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QUESTION 1

A joint venture between two companies results in a fully functional WLAN Aruba solution. The network administrator uses the following script to integrate the WLAN solution with two radius servers, radius1 and radius2.

```
aaa authentication-server radius radius1
   host 10.254.1.1
   key key111
!
aaa authentication-server radius radius2
   host 10.20.2.2
   key key222
!
aaa server-group group-corp
auth-server radius1

aaa profile aaa-corp
authentication-dot1x authenticated
dot1x-server-group group-corp
!
wlan ssid-profile ssid-corp
essid corp
opmode wpa2-aes
!
wlan virtual-ap vap-corp
aaa-profile aaa-corp
ssid-profile ssid-corp
!
ap-group building1
virtual-ap vap-corp
```

While all users authenticate with username@domainname.com type of credentials, radius1 has user accounts with the domain name portion. Which additional configuration is required to authenticate corp1.com users with radius1 and corp2 users with radius2?

A.

```
aaa authentication-server radius radius1
trim-fqdn
!
aaa server-group-corp
 auth-server radius1 match-domain corp1.com
 auth-server radius1 match-domain corp2.com
```

B.

```
aaa authentication-server radius radius1
 trim-fqdn
!
aaa server-group-corp
 auth-server radius1 match-authstring corp1.com
 auth-server radius1 match-authstring corp2.com
```

C.

```
aaa authentication-server radius radius1
!
aaa server-group-corp
 auth-server radius1 match-string corp1.com trim-fqdn
 auth-server radius1 match-string corp2.com
```

D.

```
aaa server-group-corp
 auth-server radius1 match-fqdn corp1.com
 auth-server radius1 trim-fqdn
 auth-server radius2 match-fqdn corp2.com
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 2

Refer to the exhibit.

```
(MM1) [md] #show switches

All switches
------------
IP Address      IPv6 Address  Name  Location          Type     Mode        Version        Status  Configuration State     Config Sync Time (sec)  Confi
g ID
----------      ------------  ----  --------          ----     ----        -------        ------  --------------------    ----------------------  -----
----
10.254.10.14    None          MM1   Building1.floor1  master   ArubaMM-VA  8.2.1.0_64044  up      UPDATE SUCCESSFUL       0                       415
10.254.10.114   None          MM2   Building1.floor1  standby  ArubaMM-VA  8.2.1.0_64044  up      UPDATE SUCCESSFUL       0                       415
10.1.140.100    None          MC1   Building1.floor1  MD       Aruba7030   8.2.1.0_64044  up      UNK(xx:xx:xx:xx:xx:xx)  N/A                     N/A

