs in the drop-down list are seen.

What is the cause of the problem?



- A. This configuration must be performed through the CLI and not through the web GUI
- B. No ACLs have been created under the Access Control List tab.
- C. The ACL does not have a rule that is specified to the Management interface.
- D. When the ACL is created, it must be specified that it is a CPU ACL.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 58

CMX Facebook Wi-Fi allows access to the network before authentication. Which two elements are available? (Choose two.)

- A. Allow SNMP traffic only before authentication and block all the traffic.
- B. Allow all the traffic before authentication and intercept HTTP only.
- C. Allow all the traffic before authentication and intercept HTTPS only.
- D. Allow HTTPs traffic only before authentication and block all other traffic.
- E. Allow HTTP traffic only before authentication and block all the traffic.

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 59

A network engineer is configuring a Cisco AireOS 8.2 WLC, Cisco MSE, and Cisco PI with Cisco

3700 Series APs and Cisco Hyperlocation modules. The engineer configures and enables a WLAN with Hyperlocation. During testing, the engineer notices that the Hyperlocation module cannot be seen on the WLC. Which action resolves the issue?

- A. Configure the APs to be in monitor mode.
- B. Enable Hyperlocation in the Global Configuration settings of the WLC.
- C. Add the key hash that is used to add the Hyperlocation module to the WLC.
- D. Enable the NTP server that is connected to the Hyperlocation module.

Answer: B ([LEAVE A REPLY](#))

Step 1

Choose Wireless > Access Points > Global Configuration.

Step 2

In the Hyperlocation Config Parameters section:

Check the Enable Hyperlocation check box.

Based on AP and installed module, checking the Enable Hyperlocation check box enables different location service (PRL-based or AoA-based).

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-2/config-guide/b_cg82/b_cg82_chapter_011010.html#config-hyperlocation-global:~:text=Check%20the%20Enable%20Hyperlocation%20check%20box.

NEW QUESTION: 60

Which feature on the Cisco Wireless LAN Controller must be present to support dynamic VLAN mapping?

- A. FlexConnect ACL
- B. VLAN name override
- C. CCKM/OKC
- D. AAA override

Answer: D ([LEAVE A REPLY](#))

https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_010010000.html

NEW QUESTION: 61

Refer to the exhibit. An administrator configures CPU ACLs on the AireOS WLC to implement security. After configuration, administrative users cannot access the user interface. Where must HTTP and HTTPS traffic be allowed on the ACLs, based on the configuration?

```
(Cisco Controller) >show interface summary
```

```
Number of Interfaces..... 4
```

Interface Name	Port	Vlan Id	IP Address	Type	Ap Mgr	Guest
dead	3	999	1.2.3.4	Dynamic	No	No
labnetwork	3	272	192.168.172.40	Dynamic	No	No
management	3	10	172.18.254.249	Static	Yes	No
virtual	N/A	N/A	192.0.2.2	Static	No	No

```
(Cisco Controller) >  
(Cisco Controller) >show acl detailed CPU_ACL_LIST
```

Index	Dir	Source IP Address/Netmask	Destination IP Address/Netmask	Prot	Source Port Range	Dest Port Range	DSCP	Action	Counter
1	Any	0.0.0.0/0.0.0.0	192.168.172.40/255.255.255.255	Any	0-65535	0-65535	Any	Permit	0
2	Any	0.0.0.0/0.0.0.0	172.18.254.249/255.255.255.255	6	0-65535	22-22	Any	Permit	0
3	Any	0.0.0.0/0.0.0.0	0.0.0.0/0.0.0.0	Any	0-65535	0-65535	Any	Deny	0

- A. on the management interface
- B. on the virtual interface
- C. on the dynamic interface
- D. on the service port of management traffic

Answer: A (LEAVE A REPLY)

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NEW QUESTION: 62

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

Answer: A,C (LEAVE A REPLY)

NEW QUESTION: 63

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 (LEAVE A REPLY)

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

Q. What devices can be tracked with the Cisco Context Aware Services?

A. The Cisco Context-Aware Services allows you to track and locate IP enabled devices both wired and wireless with the Cisco Unified Wireless Network and Wired network.

NEW QUESTION: 64

A network administrator just completed the basic implementation of Cisco CMX and tries to implement location tracking. The administrator is having trouble establishing connectivity between one of the WLCs through NMSP. What must be configured to establish this connectivity?

(Choose two.)

- A. Add to the WLC the MAC address and SSC key for the Cisco CMX server.
- B. Reboot Cisco CMX after adding the WLC for the first time.
- C. Enable NMSP on the WLC.
- D. Add permanent licenses on the Cisco CMX server.
- E. Allow on the firewall port 16113 between Cisco CMX and the WLC.

Answer: C,E (LEAVE A REPLY)

NEW QUESTION: 65

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 (LEAVE A REPLY)

Cisco WLAN solution addresses that limitation by support of identity networking. That allows the network to advertise a single SSID, but allows specific users to inherit different QoS, VLAN attributes and/or security policies based on the user credential.

Dynamic VLAN assignment is one such feature that places a wireless user into a specific VLAN based on the credentials supplied by the user. This task of assigning users to a specific VLAN is handled by a RADIUS authentication server, such as Cisco ISE. This can be used, for example, to allow the wireless host to remain on the same VLAN as it moves within a campus network.

NEW QUESTION: 66

A network engineer needs to configure multicast in the network. The implementation will use multiple multicast groups and PIM routers. Which address provides automatic discovery of the best RP for each multicast group?

- A. 224.0.0.13
- B. 224.0.0.14
- C. 224.0.1.39
- D. 224.0.1.40

Answer: (SHOW ANSWER)

224.0.1.39	cisco-rp-announce
224.0.1.40	cisco-rp-discovery

NEW QUESTION: 67

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 (LEAVE A REPLY)

Echo Interval	How frequently an echo request is sent from a MSE to a controller. The default value is 15 seconds. Allowed values range from 1 to 120 seconds.
---------------	---

NEW QUESTION: 68

A corporation is spread across different countries and uses MPLS to connect the offices. The senior management wants to utilize the wireless network for all the employees. To ensure strong connectivity and minimize delays, an engineer needs to control the amount of traffic that is traversing between the APs and the central WLC. Which configuration should be used to accomplish this goal?

- A. FlexConnect mode with OfficeExtend enabled
- B. FlexConnect mode with local authentication
- C. FlexConned mode with central switching enabled
- D. FlexConnect mode with central authentication

Answer: (SHOW ANSWER)

Explanation

Local authentication is useful where you cannot maintain a remote office setup of a minimum bandwidth of 128 kbps with the round-trip latency no greater than 100 ms and the maximum transmission unit (MTU) no smaller than 500 bytes. In local authentication, the authentication capabilities are present in the access point itself. Local authentication reduces the latency requirements of the branch office.

https://www.cisco.com/c/en/us/td/docs/wireless/controller/72/configuration/guide/cg/cg_flexconnect.html#wp12

NEW QUESTION: 69

A FlexConnect remote office deployment is using five 2702i APs indoors and two 1532i APs outdoors. When a code upgrade is performed and FlexConnect Smart AP Image Upgrade is leveraged, but no FlexConnect Master AP has been configured. How many image transfers between the WLC and APs will occur?

- A. 7
- B. 1
- C. 5
- D. 2

Answer: (SHOW ANSWER)

Explanation/Reference:

NEW QUESTION: 70

An engineer has been hired to implement a way for users to stream video content without having issues on the wireless network. To accomplish this goal, the engineer must set up a reliable way for a Media Stream to work between Cisco FlexConnect APs. Which feature must be enabled to guarantee delivery?

- A. Multicast-Unicast Direct
- B. Unicast Direct
- C. IGMP Direct
- D. Multicast Direct

Answer: D (LEAVE A REPLY)

NEW QUESTION: 71

Which three properties are used for client profiling of wireless clients? (Choose three.)

- A. HTTP user agent
- B. DHCP
- C. MAC OUI
- D. hostname
- E. OS version
- F. IP address

Answer: ([SHOW ANSWER](#))

The user can configure these policies and enforce end-points with specified policies. The wireless clients will be profiled based on MAC OUI, DHCP, HTTP user agent (valid internet is required for successful HTTP profiling). The WLC uses these attributes and predefined classification profiles to identify devices.

Reference:

<https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/7-5/NativeProfiling75.html>

NEW QUESTION: 72

When implementing self-registration for guest/BYOD devices, what happens when an employee tries to connect four devices to the network at the same time?

- A. The registration is allowed, but only one device is connected at any given time.
- B. All devices are allowed on the network simultaneously.
- C. Purge time dictates how long a device is registered to the portal.
- D. The last device is removed and the newly added device is updated as active device.

Answer: B ([LEAVE A REPLY](#))

https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Borderless_Networks/Unified_Access/BYOD_Design_Guide/BYOD_Enhanced_Use_Case.html

NEW QUESTION: 73

CMX Facebook Wi-Fi allows access to the network before authentication. Which two elements are available?

(Choose two.)

- A. Allow HTTP traffic only before authentication and block all the traffic.
- B. Allow all the traffic before authentication and intercept HTTPS only.
- C. Allow HTTPs traffic only before authentication and block all other traffic.
- D. Allow all the traffic before authentication and intercept HTTP only.
- E. Allow SNMP traffic only before authentication and block all the traffic.

