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QUESTION 1

A network administrator assists with the migration of a WLAN from a third-party vendor to Aruba in different locations throughout the country. In order to manage the solution from a central point, the network administrator decides to deploy redundant Mobility Masters (MMs) in a datacenter that are reachable through the Internet.

Since not all locations own public IP addresses, the security team is not able to configure strict firewall policies at the datacenter without disrupting some MM to Mobility Controller (MC) communications. They are also concerned about exposing the MMs to unauthorized inbound connection attempts.

What should the network administrator do to ensure the solution is functional and secure?

- A. Deploy an MC at the datacenter as a VPN concentrator.
- B. Block all ports to the MMs except UDP 500 and 4500.
- C. Install a PEFV license, and configure firewall policies that protect the MM.
- D. Block all inbound connections, and instruct the MM to initiate the connection to the MCs.

Correct Answer: C

QUESTION 2

Refer to the exhibits. Exhibit1

(MC1) (MDC) #show ap database

AP Database

Name	Group	AP Type	IP Address	Status	Flags	Switch IP	Standby IP
AP1	MainCampus-SC-B1	335	10.1.145.150	Up 4h:14m:10s	2l	10.1.140.100	10.1.140.101
AP12	CAMPUS	335	10.1.146.150	Up 13m:19s	2	10.1.140.100	10.1.140.101

Flags: 1 = 802.1x, authenticated AP use EAP-PEAP; 1+ = 802.1x use EST; 1.= 802.1x use factory cert; 2 = Using IKE version 2
 B = Built-in AP; C = Cellular RAP; D = Dirty or no config
 E = Regulatory Domain Mismatch; F = AP failed 802.1x authentication
 G = No such group; I = Inactive; J = USB cert at AP; L = Unlicensed
 M = Mesh node
 N = Duplicate name; P = PPPoE AP; R = Remote AP; R- = Remote AP requires Auth;
 S = Standby-mode AP; U = Unprovisioned; X = Maintenance Mode
 Y = Mesh Recovery
 c = CERT-based RAP; e = Custom EST cert; f = No Spectrum FFT support
 i = Indoor; o = Outdoor; s = LACP striping; u = Custom-cert RAP; z = Datazone AP

Total APs:2

Exhibit 2



(MC11) [mynode] #show ap database

AP Database

Name	Group	AP Type	IP Address	Status	Flags	Switch IP	Standby IP
70:3a:0e:cd:b0:a4	default	335	10.1.145.150	Down	2	10.254.13.14	0.0.0.0
a8:bd:27:c5:c3:3a	default	335	10.1.147.2	Down	2	10.254.13.14	0.0.0.0
AP12	CAMPUS	335	10.1.146.150	Up 21m:37s	2z	10.254.13.14	0.0.0.0

Based on outputs shown in the exhibits, what is the reason that AP12 is seen by two different controllers?

- A. AP12 connects to a high availability group. MC1 is the active controller, and MC11 is the standby controller.
- B. AP12 is a multizone AP. MC1 is part of the primary zone, and MC11 is part of the datazone.
- C. AP12 connects to an MC cluster. MC1 is the A-AAC, and MC2 is S-AAC.
- D. AP12 is in the middle of the boot process. MC1 is the master IP controller, and MC11 is the LMS IP controller.

Correct Answer: B

QUESTION 3

A company currently offers guest access with an open SSID and no authentication. A network administrator needs to integrate a web login page for visitors.

To accomplish this integration, the network administrator fully deploys a guest solution with self-registration in ClearPass, and defines the Mobility Controller (MC) as a RADIUS client. Then, the network administrator defines ClearPass as a RADIUS server and adds it into a server group in the MC.

Which two actions must the network administrator do next on the MC side to complete the deployment? (Select two.)

- A. Associate the captive portal profile to the initial role
- B. Define the web login URL and server group in a captive portal profile
- C. Associate the captive portal profile to the VAP profile
- D. Associate the captive portal to an AAA profile.
- E. Define the web login URL in a captive portal profile and the server group in an AAA profile.

Correct Answer: BD

QUESTION 4

Refer to the exhibit.



A user's laptop only operates in the 2.4 GHz band and supports 802.11n. This user reports that the network is slow at the cafeteria that is serviced by three APs, and suggests that there might be a problem with the WLAN. The network administrator finds the user in the MM, and obtains the output shown in the exhibit.

What should the network administrator do to optimize the client connection?