Total Switches:3
(MM1) [md] #
```

A network administrator adds a Mobility Controller (MC) in the /mm level and notices that the device does not show up in the managed networks hierarchy. The network administrator accesses the CLI. executes the show switches command, and obtains the output shown in the exhibit.

What is the reason that the MC does not appear as a managed device in the hierarchy?

A. The network administrator added the device using the wrong Pre-Shared Key (PSK).

B. The network administrator has not moved the device into a group yet.

C. The digital certificate of the MC is not trusted by the MM.

D. The IP address of the MC does not match the one that was defined in the MM.

Correct Answer: D

QUESTION 3

A company with 50 small coffee shops in a single country requires a single mobility solution that solves connectivity needs at both the main office and branch locations. Coffee shops must be provisioned with local WiFi internet access for customers.

The shops must also have a private WLAN that offers communication to resources at the main office to upload sales, request supplies through a computer system, and make phone calls if needed. In order to simplify network operations, network devices at the coffee shops should be cloud managed.

Which technologies best meet the company needs at the lowest cost?

A. IAP VPN

B. SD-Branch

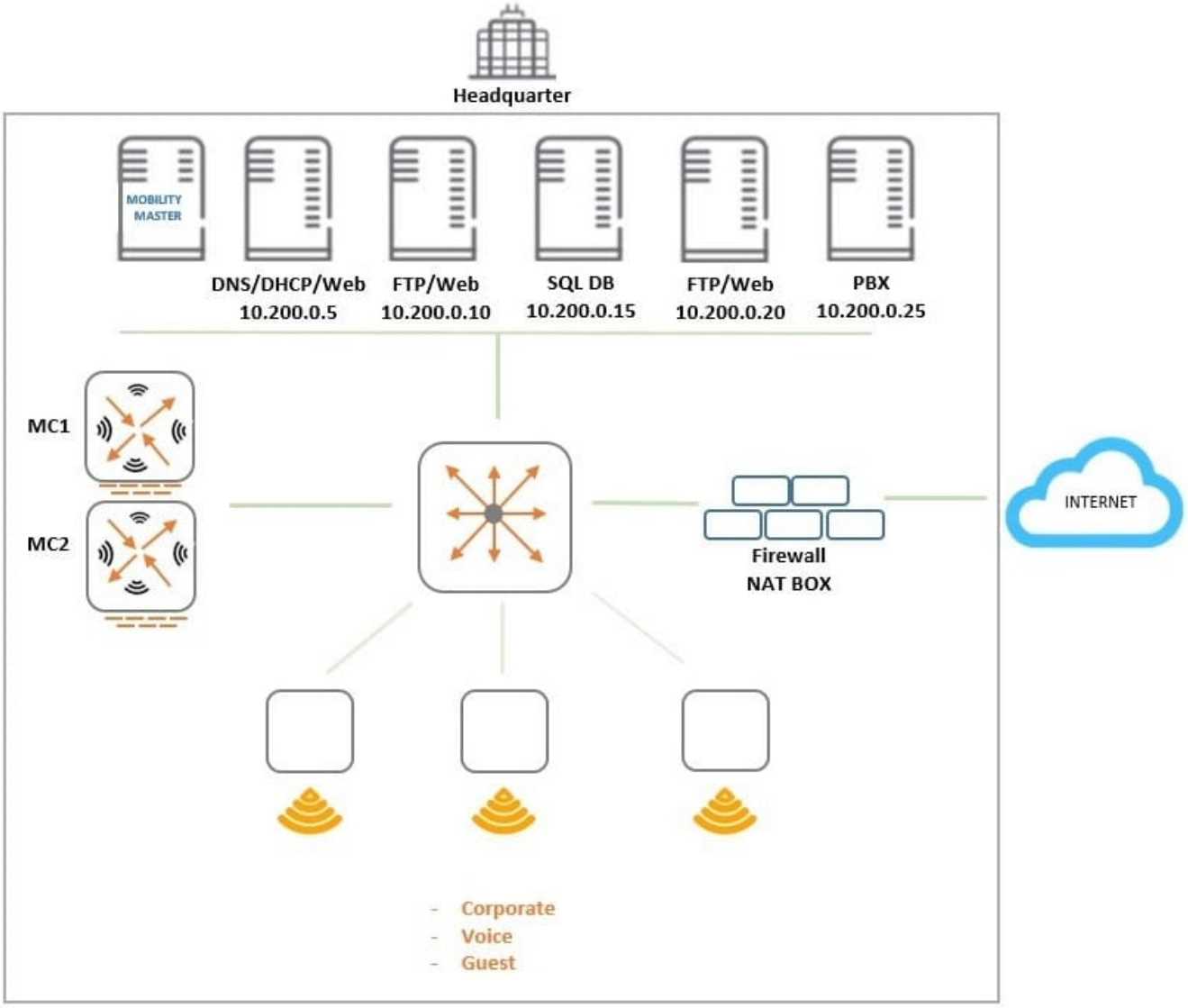
C. Activate with RAPs

D. BOC with CAPs

Correct Answer: B

QUESTION 4

Refer to the exhibit.



An organization provides WiFi access through a corporate SSID with an Aruba Mobility Master (MM) - Mobility Controller (MC) network that includes PEF functions. The organization wants to have a single firewall policy configured and applied

to the employee role.

This policy must allow users to reach Web, FTP, and DNS services, as shown in the exhibit. Other services should be exclusive to other roles. The client NICs should receive IP settings dynamically.

Which policy design meets the organization\\'s requirements while minimizing the number of policy rules?

A.

```
netdestination alias1
   host 10.200.0.5
   host 10.200.0.10
   host 10.200.0.20

netdestination alias2
   host 10.200.0.10
   host 10.200.0.20

ip access-list session policy1
   user host 10.200.0.5 svc-dns permit
   user alias alias1 svc-http permit
   user alias alias2 svc-ftp permit
```

B.

```
netdestination alias1
   host 10.200.0.10
   host 10.200.0.20

ip access-list session policy1
   any any svc-dhcp permit
   user host 10.200.0.5 svc-dns permit
   user host 10.200.0.5 svc-http permit
   user alias alias1 svc-http permit
   user alias alias1 svc-ftp permit
```

C.

```
netdestination alias1
   host 10.200.0.5
   host 10.200.0.10
   host 10.200.0.20

netdestination alias2
   host 10.200.0.10
   host 10.200.0.20

ip access-list session policy1
   any any svc-dhcp permit
   user host 10.200.0.5 svc-dns permit
   user alias alias1 svc-http permit
   user alias alias2 svc-ftp permit
```

D.