Answer: ([SHOW ANSWER](#))

https://www.cisco.com/c/en/us/td/docs/wireless/mse/8-0/CMX_Connect_Engage_Visitor_Connect/Guide/Cisco_CMX_Connect_Engage_Config_Guide_VC/CMX_Facebook_Wi-Fi.html

NEW QUESTION: 74

An IT team is growing quickly and needs a solution for management device access.

The solution must authenticate users from an external repository instead of the current local on the WLC, and it must also identify the user and determine what level of access users should have.

Which protocol do you recommend to achieve these goals?

- A. network policy server

- B. RADIUS
- C. TACACS+
- D. LDAP

Answer: C (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/switches/lan/Denali_161/ConfigExamples_Technotes/Techzone_Articles/Example_and_Technotes_Denali_16_1_1/Example_and_Technotes_Denali_16_1_1_chapter_010110.pdf

- Authentication of users who attempt to log in to the network equipment.
- Authorization to determine what level of access users should have.

NEW QUESTION: 75

An engineer configures a deployment to support:

- * Cisco CMX
- * licenses for at least 3000 APs
- * 6000 wIPS licenses

The Cisco vMSE appliance must be sized for this deployment. Which Cisco vMSE Release 8 option must the engineer deploy?

- A. Large vMSE
- B. Low-End vMSE
- C. Standard vMSE
- D. High-End vMSE

Answer: (SHOW ANSWER)

Explanation

Cisco MSE Model	Location	wIPS
MSE 3365 (physical appliance)	5000 APs	10000 APs
MSE 3355 (physical appliance)	2500 APs	6000 APs
High-End MSE virtual appliance (vMSE)	5000 APs	10000 APs
Standard vMSE	2500 APs	6000 APs
Low-End vMSE	200 APs	2000 APs

Table Description automatically generated

NEW QUESTION: 76

An engineer must track guest traffic flow using the WLAN infrastructure. Which Cisco CMX feature must be configured and used to accomplish this tracking?

- A. analytics
- B. connect and engage
- C. presence
- D. detect and locate.

Answer: C (LEAVE A REPLY)

• **PRESENCE ANALYTICS:** Cisco Presence Analytics service is a new analytics engine that detects the presence of visitors via their mobile devices interactions with even a single network access point. The probe requests which are transmitted from the wireless devices provide information, which is used to identify the general

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NEW QUESTION: 77

A customer wants the APs in the CEO's office to have different usernames and passwords for administrative support than the other APs deployed throughout the facility.

Which feature must be enabled on the WLC and APs to achieve this goal?

- A. local management users
- B. 802.1X supplicant credentials
- C. override global credentials
- D. HTTPS access

Answer: C (LEAVE A REPLY)

You can set a global username, password, and enable password that all access points that are currently joined to the controller and any that join in the future inherit as they join the controller. If desired, you can override the global credentials and assign a unique username, password, and enable password for a specific access point.

https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_011_01011.html

NEW QUESTION: 78

A customer wants the APs in the CEO's office to have different usernames and passwords for administrative support than the other APs deployed throughout the facility. Which feature must be enabled on the WLC and APs to achieve this goal?

- A. override global credentials
- B. local management users
- C. HTTPS access
- D. 802.1X supplicant credentials

Answer: A (LEAVE A REPLY)

NEW QUESTION: 79

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 (LEAVE A REPLY)

Explanation

Q. What devices can be tracked with the Cisco Context Aware Services?

A. The Cisco Context-Aware Services allows you to track and locate IP enabled devices both wired and wireless with the Cisco Unified Wireless Network and Wired network.

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

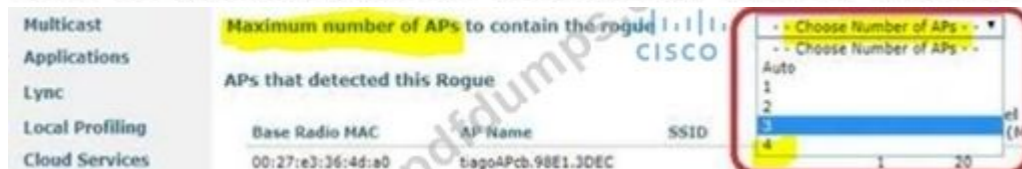
NEW QUESTION: 80

An engineer must implement rogue containment for an SSID. What is the maximum number of APs that should be used for containment?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: [\(SHOW ANSWER\)](#)

Enter the maximum number of Cisco APs to actively contain the rogue client [1-4].



NEW QUESTION: 81

Refer to the exhibit. Global multicast has been configured for multicast-multicast, but multicast is not functioning on any of the WLANs in the network. Which action enables multicast?



- A. Enable the Multicast VLAN feature.
- B. Enable WLAN advanced settings to support multicast-multicast mode.
- C. Set the AP to local.
- D. Set the radio policy to All on the WLAN.

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 82

Which two statements about the requirements for a Cisco Hyperlocation deployment are true? (Choose two.)

- A. After enabling Cisco Hyperlocation on Cisco CMX, the APs and the wireless LAN controller must be restarted.
- B. NTP can be configured, but that is not recommended.
- C. The Cisco Hyperlocation feature must be enabled on the wireless LAN controller and Cisco CMX.
- D. The Cisco Hyperlocation feature must be enabled only on the wireless LAN controller.
- E. If the Cisco CMX server is a VM, a high-end VM is needed for Cisco Hyperlocation deployments.

Answer: [\(SHOW ANSWER\)](#)

The major steps involved in setting up a Hyperlocation system are:

1. Assemble the APs and mount them to the ceiling, recording the exact X, Y, height, and orientation of the devices.
2. Install Cisco WLC and connect the APs to Cisco WLC.
3. Enable the functions that are required, including Hyperlocation, in Cisco WLC.
4. Import Cisco WLC into Cisco PI.
5. Place the AP on the map in Cisco PI.
6. Save and export the map from Cisco PI to a local storage point.
7. Install Cisco CMX.
8. Configure and enable Hyperlocation.
9. Import the map from the local storage point.
10. Verify that the system is showing the clients correctly on the map and that the APs are placed and oriented correctly.
11. Complete Location Accuracy testing of static clients to determine the level of accuracy obtained.

<https://www.cisco.com/c/en/us/products/collateral/wireless/mobility-services-engine/datasheet-c78-734648.html>

NEW QUESTION: 83

ALLAR A network engineer must segregate all iPads on the guest WLAN to a separate VLAN.

How does the engineer accomplish this task without using Cisco ISE?

- A. Use an mDNS profile for the iPad device.
- B. Enable RADIUS DHCP profiling on the WLAN.
- C. Create a local policy on the WLC.
- D. Use 802.1x authentication to profile the devices

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 84

A customer has a distributed wireless deployment model where the WLCs are located in the data centers.

Because the file servers are located in the data center, the traffic from the corporate WLAN

"Corp-401266017" must go through the controllers, where the guest WLAN "Guest-19283746" traffic must use the local Internet line installed in each office. Which configuration will accomplish this task?

- A. Disable Local Switching for the corporate WLAN and enable it for the guest WLAN.
- B. Enable Local Switching for the corporate and guest WLAN.
- C. Enable Local Switching for the corporate WLAN and disable it for the guest WLAN.
- D. Disable Local Switching for the corporate and guest WLAN.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 85

A Cisco 8540 WLC manages Cisco Aironet 4800 Series Aps and send AoA data to a Cisco CMX 3375 Appliance for Hyperlocation. The load from the WLC is distributed to another virtual CMX server using CMX grouping. The virtual CMX server shows location RSSI data and not Hyperlocation. No AoA metrics are shown on the metrics page of the CMX virtual appliance under System > Metrics > Location Metrics. How must the network administrator resolve this issue?

- A. Use one Hyperlocation-enabled WLC and CMX for AoA data.
- B. Enable the HALO module on the CMX appliance for the data collection.
- C. Enable Wireless > Access Points > Global configuration > Enable Hyperlocation on the WLC.
- D. Allow port 2003 for AoA packets to flow through between the CMX appliances.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 86

An enterprise has two WLANs configured on WLC. It is reported that when converting APs to FlexConnect mode. WLAN A works but WLAN B does not. When converting APs to local mode. WLAN B works, but WLAN A does not. Which action is needed to complete this configuration?

- A. Disable local switching on the WLANs.
- B. Create a Cisco FlexConnect group with WLAN-VLAN mapping.
- C. Join the APs to a Cisco FlexConnect group.
- D. Map the AP group to the WLAN interface.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 87

The security team is concerned about the access to all network devices, including the Cisco WLC. To permit only the admin subnet to have access to management, a CPU ACL is created and applied. However, guest users cannot get to the web portal. What must be configured to permit only admins to have access?

- A. The guest portal must be configured on the CPU ACLs on the Cisco WLC.
- B. Access to Cisco ISE must be allowed on the pre authentication ACL.
- C. Management traffic from the guest network must be configured on the ACL rules.
- D. Traffic toward the virtual interface must be permitted.