- A. Disable lower transmit rates in the SSID profile.
- B. Change the channel being used in the radio profile.
- C. Reduce Min/Max channel bandwidth in the radio profile.
- D. Reduce Min/Max EIRP in the ARM profile.

Correct Answer: A



QUESTION 5

A network administrator needs to deploy L2 Mobility Master (MM) redundancy. MM1 uses IP address

10.201.0.10 and MAC address 1c:98:ec:25:48:50, and MM2 uses IP address 10.201.0.20 and MAC 1c:98:ec:99:8a:80. Both run VRRP process with VRID 201.

Which configuration should the network administrator use to accomplish this task?

- A. /mm (MM1): database synchronize period 30 /mm/mynode (MM1): master-redundancy master-vrrp 201 peer-ip-address 10.201.0.20 ipsec key123 /mm/mynode (MM2): master-redundancy master-vrrp 201 peer-ip-address 10.201.0.10 ipsec key123
- B. /mm (MM1): master-redundancy master-vrrp 10 peer-ip-address 10.201.0.20 ipsec key123 database synchronize period 30 /mm/mynode (MM2): master-redundancy master-vrrp 201 peer-ip-address 10.201.0.10 ipsec key123
- C. /mm/mynode (MM1): master-redundancy master-vrrp 201 peer-ip-address 10.201.0.20 ipsec key123 database synchronize period 30 /mm/mynode (MM2): master-redundancy master-vrrp 201 peer-ip-address 10.201.0.20 ipsec key123 database synchronize period 30
- D. /mm (MM1): database synchronize period 30 /mm/mynode (MM1): master-redundancy master-vrrp 201 peer-ip-address 10.201.0.10 ipsec key123 /mm/mynode (MM2): master-redundancy master-vrrp 201 peer-ip-address 10.201.0.20 ipsec key123

Correct Answer: C

QUESTION 6

Refer to the exhibit.



New WLAN

General VLANs Security Access

More Secure
Enterprise
Personal
Open
Less Secure

Key management: WPA-2 Personal
Passphrase:
Retype:
MAC authentication: Enabled
Blacklisting: Disabled

General VLANs Security Access

Default role: logon
Mac authentication role: scanners
Show roles
(A48.01114361)

A company acquires ten barcode scanners to run inventory tasks. These Wifi devices support WPA2-PSK security only. The network administrator deploys a WLAN named scanners using the configuration shown in the exhibit.

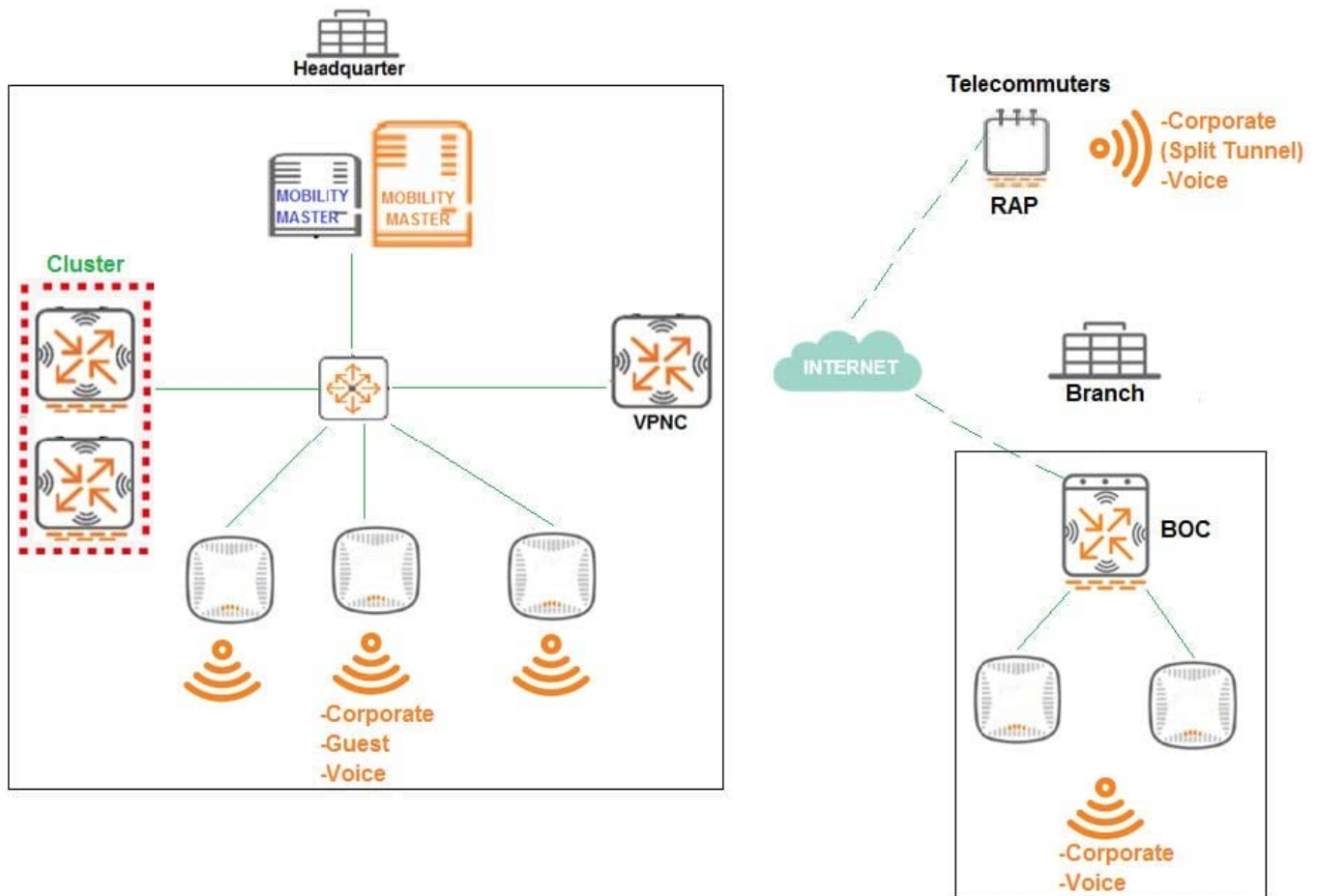
What must the network administrator do next to ensure that the scanner devices successfully connect to their SSID?