```
netdestination alias1
   host 10.200.0.10
   host 10.200.0.20

ip access-list session policy1
   user host 10.200.0.5 svc-dns permit
   user host 10.200.0.5 svc-http permit
   user alias alias1 svc-http permit
   user alias alias1 svc-ftp permit
```

A. Option A

B. Option B

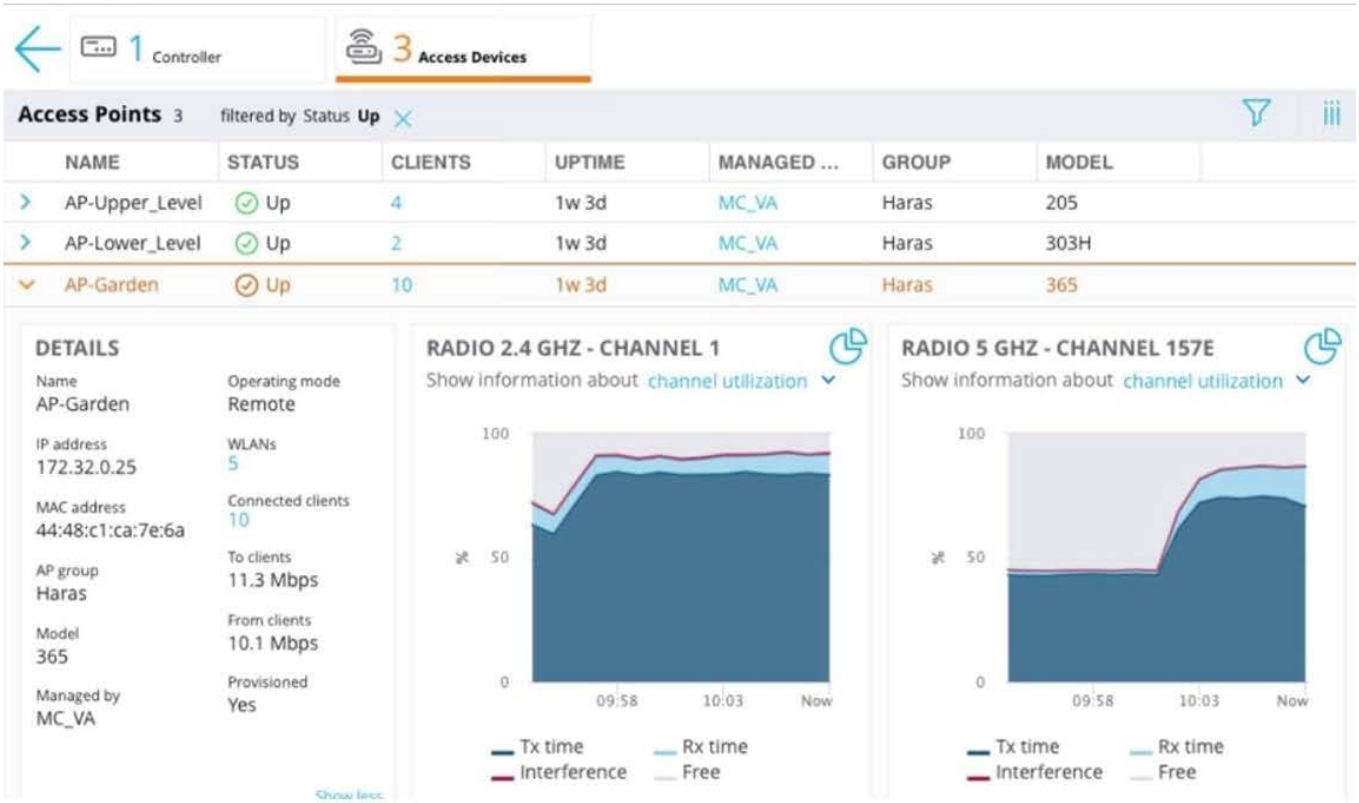
C. Option C

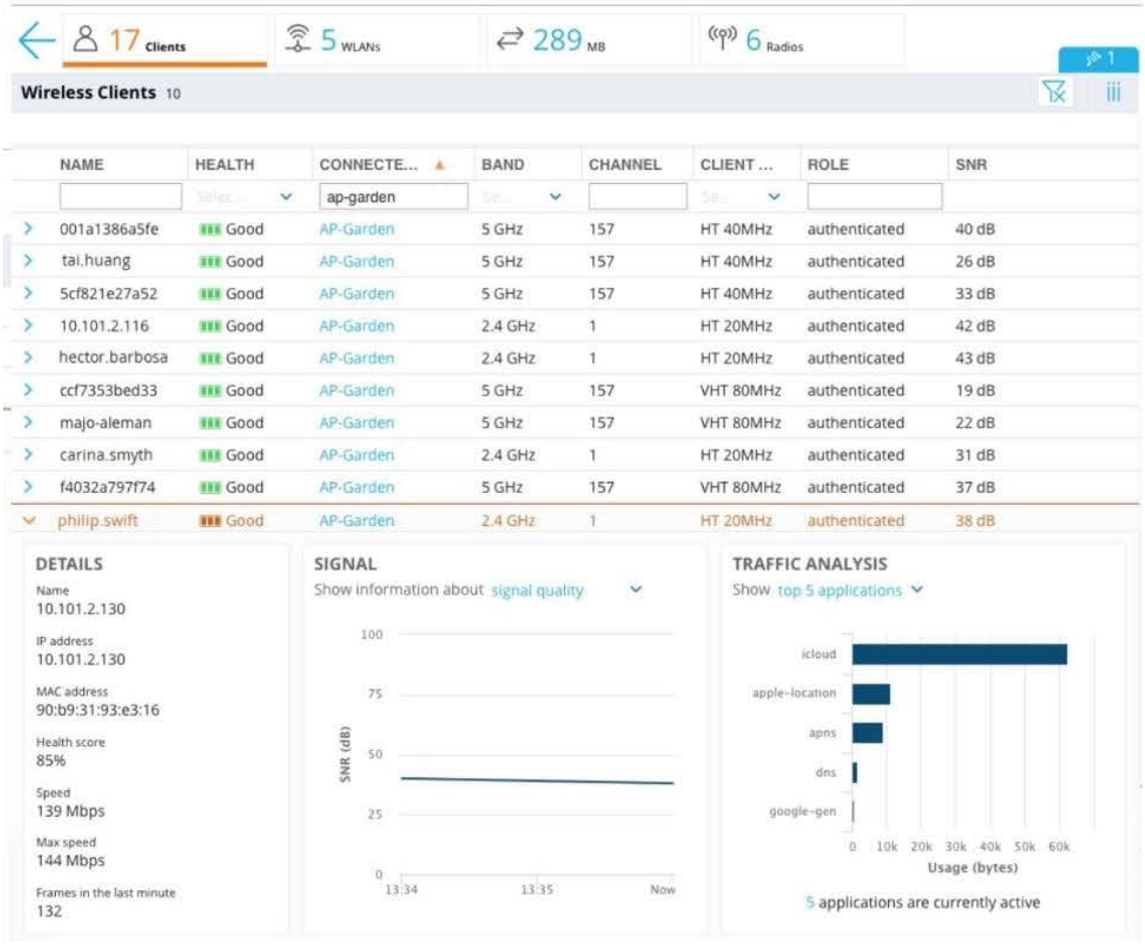
D. Option D

Correct Answer: C

QUESTION 5

Refer to the exhibits.


1 Controller
3 Access Devices
Access Points 3
filtered by Status Up
NAME STATUS CLIENTS UPTIME MANAGED ... GROUP MODEL
AP-Upper_Level Up 4 1w 3d MC_VA Haras 205
AP-Lower_Level Up 2 1w 3d MC_VA Haras 303H
AP-Garden Up 10 1w 3d MC_VA Haras 365
DETAILS
Name AP-Garden
Operating mode Remote
IP address 172.32.0.25
WLANs 5
MAC address 44:48:c1:ca:7e:6a
Connected clients 10
AP group Haras
To clients 11.3 Mbps
Model 365
From clients 10.1 Mbps
Managed by MC_VA
Provisioned Yes
RADIO 2.4 GHZ - CHANNEL 1
Show information about channel utilization
RADIO 5 GHZ - CHANNEL 157E
Show information about channel utilization
100
50
0
09:58
10:03
Now
Tx time
Rx time
Interference
Free


17 Clients
5 WLANs
289 MB
6 Radios
Wireless Clients 10
NAME HEALTH CONNECTE... BAND CHANNEL CLIENT ... ROLE SNR
ap-garden
001a1386a5fe Good AP-Garden 5 GHz 157 HT 40MHz authenticated 40 dB
tai.huang Good AP-Garden 5 GHz 157 HT 40MHz authenticated 26 dB
5cf821e27a52 Good AP-Garden 5 GHz 157 HT 40MHz authenticated 33 dB
10.101.2.116 Good AP-Garden 2.4 GHz 1 HT 20MHz authenticated 42 dB
hector.barbosa Good AP-Garden 2.4 GHz 1 HT 20MHz authenticated 43 dB
ccf7353bed33 Good AP-Garden 5 GHz 157 VHT 80MHz authenticated 19 dB
majo-aleman Good AP-Garden 5 GHz 157 VHT 80MHz authenticated 22 dB