Answer: C ([LEAVE A REPLY](#))

Explanation

In WLC firmware version 4.0, there are CPU ACLs which can filter traffic destined for the Management Interface. An example of how to [configure CPU ACLs](#) is provided later in this document.

<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/wlan-security/71978-acl-wlc.html>

NEW QUESTION: 88

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 Profile

Answer: B ([LEAVE A REPLY](#))

Explanation

Configuration

1. In order to create a Flex profile, enable **Office Extend AP** and navigate to **Configuration > Tags & Profiles > Flex**.

https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/configguide/b_wl_16_10_cg/flexconnect.html

NEW QUESTION: 89

The IT manager is asking the wireless team to get a report for all guest user associations during the past two weeks. In which two formats can Cisco Prime save this report? (Choose two.)

- A. CSV
- B. PDF
- C. XLS
- D. DOC
- E. plain text

Answer: A,B ([LEAVE A REPLY](#))

NEW QUESTION: 90

An engineer must configure Cisco OEAPs for three executives. As soon as the NAT address is configured on the management interface, it is noticed that the WLC is not responding for APs that are trying to associate to the internal IP management address. Which command should be used to reconcile this?

- A. config flexconnect office-extend nat-ip-only disable
- B. config network ap-discovery nap-ip-only enable
- C. config flexconnect office-extend nat-ip-only enable
- D. config network ap-discovery nat-ip-only disable

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 91

A network engineer wants to implement QoS across the network that support multiple VLANs. All the Aps are connected to switch ports and are configured in local mode. Which trust model must be configured on the switch ports to which the Aps are connected?

- A. CoS
- B. DSCP
- C. WMM UP
- D. IPP

Answer: B ([LEAVE A REPLY](#))

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NEW QUESTION: 92

Refer to the exhibit. Which COS to DSCP map must be modified to ensure that voice traffic is tagged correctly as it traverses the network?

```
AL-CORE#show mls qos map cos-dscp
Cos-dscp map:
  cos: 1 2 3 4 5 6 7
-----
  dscp: 8 16 24 32 45 48 56
```

- A. COS of 7 to DSCP 48
- B. COS of 5 to DSCP 46
- C. COS of 6 to DSCP 46

D. COS of 3 to DSCP 26

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 93

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. Interference Devices reports on Cisco Wireless LAN Controller

B. Air Quality reports on Cisco Wireless LAN Controller

C. Performance reports on Cisco Prime Infrastructure

D. CleanAir reports on Cisco Prime Infrastructure

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 94

On a branch office deployment, it has been noted that if the FlexConnect AP is in standalone mode and loses connection to the WLC, all clients are disconnected, and the SSID is no longer advertised. Considering that FlexConnect local switching is enabled, which setting is causing this behavior?

A. ISE NAC is enabled

B. FlexConnect Local Auth is disabled

C. Client Exclusion is enabled

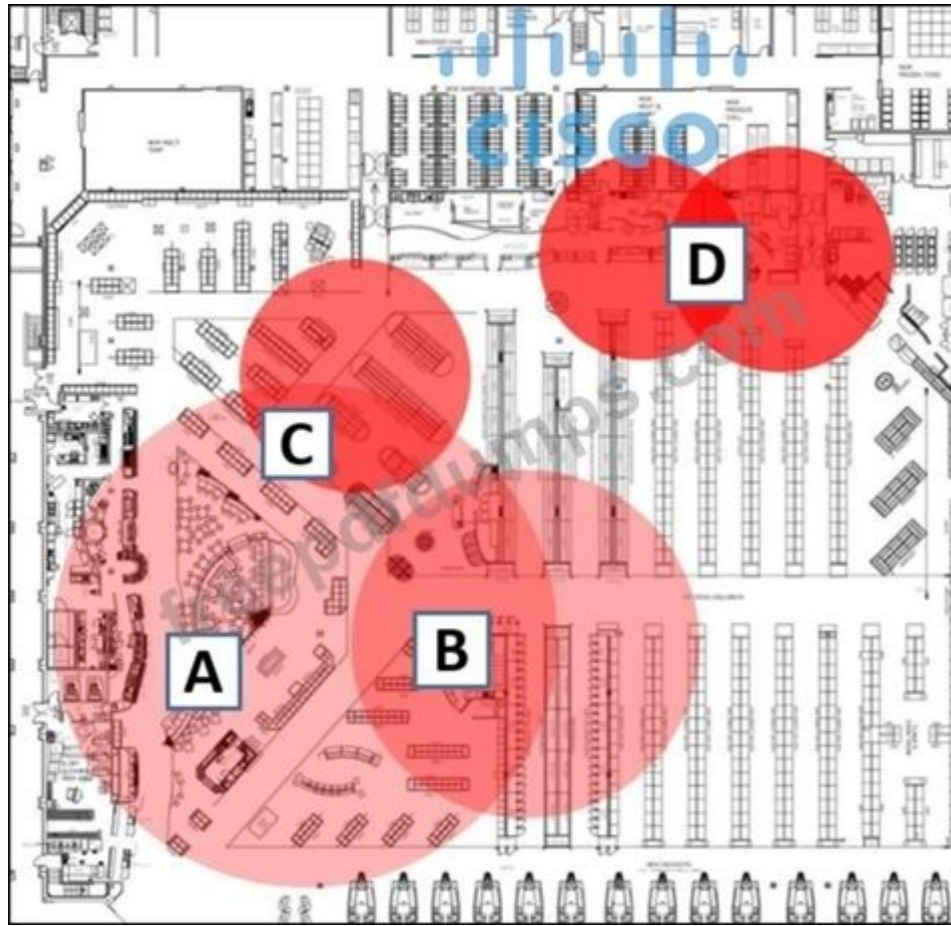
D. 802.11r Fast Transition is enabled

Answer: B ([LEAVE A REPLY](#))

local authentication, local switching—In this state, the FlexConnect access point handles client authentication and switches client data packets locally. This state is valid in standalone mode and connected mode.

NEW QUESTION: 95

Refer to the exhibit.



Which area indicates the greatest impact on the wireless network when viewing the Cisco CleanAir Zone of Impact map of interferers?

- A. B
- B. C
- C. D
- D. A

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 96

A company wants to switch to BYOD to reduce IT support costs for the company.

Which option is an impact of BYOD should be considered?

- A. increased VPN connections
- B. restricted device enforcement
- C. increased phishing attacks
- D. decreased support calls

Answer: ([SHOW ANSWER](#))

"Cisco Identity Services Engine (ISE) is a market leading, identity-based network access control and policy enforcement system.

It's a common policy engine for controlling, endpoint access and network device administration for your enterprise.

ISE allows an administrator to centrally control access policies for wired, wireless and VPN endpoints in the network." Reference:

<https://ciscocustomer.lookbookhq.com/iseguidedjourney/byod-configuration>

NEW QUESTION: 97

A customer is concerned that their wireless network is detecting spurious threats from channels that are not being used by their wireless infrastructure. Which two technologies must they deploy? (Choose two.)

- A. FlexConnect mode
- B. rogue detector mode
- C. local mode with WIPS submode
- D. sniffer mode with no submode
- E. monitor mode

Answer: C,E (LEAVE A REPLY)

NEW QUESTION: 98

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: C,D (LEAVE A REPLY)

Explanation

Seq	Action	Source IP/Mask	Destination IP/Mask	Protocol	Source Port	Dest Port
1	Permit	0.0.0.0 0.0.0.0	0.0.0.0 0.0.0.0	UDP	DNS	Any
2	Permit	0.0.0.0 0.0.0.0	0.0.0.0 0.0.0.0	UDP	Any	DNS

<https://www.cisco.com/c/en/us/support/docs/security/identity-services-engine/115732-central-web-auth-00.html>

NEW QUESTION: 99

An engineer is configuring multicast for wireless for an all-company video meeting on a network using EIGRP and BGP within a single domain from a single source. Which type of multicast routing should be implemented?

- A. Protocol Independent Multicast Dense Mode
- B. Source Specific Multicast
- C. Multicast Source Discovery Protocol
- D. Protocol Independent Multicast Sparse Mode

Answer: D (LEAVE A REPLY)

Protocol Independent Multicast-Sparse Mode (PIM-SM or PIM) is the routing protocol most suited to get multicast routing up and running within a single domain.

<http://www.telfor.rs/telfor2002/radovi/2-19.pdf>

NEW QUESTION: 100

After installing and configuring Cisco CMX, an administrator must change the NTP server on the Cisco CMX server. Which action accomplishes this task?