- A. Add scanner MAC addresses in user derivation rules.
- B. Add scanner MAC addresses in the internal database.
- C. Set internal as the MAC authentication server group.
- D. Enable L2 Authentication Fail Through.

Correct Answer: C

QUESTION 7

Refer to exhibit.



A company has a multiple Aruba implementation with three different locations named Headquarter, Branch, and Telecommuters.

The network design includes the following:

Headquarter APs terminate at the Mobility Controller (MC) cluster and propagate Corporate, Guest, and Voice SSIDs

Branch APs terminate at the Branch Office Controller (BOC) and propagate Corporate and Voice SSIDs

BOC reaches the Mobility Master (MM) through a VPNC.

Telecommuter RAPs terminate at VPNC and propagate Corporate and Voice SSIDs.

The Corporate SSID on the RAPs is split-tunnel, all other SSIDs are tunnel.

The network design requires minimal AP group and VAP configuration effort, while preventing unnecessary VAP propagation to lower hierarchy levels.

Following Aruba node hierarchy design recommendations, which group hierarchy design helps meet these requirements?



- A. /md /md/Corp1/ /md/Corp1/Offices /md/Corp1/Offices/Headquarter /md/Corp1/Offices/Branch /md/Corp1/Telecommuters /mm /mm/mynode
- B. /md /md/Headquarter /md/Branch /md/Telecommuters /mm /mm/mynode
- C. /mm /md/Locations /md/Locations/Headquarter /md/Locations/Branch /md/Locations/Telecommuters /mm /mm/mynode
- D. /md /md/Location1/ /md/Location1/Branch /mdLocation1/Offices /md/Location1/Offices/Headquarter /md/Location1/Telecommuters /mm /mm/mynode

Correct Answer: D

QUESTION 8

Refer to the exhibit.

(MC14-1) [MDC] #show iap table long

Trusted Branch Validation: Enabled
IAP Branch Table

Name	VC	MAC Address	Status	Inner IP	Assigned Subnet Tunnel End Points	Assigned Vlan	Key	Bid(Subnet Name)	
IAP-1	a8:bd:27:c5:c3:3a	UP	2.2.2.2	10.21.124.32/27	25	1f70772b01fdc02472357885f21393a9120e1823e154e98839	0(10.21.124.1-10.21.124.254,16), 0 (10.25.16.2-10.25.23.254,110:25)		
Total No of UP Branches		:1		Total No of DOWN Branches		:0		Total No of Branches	:1

A network administrator configures an Instant AP (IAP) to establish an Aruba IPsec tunnel across the Internet, and configures two DHCP pools for wireless users.

Based on the output shown in the exhibit, which device behaves as a DHCP server for the users?