carina.smyth Good AP-Garden 2.4 GHz 1 HT 20MHz authenticated 31 dB
f4032a797f74 Good AP-Garden 5 GHz 157 VHT 80MHz authenticated 37 dB
philip.swift Good AP-Garden 2.4 GHz 1 HT 20MHz authenticated 38 dB
DETAILS
Name 10.101.2.130
IP address 10.101.2.130
MAC address 90:b9:31:93:e3:16
Health score 85%
Speed 139 Mbps
Max speed 144 Mbps
Frames in the last minute 132
SIGNAL
Show information about signal quality
SNR (dB)
100
75
50
25
0
13:34
13:35
Now
TRAFFIC ANALYSIS
Show top 5 applications
icloud
apple-location
apns
dns
google-gen
0 10k 20k 30k 40k 50k 60k
Usage (bytes)
5 applications are currently active

A user reports slow connectivity to a network administrator when connecting to AP-Garden and suggests that there might be a problem with the WLAN. The user\\'s device supports 802.11n in the 2.4 GHz band. The network administrator finds the user in the Mobility Master (MM) and reviews the output shown in the exhibit.

What can the network administrator conclude after analyzing the data?

A. 2.4Ghz band is currently congested, therefore a NIC upgrade to 802.11ac or higher is recommended so the user can move to 5Ghz.

B. Channel usage is high and though this device has high speed the overall client rate is low on AP-Garden, there could be a few clients monopolizing the airtime on both bands at low speeds.

C. User\\'s SNR value over time is lower than recommended, therefore he should either get closer to the Access Point or increase the transmit power.

D. 365s are low cost outdoor APs recommended for coverage design only. AP-Garden currently has more clients than recommended and is getting congested.

Correct Answer: D

QUESTION 6

Refer to the exhibit.