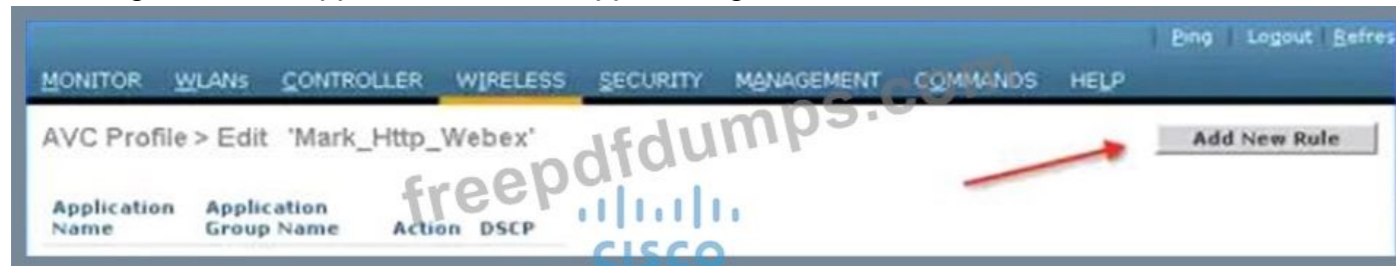
- A. Manually edit /etc/ntp.conf using an XML editor before restarting the server by using service restart all services.
- B. Log in to the Cisco CMX CLI and issue set ntp server NTP_IP where NTP_IP is the IP of the NTP server.
- C. Log in to the Cisco CMX GUI as the administrator and type the IP address of the NTP server in System tab > Settings> TimeZone/NTP.
- D. Manually edit /etc/ntp.conf as the admin user before restarting ntpd by using service ntpd restart.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 101

An engineer wants to configure WebEx to adjust the precedence and override the QoS profile on the WLAN.
Which configuration is needed to complete this task?

- A. Change the WLAN reserved bandwidth for WebEx
- B. Create an ACL for WebEx
- C. Create an AVC profile for WebEx
- D. Change the AVC application WebEx-app-sharing to mark



https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/7-5/AVC_dg7point5.html

Answer: C (LEAVE A REPLY)

NEW QUESTION: 102

Refer to the exhibit.

Event	5405 RADIUS Request dropped
Failure Reason	11036 The Message-Authenticator RADIUS attribute is invalid

A wireless engineer has integrated the wireless network with a RADIUS server. Although the configuration on the RADIUS is correct, users are reporting that they are unable to connect. During troubleshooting, the engineer notices that the authentication requests are being dropped. Which action will resolve the issue?

- A. Provide a valid client username that has been configured on the RADIUS server.
- B. Authenticate the client using the same EAP type that has been set up on the RADIUS server.
- C. Allow connectivity from the wireless controller to the IP of the RADIUS server.
- D. Configure the shared-secret keys on the controller and the RADIUS server.

Answer: D (LEAVE A REPLY)

NEW QUESTION: 103

An engineer must create an account to log in to the CLI of an access point for troubleshooting.
Which configuration on the WLC will accomplish this?

- A. SNMP V3 User
- B. ReadWrite User Access Mode
- C. Allow New Telnet Sessions
- D. Global Configuration Enable Password

Answer: (SHOW ANSWER)

NEW QUESTION: 104

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: ([SHOW ANSWER](#))

Explanation

Proactive Interference Protection by Using Cisco CleanAir. Continuous Wi-Fi spectrum analysis graphically shows the source and location of interference impacting the Wi-Fi network. Advanced real-time spectrum analysis and diagnostic capabilities are available with Cisco CleanAir-enabled access points.

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/Apr2014/CVD-CampusCleanAirDesignGuide-APR1>

NEW QUESTION: 105

An engineer is implementing RADIUS to restrict administrative control to the network with the WLC management IP address of 192.168.1.10 and an AP subnet of 192.168.2.0/24. Which entry does the engineer define in the RADIUS server?

- A. shared secret defined on the WLC and the network range 192 168 1 0/255 255 254.0
- B. NAS entry of the virtual interface and the network range 192 168 2 0/255 255 255 0
- C. WLC roles for commands and the network range 192 168 1 0/255 255 255.0

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 106

A FlexConnect remote office deployment is using five 2702i APs indoors and two 1532i APs outdoors. When a code upgrade is performed and FlexConnect Smart AP Image Upgrade is leveraged, but no FlexConnect Master AP has been configured, how many image transfers between the WLC and APs will occur?

- A. 1
- B. 7
- C. 5
- D. 2

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 107

A network engineer created a new wireless network that will be used for guest access. The corporate network must utilize all rates. The guest network must use only lower rates instead of 802.11n data rates. To what must the WMM policy of the WLAN be set to accomplish this task?

- A. mandatory

- B. allowed
- C. required
- D. disabled

Answer: B (LEAVE A REPLY)

NEW QUESTION: 108

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: A,B,E (LEAVE A REPLY)

Authentication-local/switch-local

This state represents a WLAN that uses open, static WEP, shared, or WPA2 PSK security methods. User traffic is switched locally. These are security methods supported locally if a FlexConnect goes into standalone mode. The WLAN continues to beacon and respond to probes (Fig

NEW QUESTION: 109

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. FlexConnect
- C. SE-connect
- D. AP failover priority

Answer: A (LEAVE A REPLY)

This section details the requirements for configuring a Cisco wireless LAN controller for use with the Cisco 600 Series OfficeExtend Access Point. The 600 Series OfficeExtend Access Point supports split mode operation, and it requires configuration through the WLAN controller in local mode.

NEW QUESTION: 110

Refer to the exhibit.

A wireless engineer has integrated the wireless network with a RADIUS server. Although the configuration on the RADIUS is correct, users are reporting that they are unable to connect. During troubleshooting, the engineer notices that the authentication requests are being dropped. Which action will resolve the issue?

- A. Allow connectivity from the wireless controller to the IP of the RADIUS server.
- B. Authenticate the client using the same EAP type that has been set up on the RADIUS server.
- C. Configure the shared-secret keys on the controller and the RADIUS server.
- D. Provide a valid client username that has been configured on the RADIUS server.

Answer: (SHOW ANSWER)

NEW QUESTION: 111

Which feature on the Cisco Wireless LAN Controller must be present to support dynamic VLAN mapping?

- A. FlexConnect ACL

- B. VLAN name override
- C. CCKM/OKC
- D. AAA override

Answer: [\(SHOW ANSWER\)](#)

AAA overrides for FlexConnect access points introduce a dynamic VLAN assignment for locally switched clients.

NEW QUESTION: 112

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

Answer: [B \(LEAVE A REPLY\)](#)

NEW QUESTION: 113

A network engineer is experiencing issues enabling LAG on the WLC. Which four characteristics should be validated to ensure LAG configuration? (Choose four.)

- A. All ports participate in the LAG by default when LAG is enabled on the controller. y
- B. Dynamic interfaces and management are moved to port 1
- C. Primary and secondary ports are needed for each interface.
- D. Multiple untagged interfaces to the same port are not allowed.
- E. EtherChannel must be configured for mode "on" on the switch.
- F. Only one functional physical port is needed to continue to pass traffic.
- G. Multiple LAGs are permitted on the controller.
- H. The WLC does not need to be rebooted to enable the LAG configuration.

Answer: [\(SHOW ANSWER\)](#)

http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_0100011.html

NEW QUESTION: 114

An engineer must achieve the highest level of location accuracy possible for a new mobile application. Which technology must be implemented for this use case?

- A. Time Difference of Arrival
- B. Bluetooth Low Energy
- C. RSS lateration
- D. ToA lateration

Answer: [A \(LEAVE A REPLY\)](#)

<https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Mobility/WiFiLBSDG/wifich2.html>

NEW QUESTION: 115

Refer to the exhibit.



An engineer tries to manage the rogues on the Cisco WLC. Based on the configuration, which AP is marked as malicious by the controller?

- A. rogue AP with SSID admin seen for 4000 seconds and heard at -60 dBm
- B. rogue AP with SSID admin seen for 3000 seconds and heard at -70 dBm
- C. rogue AP with SSID admin seen for 4000 seconds and heard at -70 dBm
- D. rogue AP with SSID admin seen for 3000 seconds and heard at -60 dBm

Answer: A (LEAVE A REPLY)

- **RSSI**—Requires that the rogue access point have a minimum received signal strength indication (RSSI) value. For example, if the rogue access point has an RSSI that is greater than the configured value, then the access point could be classified as malicious. If you choose this option, enter the minimum RSSI value in the **Minimum RSSI** text box. The valid range is 0 to -128 dBm (inclusive).
- **Duration**—Requires that the rogue access point be detected for a minimum period of time. If you choose this option, enter a value for the minimum detection period in the **Time Duration** text box. The valid range is 0 to 3600 seconds (inclusive), and the default value is 0 seconds.

NEW QUESTION: 116

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 (LEAVE A REPLY)

With multicast-unicast, the wlc would have to make a copy for every packet before sending it to an AP. With lots of AP, that would give a nice spike in cpu.

By enabling multicast-multicast, now the wlc sends only 1 copy to a unique chosen multicast address and all APs joining that multicast address receive the packet.

<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/81671-multicast-wlc-lap.html#anc4>

NEW QUESTION: 117

Refer to the exhibit.

An engineer must connect a fork lift via a WGB to a wireless network and must authenticate the WGB certificate against the RADIUS server. Which three steps are required for this configuration? (Choose three.)

- A. Configure the certificate on the WLC.
- B. Configure WGB as a network device in IS
- C. Configure WLAN to authenticate using ISE.
- D. Configure a policy on ISE to allow devices to connect that validate the certificate.

E. Configure the certificate, WLAN, and radio interface on WGB.

F. Configure the access point with the root certificate from ISE.

Answer: C,D,E (LEAVE A REPLY)

<https://mrnciew.com/2018/05/25/wgb-with-peap/>

NEW QUESTION: 118

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: (SHOW ANSWER)

Cisco Unified Wireless products support WMM, a QoS system based on IEEE 802.11e that has been published by the Wi-Fi Alliance, and WMM Power Save, as well as Admission Control.