- A. Mobility Master
- B. Mobility Controller
- C. External server
- D. DSL modem
- E. Virtual Controller

Correct Answer: B

QUESTION 9

A customer with a multi-controller network upgrades the ArubaOS from 6.4 to 8. The customer's clients must be able to



move between different locations of the campus without disconnecting their applications, when roaming or if there are Mobility Controller (MC) failures. The customer also wants to have full control of the users, and be able to change their session properties from a RADIUS server.

Which steps must the network consultant include in the implementation plan to meet these requirements?

A. 1. Create a controller cluster profile that contains the management and VRRP IP addresses of each member.

2.

Apply the profile to all MCs in the cluster.

3.

Confirm that the cluster is L2 connected.

B. 1. Configure a VRRP instance for all MCs

2.

Create a controller cluster profile that contains the management IP and VIP addresses of each MC.

3.

Apply the profile to all MCs in the cluster.

4.

Confirm that the cluster is L2 connected.

C. 1. Configure a VRRP instance for each MC.

2.

Create a controller cluster profile that contains the management IP of each member.

3.

Apply the profile to all MCs in the cluster.

4.

Confirm that the cluster is L3 connected.

D. 1. Create a controller cluster profile that contains the management and VRRP IP addresses of each member.

2.

Apply the profile to the cluster leader.

3.

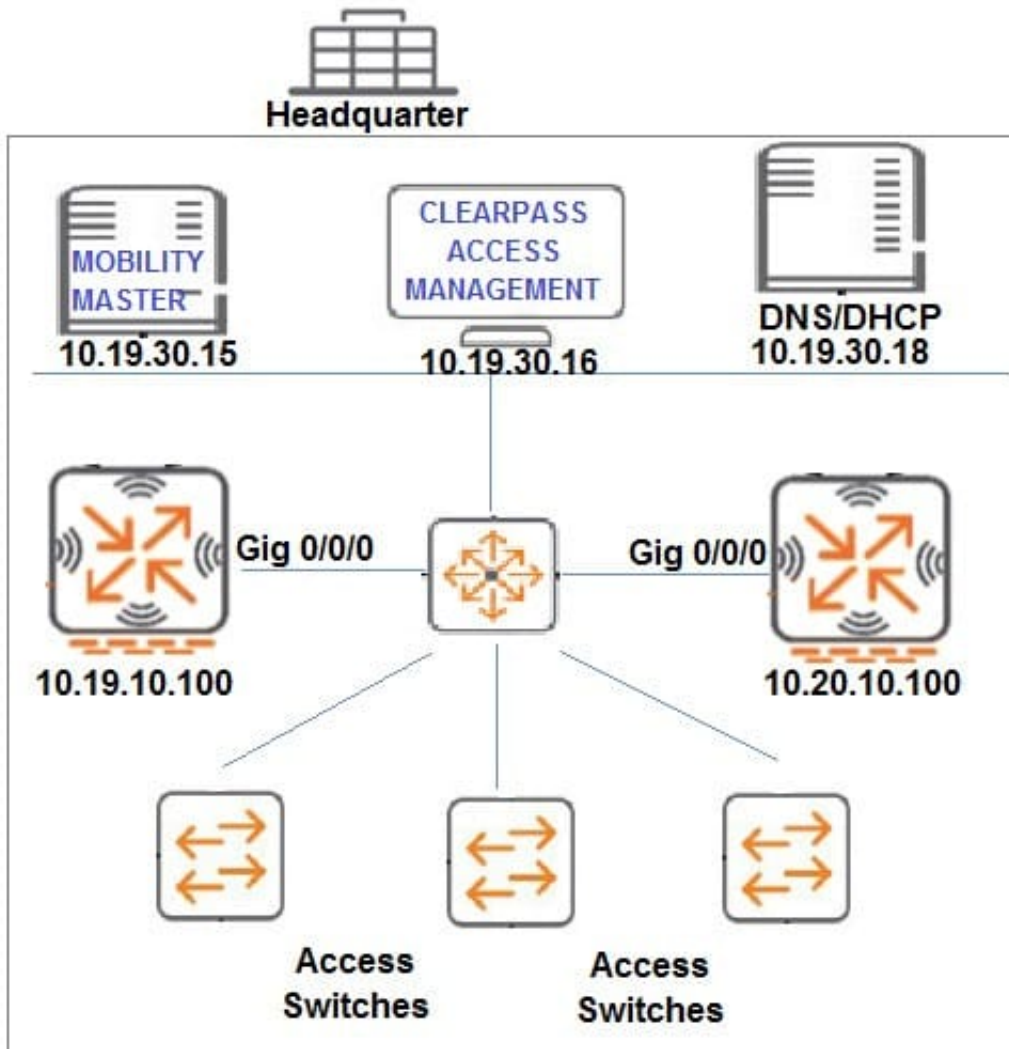
Confirm that the cluster is L2 connected.