```
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_request.c:67] Add Request: id=45, server=ClearPass, IP=10.254.1.23, server-group=Employee,
 fd=63
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2367] Sending radius request to ClearPass:10.254.1.23:1812 id:45, len:260
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  User-Name: contractor12
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  NAS-IP-Address: 10.254.13.14
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  NAS-Port-Id: 0
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  NAS-Identifier: 10.254.13.14
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  NAS-Port-Type: Wireless-IEEE802.11
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  Calling-Station-Id: 60BE9A910FT8
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  Called-Station-Id: 446468O7DE4G
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  Service-Type: Framed User
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  Framed MTU: 1100
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  EAP-Message: \002\012
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  State: AGcATgBnAKj9IQQAkgYQj1ulavmnP5/OVnaOFQ==
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  Aruba-Essid-Name: EmployeesNet
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  Aruba-Location-Id: AP22
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  Aruba-AP-Group: CAMPUS
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2381]  Aruba-Device-Type: (VSA with invalid length - Don't send it)
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:2383]  Message-Auth: \487e\326\445\540\318/f\789\416\110\874\4482\612
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:95]  Find Request: id=45, server=(null), IP=10.254.1.23, server-group=(null) fd=63
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:104] Current entry: server=(null), IP=10.254.1.23, server-group=(null), fd=63
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:48]  Del Request: id=45, server=ClearPass, IP=10.254.1.23, server-group=Employee,
fd=63
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1228] Authentication Successful
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1230] RADIUS RESPONSE ATTRIBUTES:
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  {Aruba} Aruba-User-Role: contractor
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  {Microsoft} MS-MPPE-Recv-Key: \640\510\973>J\644\238n\421\789\252iP\612\439|K
\0551\898h\354\519\733Fe0\450\739(\456\152="c\217bR\794\777\649\147\682\400\118\493y\452\731(
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  {Microsoft} MS-MPPE-Send-Key: \641\486\489\011\605\784\064h\027\3824\677\723\
884 \375o\446 \398\453
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  EAP-Message: \003\012
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  Message-Auth: z\498XS\330\480\512\383\498\711
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  User-Name: contractor12
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  Class: \202\005\456)\123\789C\056\2578#\876\041\579"\656\741\081
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  PW_RADIUS_ID: -
Jun 23 21:28:17 :121031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  Rad-Length: 250
Jun 23 21:28:17 :124031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  PW_RADIUS_CODE: \002
Jun 23 21:28:17 :124031:  <5533> <DBUG> |authmgr| |aaa| [rc_server.c:1245]  PW_RAD_AUTHENTICATOR: PN\495\591\685$\211\481\982G\363RD\261\696\025
Jun 23 21:28:17 :124003:  <5533> <INFO> |authmgr| Authentication result= Authentication Successful(0), method=802.1x, server=ClearPass, user=xx:xx:xx:
xx:xx:xx
```

A network administrator wants to allow contractors to access the WLAN named EmployeesNet. In order to restrict network access, the network administrator wants to assign this category of users to the contractor user role. To do this, the

network administrator configures ClearPass in a way that it returns the Aruba-User-Role with the contractor value.

When testing the solution, the network administrator receives the wrong role.

What should the network administrator do to assign the contractor role to contractor users without affecting any other

role assignment?

A. Check the Download role from the CPPM option in the AAA profile.

B. Set contractor as the default role in the AAA profile.

C. Create Contractor firewall role in the M.

D. Create server deviation rules in the server group.