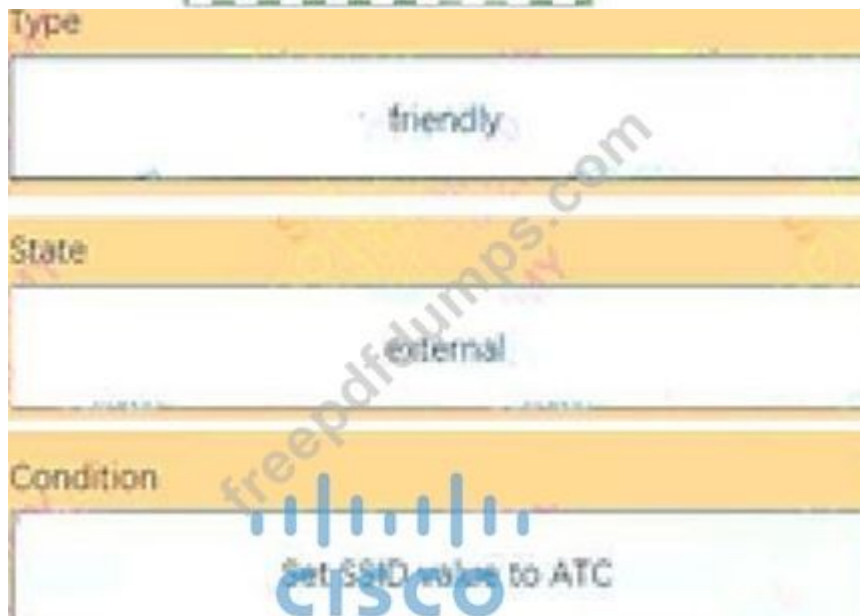
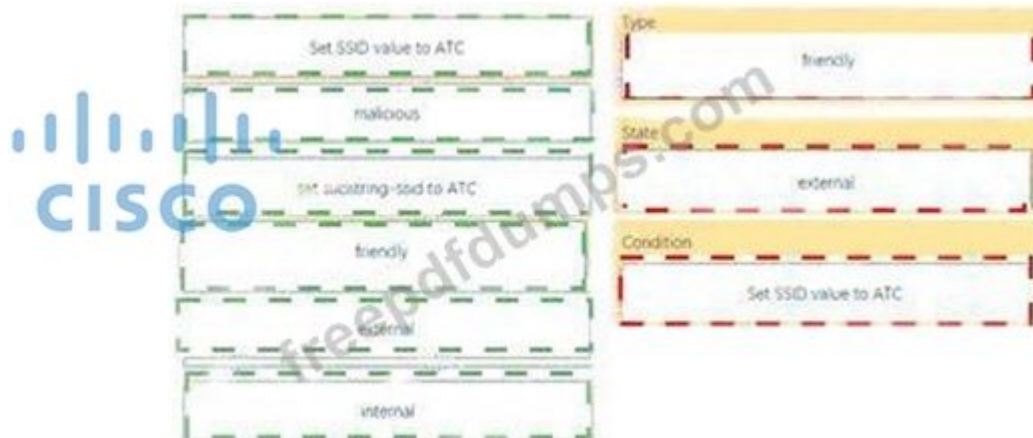
NEW QUESTION: 119

The network management team in a large shopping center has detected numerous rogue APs from local coffee shops that are broadcasting SSIDs. All of these SSIDs have names starting with ATC (for example, ATC302.

ATC011, and ATC566). A wireless network engineer must appropriately classify these SSIDs using the Rogue Rules feature. Drag and drop the options from the left onto the categories in which they must be used on the right. Not all options are used.



Answer:



NEW QUESTION: 120

Refer to the exhibit.

Access Control Lists > Rules > New

Sequence

Source

Destination

Protocol

DSCP

Direction

Action

CISCO

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 (LEAVE A REPLY)

- CPU ACLs only filter traffic towards the CPU, and not any traffic exiting or generated by the CPU.

NEW QUESTION: 121

An engineer has implemented 802.1x authentication on the wireless network utilizing the internal database of a RADIUS server. Some clients reported that they are unable to connect. After troubleshooting, it is found that PEAP authentication is failing. A debug showed the server is sending an Access-Reject message. Which action must be taken to resolve authentication?

- A. Use the user password that is configured on the server.
- B. Disable the server certificate to be validated on the client.
- C. Update the client certificate to match the user account.
- D. Replace the client certificates from the CA with the server certificate.

Answer: (SHOW ANSWER)

Explanation

https://www.cisco.com/en/US/docs/security/ise/1.0/user_guide/ise10_troubleshooting.html

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NEW QUESTION: 122

A network administrator just completed the basic implementation of Cisco CMX and tries to implement location tracking. The administrator is having trouble establishing connectivity between one of the WLCs through NMSP. What must be configured to establish this connectivity? (Choose two.)

- A. Add permanent licenses on the Cisco CMX server.
- B. Reboot Cisco CMX after adding the WLC for the first time.
- C. Add to the WLC the MAC address and SSC key for the Cisco CMX server.
- D. Enable NMSP on the WLC.
- E. Allow on the firewall port 16113 between Cisco CMX and the WLC.

Answer: D,E (LEAVE A REPLY)

NEW QUESTION: 123

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

- A. If multiple WLCs are used, the WLAN IDs must be exact for the clients to be provisioned and traverse the network correctly.
- B. One SSID is for provisioning and the other SSID is for gaining access to the network. The use of an ACL should not be enforced to make the client connect to the REAL SSID after provisioning.
- C. 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.
- D. 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.

Answer: B (LEAVE A REPLY)

Centralized Campus–Dual SSID Design

In this design there are two SSIDs: one provides enrollment/provisioning and the other provides secure network access.

NEW QUESTION: 124

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

Answer: (SHOW ANSWER)

<https://www.cisco.com/c/dam/en/us/td/docs/solutions/CVD/Apr2014/CVD-CampusCleanAirDesignGuide-APR14.pdf>

NEW QUESTION: 125

A network engineer wants to implement QoS across the network that supports multiple VLANs. All the APs are connected to switch ports and are configured in local mode. Which trust model must be configured on the switch ports to which the APs are connected?

- A. IPP
- B. WMM UP
- C. CoS

D. DSCP

Answer: (SHOW ANSWER)

NEW QUESTION: 126

An engineer is setting up a WLAN to work with a Cisco IS as the AAA server. The company policy requires that all users be denied access to any resources until they pass the validation. Which component must be configured to achieve this stipulation?

- A. CPU ACL
- B. preauthentication ACL
- C. WPA2 passkey
- D. AAA override

Answer: B (LEAVE A REPLY)

NEW QUESTION: 127

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 (LEAVE A REPLY)

The Media Stream feature makes the delivery of the IP multicast stream reliable over air, by converting the multicast frame to a unicast frame over the air. Each Media Stream client acknowledges receiving a video IP multicast stream.

NEW QUESTION: 128

For security purposes, an engineer enables CPU ACL and chooses an ACL on the Security > Access Control Lists > CPU Access Control Lists menu. Which kind of traffic does this change apply to, as soon as the change is made?

- A. wireless traffic only
- B. wired traffic only
- C. VPN traffic
- D. wireless and wired traffic

Answer: (SHOW ANSWER)

Note When CPU ACL is enabled, it is applicable to both wireless and wired traffic.

NEW QUESTION: 129

A wireless engineer is configuring LWA using ISE. The customer is a startup company and requested the wireless users to authenticate against a directory, but LDAP is unavailable. Which solution should be proposed in order to have the same security and user experience?

- A. Use SAML.
- B. Use a preshared key on the corporate WLAN.
- C. Use Novell eDirectory.
- D. Use the internal database of the RADIUS server.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 130

An engineer wants to upgrade the APs in a Cisco FlexConnect group. To accomplish this upgrade, the FlexConnect AP Upgrade setting will be used. One AP of each model with the lowest MAC address in the group must receive the upgrade directly from the controller. Which action accomplishes this direct upgrade?

- A. Allocate the master APs to different groups.
- B. Reboot all APs before the upgrade.
- C. Do not set any master APs.
- D. Remove the APs from the group.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 131

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

Answer: (SHOW ANSWER)

NEW QUESTION: 132

Refer to the exhibit. An engineer tries to manage the rogues on the Cisco WLC. Based on the configuration, which AP is marked as malicious by the controller?

Rogue Rule > Edit

Rule Name Rule 1
Type Malicious
Match Operation Match All Match Any
Enable

Conditions
 Minimum RSSI (-95 to -50) dBm
 Time Duration (0-3600) secs.