Correct Answer: D



QUESTION 10

Refer to the exhibit.



A network administrator is in charge of a wired and wireless Aruba network where access control is needed for both connection methods. For the wired solution, the network administrator wants the users authentication to be performed at the switches, while tunneling their traffic to MC1 whenever possible for firewall policy enforcement. The network administrator configures and tests ClearPass as the RADIUS server in the switches.

Which switch configuration scripts should the network administrator use next to achieve this goal?

- A. `tunneled-node-server controller-ip 10.19.10.100 backup-controller-ip 10.20.10.100 mode role-based aaa authentication port-access eap-radius aaa port-access authenticator 1-22 aaa port-access authenticator active`
- B. `tunneled-node-server controller-ip 10.20.10.100 backup-controller-ip 10.19.10.100 mode port-based aaa authentication port-access eap-radius aaa port-access authenticator 1-22 aaa port-access authenticator active`
- C. `tunneled-node-server controller-ip 10.20.10.100 backup-controller-ip 10.19.10.100 aaa authentication port-access eap-radius aaa port-access authenticator 1-22 aaa port-access authenticator active`
- D. `tunneled-node-server controller-ip 10.19.10.100 backup-controller-ip 10.20.10.100 aaa authentication port-access eap-radius aaa port-access authenticator 1-22 aaa port-access authenticator active`



Correct Answer: C

QUESTION 11

Refer to the exhibit.

(MC14-1) #show ap database | exclude =

AP Database

Name	Group	AP Type	IP Address	Status	Flags	Switch IP	Standby IP
70:3a:0e:cd:b0:a4	default	335	10.1.145.150	Up 3m:4s	IL	10.1.140.100	0.0.0.0
70:3a:0e:cd:b0:ac	default	335	10.1.146.150	Up 3m:12s	IL	10.1.140.100	0.0.0.0

Total APs:2

(MC14-1) #

(MC14-1) #show license client-table

Built-in limit: 0

License Client Table

Service Type	System Limit	Server Lic.	Used Lic.	Remaining Lic.	FeatureBit
Access Points	64	7	0	7	enabled
Next Generation Policy Enforcement Firewall Module	64	7	0	7	enabled
RF Protect	64	7	0	7	enabled
Advanced Cryptography	4096	0	0	0	disabled
WebCC	64	0	0	0	disabled
MM-VA	65	0	1	0	enabled
MC-VA-RW	64	0	0	0	disabled
MC-VA-EG	64	0	0	0	disabled
MC-VA-IL	64	0	0	0	disabled
MC-VA-JP	64	0	0	0	disabled
MC-VA-US	64	0	0	0	disabled
VIA	4096	0	0	0	disabled

(MC14-1) #

(MC14-1) #show version | include Aruba

Aruba Operating System Software.

ArubaOS (MODEL: Aruba7030-US), Version 8.2.1.0

(MC14-1) #

A network engineer configures some VAPs in customer groups and creates a pool of licenses with enough units for seven APs. The network engineer deploys the first two APs, looks at the ap database, and notices the APs are inactive and experience licensing-related issues.

Based on the show command outputs shown in the exhibit, what must the engineer do to solve the problem?

- A. Allocate two more MM-VA licenses to the pool.
- B. Allocate two more MC-VA-US licenses to the pool.



C. Allocate seven more MM-VA licenses to the pool.

D. Allocate seven more MC-VA-US licenses to the pool.

Correct Answer: A

QUESTION 12

Refer to the exhibit.