Correct Answer: A

Reference: https://www.arubanetworks.com/techdocs/ClearPass/6.7/Aruba_DeployGd_HTML/Content/Aruba%20Controller%20Configuration/AAA_profile_adding.htm

QUESTION 7

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	xx:xx:xx:xx:xx:xx	2018-07-25_07:50:05	100	80MHz	149	80MHz	AP2
5GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-24_07:48:42	124	80MHz	100	80MHz	AP2
5GHz	RADAR_DETECT	xx:xx:xx:xx:xx:xx	2018-07-23_16:44:36	100	80MHz	124	80MHz	AP2
5GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-20_19:12:34	157	80MHz	100	80MHz	AP2
5GHz	RADAR_DETECT	xx:xx:xx:xx:xx:xx	2018-07-20_10:02:30	100	80MHz	157	80MHz	AP2
5GHz	RADAR_DETECT	xx:xx:xx:xx:xx:xx	2018-07-20_08:34:31	56	80MHz	100	80MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-25_08:31:31	11	20MHz	6	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-25_08:31:31	6	20MHz	1	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-24_07:46:34	1	20MHz	11	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-24_07:46:33	6	20MHz	1	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-23_15:13:15	11	20MHz	6	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-23_15:12:12	1	20MHz	11	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-20_08:07:27	11	20MHz	1	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-20_08:07:26	6	20MHz	11	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-19_19:22:45	1	20MHz	6	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	2018-07-19_19:22:44	11	20MHz	1	20MHz	AP2
2GHz	NOISE_DETECT	xx:xx:xx:xx:xx:xx	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. This 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, what is the most likely reason users get disconnected?

A. Adaptive Radio Management is reacting to RF events.

B. AirMatch is applying a scheduled optimization solution.

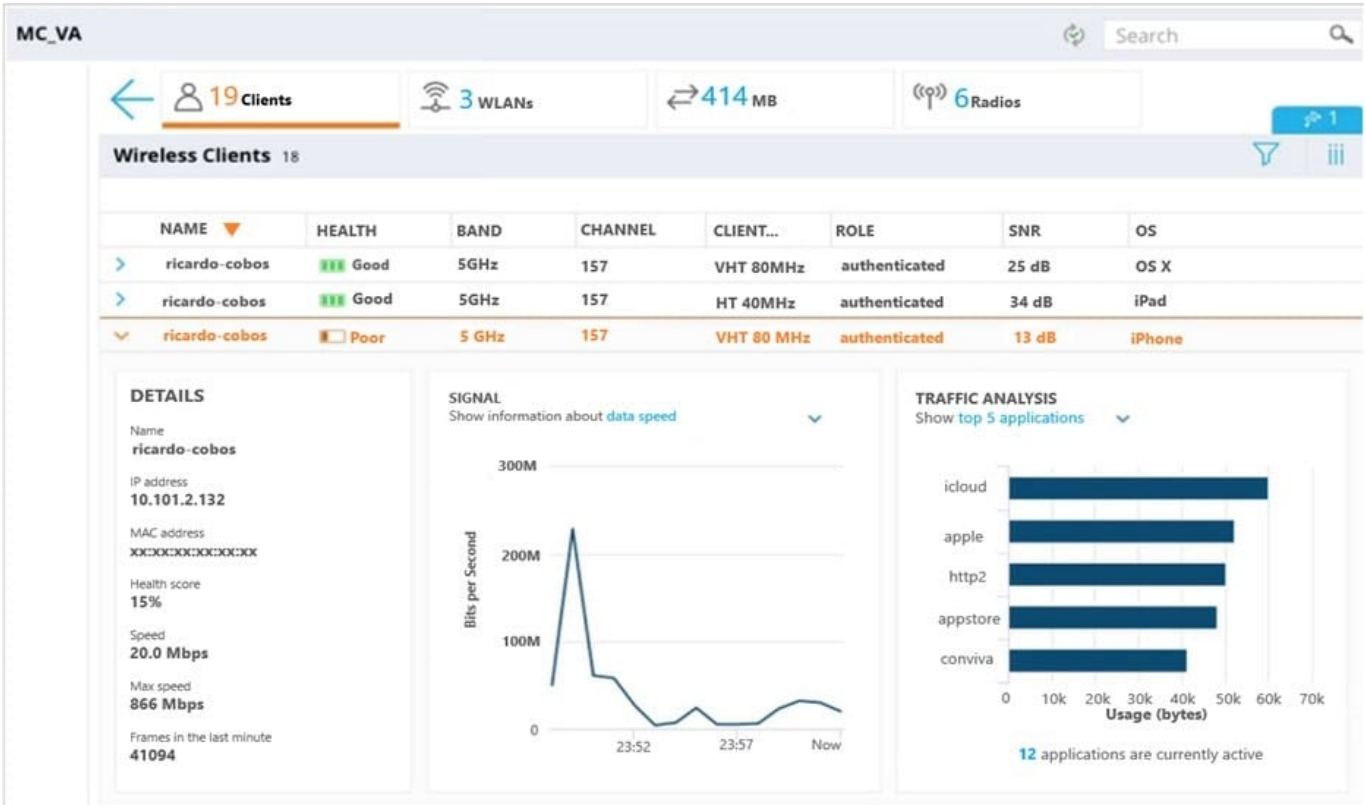
C. Users in the 2.4 GHz band are being affected by high interference.

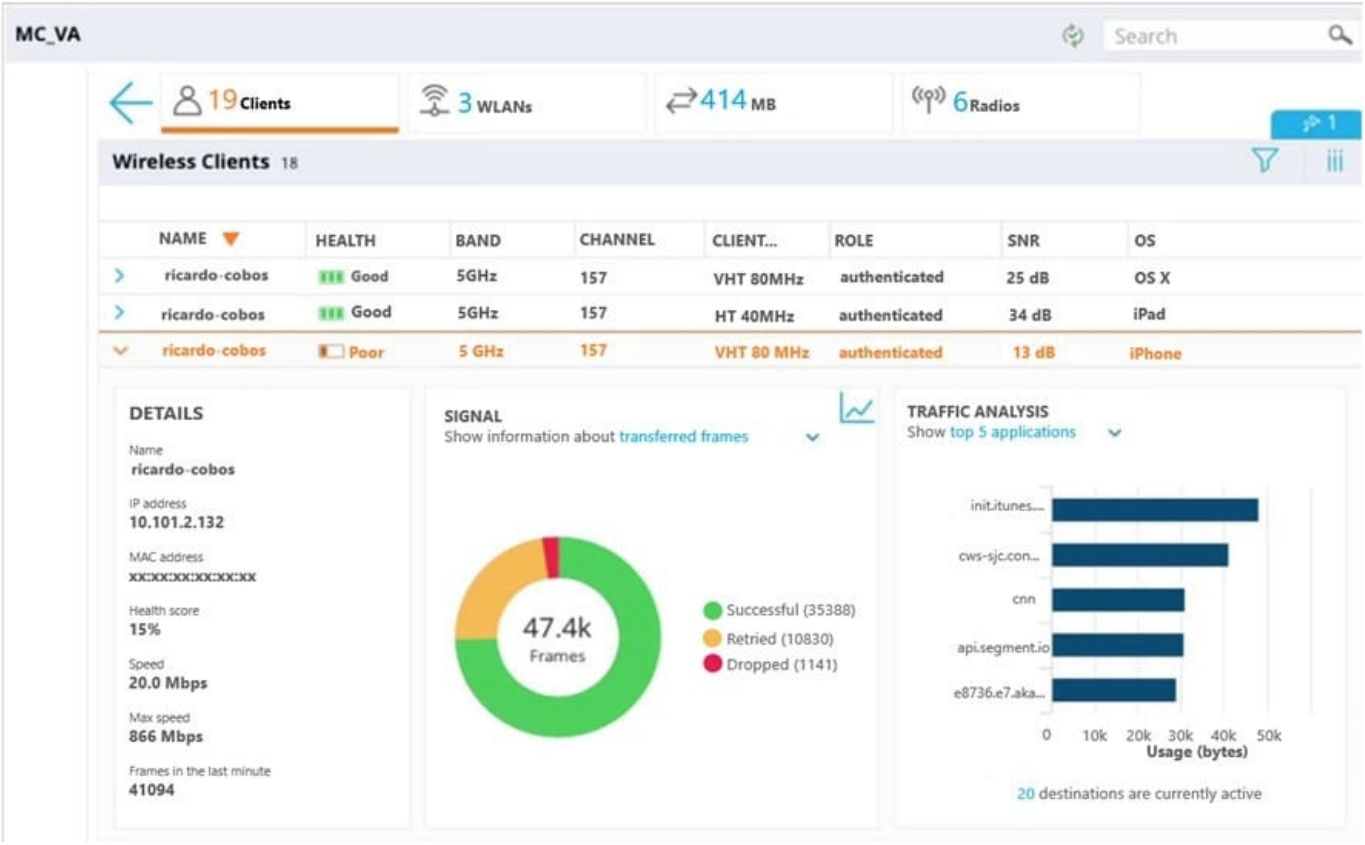
D. AirMatch is reacting to non-scheduled RF events.

Correct Answer: C

QUESTION 8

Refer to the exhibits.





A user reports slow response time to a network administrator and suggests that there might be a problem with the WLAN. The user\\'s phone supports 802.11ac in the 5 GHz band. The network administrator finds the user in the Mobility Master (MM) and reviews the output shown in the exhibit.