User configured SSID

	Add SSID
Admin	Remove

Add Condition
 Add Condition

- A. rogue AP with SSID admin seen for 4000 seconds and heard at -60 dBm
- B. rogue AP with SSID admin seen for 3000 seconds and heard at -70 dBm
- C. rogue AP with SSID admin seen for 4000 seconds and heard at -70 dBm
- D. rogue AP with SSID admin seen for 3000 seconds and heard at -60 dBm

Answer: A (LEAVE A REPLY)

- **RSSI**—Requires that the rogue access point have a minimum received signal strength indication (RSSI) value. For example, if the rogue access point has an RSSI that is greater than the configured value, then the access point could be classified as malicious. If you choose this option, enter the minimum RSSI value in the **Minimum RSSI** text box. The valid range is 0 to -128 dBm (inclusive).
- **Duration**—Requires that the rogue access point be detected for a minimum period of time. If you choose this option, enter a value for the minimum detection period in the **Time Duration** text box. The valid range is 0 to 3600 seconds (inclusive), and the default value is 0 seconds.

NEW QUESTION: 133

When implementing self-registration for guest/BYOD devices, what happens when an employee tries to connect four devices to the network at the same time?

- A. The last device is removed and the newly added device is updated as active device.
- B. The registration is allowed, but only one device is connected at any given time.
- C. All devices are allowed on the network simultaneously.
- D. Purge time dictates how long a device is registered to the portal.

Answer: (SHOW ANSWER)

Explanation

https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Borderless_Networks/Unified_Access/BYOD_Desig

NEW QUESTION: 134

On a Cisco Catalyst 9800 Series Wireless Controller, an engineer wants to prevent a FlexConnect AP from allowing wireless clients to connect when its Ethernet connection is nonoperational. Which command set prevents this connection?

A. config terminal

```
wireless profile flex [profile name]
```

```
fallback-radio-shut
```

```
end
```

B. config terminal

```
wireless flexconnect profile [profile name]
```

```
fallback-radio-shut
```

```
end
```

C. config terminal

```
wireless flexconnect profile [profile name]
```

```
ethernet-fallback-enable
```

```
end
```

D. config terminal

```
wireless profile flex [profile name]
```

```
ethernet-fallback-enable
```

```
end
```

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 135

Refer to the exhibit.

Access Control Lists > Rules > New

Sequence	<input type="text"/>
Source	<input type="text" value="Any"/>
Destination	<input type="text" value="Any"/>
Protocol	<input type="text" value="Any"/>
DSCP	<input type="text" value="Any"/>
Direction	<input type="text" value="Any"/>
Action	<input type="text" value="Any"/> <input type="text" value="Inbound"/> <input type="text" value="Outbound"/>

CISCO

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 136

What is configured to use more than one port on the OEAP to extend the wired network's?

- A. client load balancing
- B. AAA override
- C. remote LAN ACL
- D. remote LAN

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 137

An engineer wants to configure WebEx to adjust the precedence and override the QoS profile on the WLAN.

Which configuration is needed to complete this task?

- A. Create an ACL for WebEx
- B. Change the AVC application WebEx-app-sharing to mark
- C. Change the WLAN reserved bandwidth for WebEx
- D. Create an AVC profile for WebEx

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 138

A corporation has a wireless network where all access points are configured in FlexConnect. The WLC has a Data WLAN and a VoWiFi WLAN implemented where centrally-switched is configured for the APs. Which QoS configuration must be implemented for the wireless packets to maintain the marking across the wired and wireless network?

- A. Enable CAC
- B. Trust DSCP
- C. Set QoS to Platinum
- D. Allow WMM

Answer: B ([LEAVE A REPLY](#))

The QoS implementation on wireless LANs differs from QoS implementations on wired networks. With QoS enabled, bridges:

- Do not classify packets; they prioritize packets based on differentiated services code point (DSCP) value, client type (such

NEW QUESTION: 139

On a branch office deployment, it has been noted that if the FlexConnect AP is in standalone mode and loses connection to the WLC, all clients are disconnected, and the SSID is no longer advertised. Considering that FlexConnect local switching is enabled, which setting is causing this behavior?

- A. ISE NAC is enabled
- B. 802.11r Fast Transition is enabled
- C. Client Exclusion is enabled
- D. FlexConnect Local Auth is disabled

Answer: D (LEAVE A REPLY)

local authentication, local switching—In this state, the FlexConnect access point handles client authentication and switches client data packets locally. This state is valid in standalone mode and connected mode.

NEW QUESTION: 140

For security purposes, an engineer enables CPU ACL and chooses an ACL on the Security > Access Control Lists > CPU Access Control Lists menu. Which kind of traffic does this change apply to, as soon as the change is made?

- A. wireless traffic only
- B. wireless and wired traffic
- C. VPN traffic
- D. wired traffic only

Answer: (SHOW ANSWER)

NEW QUESTION: 141

A customer is deploying local web authentication. Which software application must be implemented on Cisco ISE to utilize as a directory service?

- A. Solaris Directory Service
- B. LDAP
- C. SAML
- D. Novell eDirectory

Answer: B (LEAVE A REPLY)

when you want to Match Client Certificate Against Certificate In Identity Store. For this you must select an identity source (LDAP or Active Directory.)

NEW QUESTION: 142

Which configured is applied to prevent the network from a Layer 2 flooding of multicast frames with a seamless transfer of multicast data to the client when roaming from one controller to another?

- A. Enable IGMPv3 on the central Layer 3 switch.
- B. Enable IGMP snooping on the WLC
- C. Enable multicast mode on the WLC
- D. Create multicast groups on the central Layer 3 switch.

Answer: B (LEAVE A REPLY)

Explanation

https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONS

NEW QUESTION: 143

Refer to the exhibit.

```

(Cisco Controller) >
(Cisco Controller) >*EAP Framework: Jan 21 23:55:43.569: eap_fast.c-EVENT: New context (EAP handle = c4000000)
*EAP Framework: Jan 21 23:55:43.569: eap_fast.c-EVENT: Allocated new EAP-FAST context (handle = 37000000)
*EAP Framework: Jan 21 23:55:43.569: eap_fast_auth.c-AUTH-EVENT: Process Response (EAP handle = c4000000)
*EAP Framework: Jan 21 23:55:43.569: eap_fast_auth.c-AUTH-EVENT: Received Identity
*EAP Framework: Jan 21 23:55:43.569: eap_fast_tlv.c-AUTH-EVENT: Adding PAC A-ID TLV (436973636f0000000000000000000000)
*EAP Framework: Jan 21 23:55:43.569: eap_fast_auth.c-AUTH-EVENT: Sending Start
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-AUTH-EVENT: Process Response, type: 0x2b
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Process Response (EAP handle = c4000000)
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Received TLS record type: Handshake in state: Start
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Reading Client Hello handshake
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Ignoring unknown ext rec type: 10
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: Ignoring unknown ext rec type: 11
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: TLS_DHE_RSA_WITH_AES_128_CBC_SHA proposed...
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: TLS_RSA_WITH_AES_128_proposed...
*EAP Framework: Jan 21 23:55:43.586: eap_fast_auth.c-AUTH-EVENT: TLS_RSA_WITH_RC4_128_proposed...
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Proposed ciphersuite(s):
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 255
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 49188

*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 103
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 57
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: TLS_DHE_RSA_WITH_AES_128_CBC_SHA
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 22
*EAP Framework: Jan 21 23:55:43.586: eap_fast.c-EVENT: Unknown ciphersuite 61

*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: TLS_RSA_WITH_AES_128_CBC_SHA
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: Unknown ciphersuite 10
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: Unknown ciphersuite 49159
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: Unknown ciphersuite 49169
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: TLS_RSA_WITH_RC4_128_SHA
*EAP Framework: Jan 21 23:55:43.587: eap_fast.c-EVENT: Unknown ciphersuite 4
*EAP Framework: Jan 21 23:55:43.592: eap_fast.c-AUTH-EVENT: eap_fast_rx_packet(): EAP Fast NoData (0x2b)
*EAP Framework: Jan 21 23:55:43.592: eap_fast.c-AUTH-EVENT: Process Response, type: 0x2b
*EAP Framework: Jan 21 23:55:43.592: eap_fast_auth.c-AUTH-EVENT: Process Response (EAP handle = c4000000)
*EAP Framework: Jan 21 23:55:43.592: eap_fast_auth.c-AUTH-EVENT: Received ACK from peer
*EAP Framework: Jan 21 23:55:43.592: eap_fast.c-EVENT: Free context (EAP handle = c4000000)

```

An engineer deployed a Cisco WLC using local EAP. Users who are configured for EAP-PEAP cannot connect to the network. Based on the local EAP debug controller provided, why is the client unable to connect?

- A. The Cisco WLC is configured for the incorrect date.
- B. The user is using invalid credentials.
- C. The client is failing to accept certificate.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 144

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

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

Answer: (SHOW ANSWER)

Restrictions for Configuring Multicast DNS

- mDNS over IPv6 is not supported.
- mDNS snooping is not supported on access points in FlexConnect mode in a locally switched WLAN and mesh access points. multicast traffic including mDNS is simply bridged between the local VLAN and the SSID.
- mDNS is not supported on remote LANs.

NEW QUESTION: 145

The IT manager is asking the wireless team to get a report for all guest user associations during the past two weeks. In which two formats can Cisco Prime save this report? (Choose two.)