(MM) [mynode] #show airmatch event all-events ap-name AP2

Band	Event Type	Radio	Timestamp	Chan	CBW	New Chan	New CBW	APName
5GHz	RADAR_DETECT	38:17:c3:10:17:30	2018-07-25_07:50:05	100	80MHz	149	80MHz	AP2
6GHz	NOISE_DETECT	38:17:c3:10:17:30	2018-07-24_07:48:42	124	80MHz	100	80MHz	AP2
5GHz	RADAR_DETECT	38:17:c3:10:17:30	2018-07-23_16:44:36	100	80MHz	124	80MHz	AP2
5GHz	NOISE_DETECT	38:17:c3:10:17:30	2018-07-20_19:12:34	157	80MHz	100	80MHz	AP2
5GHz	RADAR_DETECT	38:17:c3:10:17:30	2018-07-20_10:02:30	100	80 MHz	157	80MHz	AP2
5GHz	RADAR_DETECT	38:17:c3:10:17:30	2018-07-20_08:34:31	56	80 MHz	100	80MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-25_08:31:31	11	20MHz	6	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-25_08:31:31	6	20MHz	1	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-24_07:46:34	1	20MHz	11	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-24_07:46:33	6	20MHz	1	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-23_15:13:15	11	20MHz	6	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-23_15:12:12	1	20MHz	11	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-20_08:07:27	11	20MHz	1	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-20_08:07:26	6	20MHz	11	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-19_19:22:45	1	20MHz	6	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-19_19:22:44	11	20MHz	1	20MHz	AP2
2GHz	RADAR_DETECT	38:17:c3:10:17:40	2018-07-19_10:45:23	1	20MHz	11	20MHz	AP2

A network administrator deploys a Mobility Master (MM)-Mobility Controller (MC) network with APs in different locations. Users in one of the locations report that the WiFi network works fine for several hours, and then they are suddenly disconnected. The symptom may happen at any time, up to three times every day, and lasts no more than two minutes.

After some research, the network administrator logs into the MM and reviews the output shown in the exhibit.

Based on this information, the network administrator logs into the MM and reviews the output shown in the exhibit.

Based on this information, what is the most likely reason users get disconnected?

- A. AirMatch is applying a scheduled optimization solution.
- B. Users in the 2.4 GHz band are being affected by high interference.
- C. Adaptive Radio Management is reacting to RF events.
- D. AirMatch is reacting to non-scheduled RF events.

Correct Answer: B



QUESTION 13

A bank deploys an Aruba Mobility Master (MM)-Mobility Controller (MC) solution to provide wireless access for users that run different applications on their laptops, including SIP-based IP telephony. When users only run the IP telephony software, call quality is high. However, if users also run email, web, or mission critical applications, then voice quality drops.

Which feature would help improve the quality of voice calls over the air when users run different applications?

- A. DSCP for IPv4 traffic
- B. WiFi Multi Media
- C. Type of Service
- D. High/Low Queue

Correct Answer: A

QUESTION 14

Refer to the exhibit.

```
(MC1) [MDC] #show ip access-list no-webapps
```

```
ip access-list session no-webapps
no-webapps
```

Priority	Source	Destination	Service	Application	Action	TimeRange	Log	Expired	Queue	TOS	8021P	Blacklist	Mirror	DisScan	IPv4/6	Contract
1	user	any		app facebook	deny send-deny-response					Low						4
2	user	any		app youtube	deny send-deny-response					Low						4
1	user	any		app netflix	deny send-deny-response					Low						4

A network administrator completes the initial configuration dialog of the Mobility Controllers (MCs) and they join the Mobility Master (MM) for the first time. After the MM-MC association process, the network administrator only creates AP groups, VAPs, and roles. Next, the network administrator proceeds with the configuration of the policies and creates the policy shown in the exhibit.

Which additional steps must be done to make sure this configuration takes effect over the contractor users?

- A. Apply the policy in the contractors user role. Enable deep packet inspection.
- B. Apply the policy in the contractors user role. Enable deep packet inspection. Reload the MCs.
- C. Enable the firewall visibility. Enable web-content classification Reload the MCs.
- D. Enable firewall visibility Enable web-content classification Reload the MMs.

Correct Answer: A

QUESTION 15

A network administrator implements a SIP-based IP telephone solution. The objective is to ensure that APs use 100% of



their airtime for network access whenever a voice call is taking place, to minimize communication delays. The network administrator also wants to ensure that a log entry is generated when voice calls occur.

Which setup accomplishes these tasks?

- A. ip access-list session voice user any svc-rtsp permit log queue high user any svc-sip-udp permit log queue high
- B. ip access-list session voice user any-svc-rtsp permit disable-scanning log user any svc-sip-udp permit disable-scanning log
- C. ip access-list session voice user any svc-rtsp permit log dot1p-priority 7 user any svc-sip-udp permit log dot1p-priority 7
- D. ip access-list session voice user any svc-rtsp permit log tos 56 user any svc-sip-udp permit log tos 56

Correct Answer: C

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