What can the network administrator conclude after analyzing the data?

A. The low SNR forces the client to back off to low MCs, therefore speed is low and retransmits are high.

B. Client health is poor, but SNR is fair. TX power must be increased in both the client and the AP.

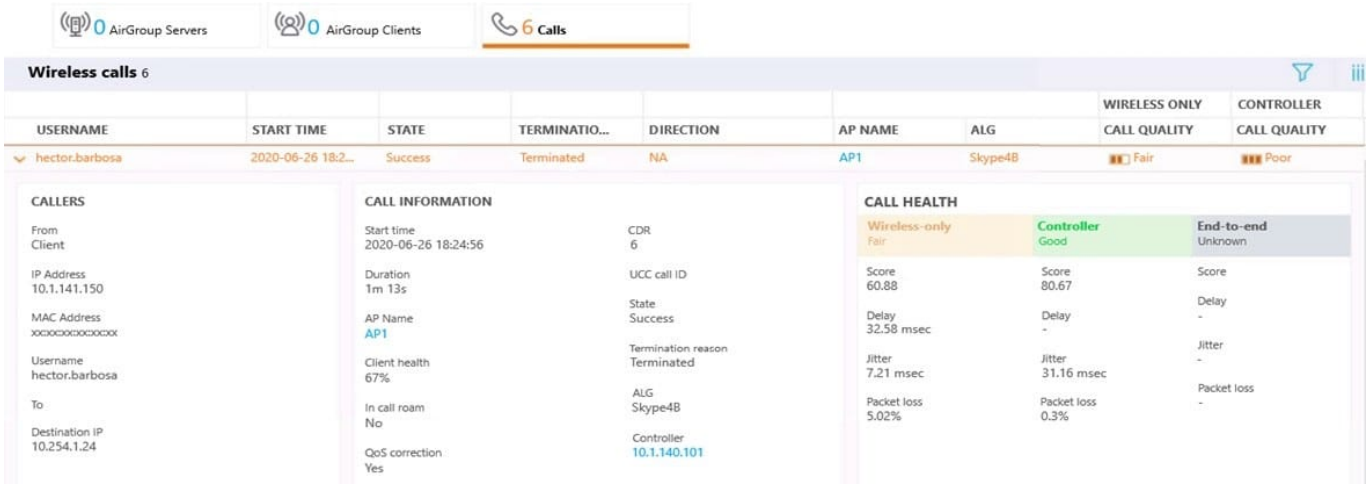
C. Since SNR is good, then the high retransmit rate must be due a hidden node scenario or high interference.

D. High Successful frame count and high Max Speed is an indication of a healthy client. Connection will improve at any time.

Correct Answer: D

QUESTION 9

Refer to the exhibit.



A network administrator has recently enabled WMM on the VAP\\'s SSID profile and enabled UCC Skype4B ALG at the Mobility Master level. During testing, some voice and video conference calls were made, and it was concluded that the call quality has dramatically improved. However, end to end information isn\\'t displayed in the call\\'s details. Also, Skype4B app-sharing\\'s performance is poor at times.

What must the administrator do next in order to enable end to end call visibility and QoS correction to app-sharing service?

A. Deploy the SDN API Software in the Skype4B Solution and point to the MM.

B. Increase the app-sharing DSCP value in the Skype4B ALG profile.

C. Enable UCC monitoring on the "default-controller" mgmt.-server profile.

D. Enable the App-sharing ALG profile at both MM and MD hierarchy levels.

Correct Answer: D

QUESTION 10

An organization has several RAPs at different locations that broadcast two SSIDs. The internet-only SSID is in bridge/always mode, and the corporate SSID is in split-tunneling/standard mode. The network administrator deploys 10 more

RAPs in different locations.

Users can successfully connect to the corporate SSID that is propagated by a RAP at a remote location. However, they report that it takes too long to access public internet web sites.

What is one part of the configuration that should be checked by the network administrator to verify this RAP deployment?

A. User roles policies

B. IP pool

C. Operating mode

D. Assigned VLAN

Correct Answer: A