- A. CSV
- B. PDF

- C. XLS
- D. DOC
- E. plain text

Answer: A,B (LEAVE A REPLY)

Explanation/Reference: https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-2/user/guide/bk_CiscoPrimeInfrastructure_3_2_0_UserGuide/bk_CiscoPrimeInfrastructure_3_2_0_UserGuide_chapter_01010.html

NEW QUESTION: 146

An IT team is growing quickly and needs a solution for management device access. The solution must authenticate users from an external repository instead of the current local on the WLC, and it must also identify the user and determine what level of access users should have. Which protocol do you recommend to achieve these goals?

- A. network policy server
- B. RADIUS
- C. TACACS+
- D. LDAP

Answer: (SHOW ANSWER)

- Authentication of users who attempt to log in to the network equipment.
- Authorization to determine what level of access users should have.

https://www.cisco.com/c/en/us/td/docs/switches/lan/Denali_161/ConfigExamples_Technotes/Techzone_Articles/Example_and_Technotes_Denali_16_1_1/Example_and_Technotes_Denali_16_1_1_chapter_010110.pdf
<https://community.cisco.com/t5/wireless-mobility-documents/wlc-and-acx-5-x-tacacs-configuration-example-web-authentication/ta-p/3120681>

NEW QUESTION: 147

A wireless network engineer must present a list of all rogue APs with a high severity score to senior management. Which report must be created in Cisco Prime Infrastructure to provide this information?

- A. Rogue AP Events
- B. Rogue AP Count Summary
- C. New Rogue APs
- D. Rogue APs

Answer: A (LEAVE A REPLY)

NEW QUESTION: 148

An engineer is troubleshooting rogue access points that are showing up in Cisco Prime Infrastructure.

What is maximum number of APS the engineer can use to contain an identified rogue access point in the WLC?

- A. 4
- B. 5
- C. 3
- D. 6

Answer: A (LEAVE A REPLY)

NEW QUESTION: 149

In a Cisco WLAN deployment, it is required that all APs from branch 1 remain operational even if the control plane CAPWAP tunnel is down because of a WAN failure to headquarters.

Which operational mode must be configured on the APs?

- A. Standalone
- B. Connected
- C. Disconnected
- D. Lightweight

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 150

Which feature on the Cisco Wireless LAN Controller must be present to support dynamic VLAN mapping?

- A. FlexConnect ACL
- B. VLAN name override
- C. CCKM/OKC
- D. AAA override

Answer: D ([LEAVE A REPLY](#))

AAA overrides for FlexConnect access points introduce a dynamic VLAN assignment for locally switched clients.

NEW QUESTION: 151

An engineer is deploying a virtual MSE. The network has 3000 APs and needs 7000 IPS licenses.

To which size server does the engineer scale it?

- A. virtual
- B. low end
- C. standard
- D. high end

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 152

An engineer has implemented advanced location services for a retail wireless deployment. The marketing department wants to collect user demographic information in exchange for guest WLAN access and to have a customized portal per location hosted by the provider. Which social connector must be tied into Cisco CMX to provide this service?

- A. Gmail
- B. Facebook
- C. Google+
- D. MySpace

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 153

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

CISCO

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

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

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 154

An engineer has eight WLCs in a mobility group and must reduce the bandwidth consumed.

Which two configuration items achieve this result? (Choose two.)

- A. global unicast messaging
- B. mobility group multicast messaging
- C. mobility group unicast messaging
- D. global multicast mode
- E. global symmetric mobility messaging

Answer: B,E ([LEAVE A REPLY](#))

NEW QUESTION: 155

After looking in the logs, an engineer notices that RRM keeps changing the channels for non- IEEE 802. 11 interferers. After surveying the area, it has been decided that RRM should not change the channel. Which feature must be enabled to ignore non-802.11 interference?

- A. Avoid Cisco AP Load
- B. Avoid Persistent Non-WiFi Interference
- C. Avoid Foreign AP Interference
- D. Avoid Non-802.11 Noise

Answer: B (LEAVE A REPLY)

Check the Avoid Non-802.11a (802.11b) Noise check box to cause the controller's RRM algorithms to consider noise (non-802.11 traffic) in the channel when assigning channels to lightweight access points, or uncheck it to disable this feature. For example, RRM may have access points avoid channels with significant interference from nonaccess point sources, such as microwave ovens. The default value is selected.

Check the Avoid Persistent Non-WiFi Interference check box to configure the controller to stop ignoring persistent non-Wi-Fi interference in new channel calculation. The persistent non-Wi-Fi interference is considered during the metric calculation for channels.

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-6/config-guide/b_cg86/radio_resource_management.html

NEW QUESTION: 156

An engineer is configuring a new wireless network for guest access.

The Facebook page of the company must be viewed by the guest users before they get access to the network.

A Cisco MSE is used as a wireless component.

Which URL must be used in the configuration as the external redirection URL?

- A. <http://<MSE>:8084/vistor/login.do>
- B. <http://<MSE> 8083/visitor/login.do>
- C. <http://<MSE>:8083/fbwifi/forward>
- D. <http://<MSE>:8084/fbwifi/forward>

Answer: D (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/wireless/mse/8-0/CMX_Connect_Engage_Visitor_Connect/Guide/Cisco_CMX_Connect_Engage_Config_Guide_VC/CMX_Facebook_Wi-Fi.html

NEW QUESTION: 157

An engineer must configure Cisco OEAPs for three executives. As soon as the NAT address is configured on the management interface, it is noticed that the WLC is not responding for APs that are trying to associate to the internal IP management address.

Which command should be used to reconcile this?

- A. `config flexconnect office-extend nat-ip-only disable`
- B. `config network ap-discovery nap-ip-only enable`
- C. `config flexconnect office-extend nat-ip-only enable`
- D. `config network ap-discovery nat-ip-only disable`

Answer: D (LEAVE A REPLY)

<https://community.cisco.com/t5/wireless/office-extend-ap-and-external-addresses/td-p/3742395>

NEW QUESTION: 158

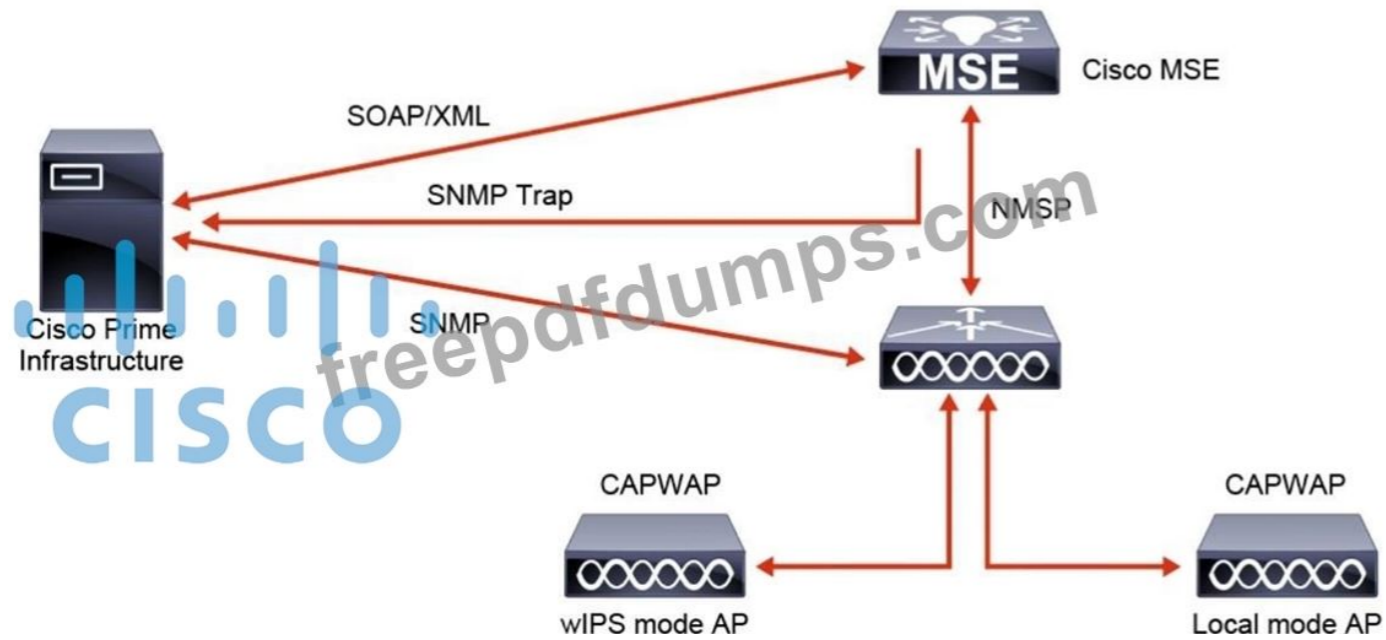
A new MSE with WIPS service has been installed and no alarm information appears to be reaching the MSE from controllers.

Which protocol must be allowed to reach the MSE from the controllers?

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

Answer: B (LEAVE A REPLY)

wIPS Protocols



NMSP (Network Mobility Services Protocol) - The protocol used for communication between Wireless LAN Controllers and the Mobility Services Engine. In the case of a wIPS Deployment, this protocol provides a pathway for alarm information to be aggregated from controllers to the MSE and for wIPS configuration information to be pushed to the controller. This protocol is encrypted.

https://www.cisco.com/c/en/us/td/docs/wireless/technology/wips/deployment/guide/WiPS_deploy ment_guide.html#pgfId-80073

NEW QUESTION: 159

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 (LEAVE A REPLY)

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: 160

An engineer is adding APs to an existing VoMLAN to allow for location based services. Which option will the primary change be to the network?

- A. moving to a bridging model
- B. cell overlap would decrease
- C. increased transmit power on all APs
- D. AP footprint
- E. triangulation of devices

Answer: (SHOW ANSWER)

NEW QUESTION: 161

When configuring a Cisco WLC, which CLI command adds a VLAN with VLAN ID of 30 to a FlexConnect group named BranchA-FCG?

- A. config flexconnect BranchA-FCG vlan 30 add
- B. config flexconnect group BranchA-FCG vlan add 30
- C. config flexconnect group BranchA-FCG vlan 30 add
- D. config flexconnect BranchA-FCG vlan add 30

Answer: B (LEAVE A REPLY)

To configure VLAN for a FlexConnect group, use the **config flexconnect group vlan** command.

```
config flexconnect group group_name vlan {add vlan-id acl in-aclname out-aclname | delete vlan-id}
```

NEW QUESTION: 162

```
AL-CORE#show mls qos map cos-dscp
Cos-dscp map:
  cos:   0   1   2   3   4   5   6   7
-----
  dscp:  0   8  16  24  32  45  48  56
```

Refer to the exhibit. Which COS to DSCP map must be modified to ensure that voice traffic is tagged correctly as it traverses the network?

- A. COS of 3 to DSCP 26
- B. COS of 6 to DSCP 46
- C. COS of 7 to DSCP 48
- D. COS of 5 to DSCP 46

Answer: D (LEAVE A REPLY)

NEW QUESTION: 163

An engineer configures a deployment to support:

Cisco CMX

licenses for at least 3000 APs

6000 wIPS licenses

The Cisco vMSE appliance must be sized for this deployment. Which Cisco vMSE Release 8 option must the engineer deploy?

- A. High-End vMSE
- B. Large vMSE
- C. Standard vMSE
- D. Low-End vMSE

Answer: A (LEAVE A REPLY)

NEW QUESTION: 164

What are two considerations when deploying a Cisco Hyperlocation? (Choose two.)

- A. If the Cisco CMX server is a VM, a high-end VM is needed for Cisco Hyperlocation deployments.
- B. The Cisco Hyperlocation feature must be enabled only on the wireless LAN controller.
- C. NTP configuration is available, but not recommended.
- D. After enabling Cisco Hyperlocation on Cisco CMX, the APs and the wireless LAN controller must be restarted.
- E. The Cisco Hyperlocation feature must be enabled on the wireless LAN controller and Cisco CMX.

Answer: A,E (LEAVE A REPLY)

NEW QUESTION: 165

An engineer manages a wireless network for an enterprise. The offices of the enterprise are in a multistory building with other companies. To avoid service loss of the wireless network, jamming devices must be monitored and an alert must be raised when one enters the airspace. Which two parameters must be configured for this alarm to happen? (Choose two.)

- A. Jammer is in the "Rogue Devices to Detect" multiple select box.
- B. Jammer is selected in the Rogue Policies.
- C. Clean Air is enabled.
- D. Air Quality Index Trap is enabled.
- E. Set the Cisco WLC to trap this type of device.

Answer: C,E (LEAVE A REPLY)

CleanAir is required as that enables the AP chipset to detect interference. Then in 9800 you go to Configuration --> Radio Configurations --> CleanAir --> Select Trap Configuration --> Move Jammer to the Interference Types to trap box.

NEW QUESTION: 166

Which customizable security report on Cisco Prime Infrastructure will show rogue APs detected since a point in time?

- A. Rogue APs Events
- B. Rogue APs Count Summary
- C. Network Summary
- D. New Rogue APs

Answer: D (LEAVE A REPLY)

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NEW QUESTION: 167

An engineer wants to configure WebEx to adjust the precedence and override the QoS profile on the WLAN.

Which configuration is needed to complete this task?

- A. Change the WLAN reserved bandwidth for WebEx
- B. Create an AVC profile for WebEx

C. Create an ACL for WebEx

D. Change the AVC application WebEx-app-sharing to mark

Answer: (SHOW ANSWER)

https://www.cisco.com/c/en/us/td/docs/wireless/controller/technotes/7-5/AVC_dg7point5.html



NEW QUESTION: 168

An engineer needs to provision certificates on a Cisco Catalyst 9800 Series Wireless Controller. The customer uses a third-party CA server. Which protocol must be used between the controller and CA server to request and install certificates?

- A. SSL
- B. LDAP
- C. SCEP
- D. TLS

Answer: C (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/wireless/controller/9800/config-guide/b_wl_16_10_cg/locally-significant-certificates.html

NEW QUESTION: 169

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: A (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Security/TrustSec_199/Dot1X_Deployment/Dot1x_Dep_Guide.html

NEW QUESTION: 170

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 (LEAVE A REPLY)

Explanation

<https://www.cisco.com/c/en/us/support/docs/wireless/4400-series-wireless-lan-controllers/98590-Per-User-ACL->

NEW QUESTION: 171

What is the difference between PIM sparse mode and PIM dense mode?

- A. Sparse mode supports only one switch. Dense mode supports multiswitch networks.
- B. Sparse mode floods. Dense mode uses distribution trees.
- C. Sparse mode uses distribution trees. Dense mode floods.
- D. Sparse mode supports multiswitch networks. Dense mode supports only one switch.

Answer: ([SHOW ANSWER](#))

Explanation

PIM dense mode (PIM-DM) uses a **push model to flood multicast** traffic

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipmulti_pim/configuration/xe-16/imc-pim-xe-16-book/imc-te

NEW QUESTION: 172

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?

Access Control Lists > Rules > New

Sequence	<input type="text"/>
Source	Any
Destination	Any
Protocol	Any
DSCP	Any
Direction	Any
Action	Inbound Outbound

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

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 173

Which two steps are needed to complete integration of the MSE to Cisco Prime Infrastructure and be able to track the location of clients/rogues on maps? (Choose two.)

- A. Synchronize access points with the MSE.
- B. Add the MSE to Cisco Prime Infrastructure using the CLI credentials.

- C. Add the MSE to Cisco Prime Infrastructure using the Cisco Prime Infrastructure communication credentials configured during set up.
- D. Apply a valid license for Wireless Intrusion Prevention System.
- E. Apply a valid license for location tracking.

Answer: C,E (LEAVE A REPLY)

Explanation

https://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/33/user/guide/bk_CiscoPrimeInfrastructur

NEW QUESTION: 174

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 (LEAVE A REPLY)

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-5/Enterprise-Mobility-8-5-Design-Guide/Enterprise_Mobility_8-5_Deployment_Guide/ch7_HREA.html#:~:text=FlexConnect%20VLAN%20Based%20Central%20Switching

NEW QUESTION: 175

An engineer must enable AVC on a Cisco Catalyst 9800 WLC and send the NetFlow data to a NetFlow collector. What must be configured on the controller with the IP address and port number of the NetFlow collector?

- A. flow exporter
- B. flow record
- C. flow monitor
- D. flow policy

Answer: (SHOW ANSWER)

NEW QUESTION: 176

An engineer is implementing a FlexConnect group for access points at a remote location using local switching but central DHCP. Which client feature becomes available only if this configuration is changed?

- A. multicast
- B. static IP
- C. fast roaming
- D. mDNS

Answer: (SHOW ANSWER)

• If the three attempts fail, the access point will fall back to the static IP and will reboot (only if the access point is configured with a static IP).

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-7/config-guide/b_cg87/flexconnect.html

NEW QUESTION: 177

What is the difference between PIM sparse mode and PIM dense mode?

- A. Sparse mode uses distribution trees. Dense mode floods.
- B. Sparse mode supports only one switch. Dense mode supports multiswitch networks.
- C. Sparse mode supports multiswitch networks. Dense mode supports only one switch.
- D. Sparse mode floods. Dense mode uses distribution trees.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 178

An engineer configures the wireless LAN controller to perform 802.1x user authentication. Which configuration must be enabled to ensure that client devices can connect to the wireless, even when WLC cannot communicate with the RADIUS?

- A. Cisco Centralized Key Management
- B. pre-authentication
- C. authentication caching
- D. local EAP

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 179

A network engineer needs to configure multicast in the network. The implementation will use multiple multicast groups and PIM routers. Which address provides automatic discovery of the best RP for each multicast group?

- A. 224.0.0.14
- B. 224.0.1.39
- C. 224.0.1.40
- D. 224.0.0.13

Answer: C ([LEAVE A REPLY](#))

224.0.1.39	cisco-rp-announce
224.0.1.40	cisco-rp-discovery

NEW QUESTION: 180

The IT manager is asking the wireless team to get a report for all guest user associations during the past two weeks. In which two formats can Cisco Prime save this report? (Choose two.)

- A. CSV
- B. PDF
- C. XLS
- D. DOC
- E. plain text

Answer: A,B ([LEAVE A REPLY](#))

Reports are saved in either **CSV or PDF** format and are either saved to a file on Prime Infrastructure for later download or emailed to a specific email address.

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