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Exam : **HPE6-A48**

Title : Aruba Certified Mobility Expert 8 Written Exam

Version : DEMO

1.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
Answer: B

2.A point 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 athentication-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@doaminname.com type of credentials, radius1 has user accounts without 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-authstring corp1.com
auth-server radius1 match-authstring corp2.com
B. aaa server-group-corp
auth-server radius1 match-fqdn corp1.com
auth-server radius1 trim-fqdn
auth-server radius2 match-fqdn corp2.com
C. aaa authentication-server tadius radius1
!
aaa server-group-corp
auth-server radius1 match-string corp1.com trim-fqdn
auth-server radius1 match-string corp2.com
D. 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
Answer: B

3.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
Answer: A

4.Refer to the exhibits.
Exhibit1

```
(MC2) [MDC] #show user
This operation can take a while depending on number of users. Please be patient ....

Users
-----
    IP              MAC             Name     Role     Age(d:h:m)  Auth        VPN link  AP name  Roaming   Essid/Bssid/Phy                    Profile       Forward mode  Type
    Host Name   User Type
---------       ---------       ------   ----     ----------  ----        --------  -------  -------   ---------------                    -------       ------------  ----
    ---------   ---------
10.1.141.150    70:4d:7b:10:9e:c6  it       guest    00:00:48    8021x-User            AP22     Wireless  Corp-employee/70:3a:0e:5b:8a:d2/a-VHT  Corp-Network  tunnel        Win
10              WIRELESS

User Entries: 1/1
 Curr/Cum Alloc:3/39 Free:0/36 Dyn:3 AllocErr:0 FreeErr:0
(MC2) [MDC] #
(MC2) [MDC] #show user ip 10.1.141.150 | include Role
This operation can take a while depending on number of users. Please be patient ....
Role: guest (how: ROLE_DERIVATION_DOT1X), ACL: 7/0
Role: Derivation: ROLE_DERIVATION_DOT1X
(MC2) [MDC] #
```

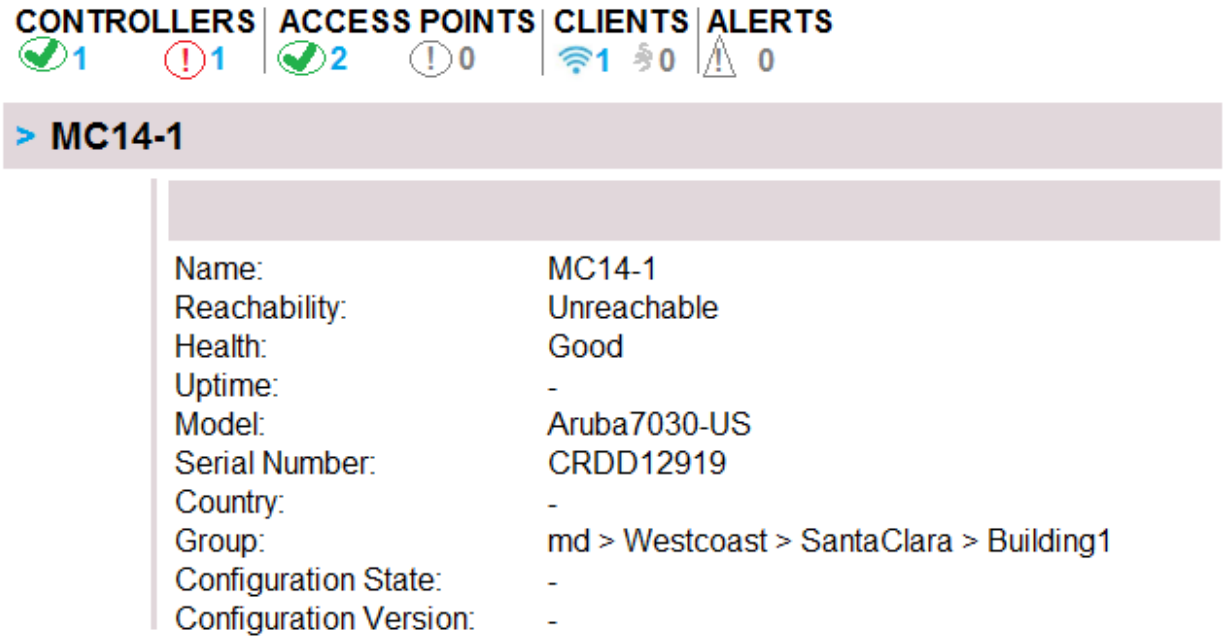
Exhibit2

```
(MC2) [MDC] #show log security
Jul 4 17: 32:15  :124004:  <3553>  <DBUG>  |authmgr|  Select server method=802.1x,
user=it, essid=Corp-employee, server-group=Corp-Network, last_srv <>
Jul 4 17: 32:15  :124004:  <3553>  <INFO>  |authmgr|  Reused server ClearPass. 23 for
method=802.1x; user=it, essid=Corp-employee, domain=<>, server-group=Corp-Network
Jul 4 17: 32:15  :124004:  <3553>  <DBUG>  |authmgr|  aal_auth_raw (1402) (INC) : os_reqs
1, s ClearPass.23 type 2 inservice 1 markedD 0
Jul 4 17: 32:15  :124004:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c:152] Radius
authenticate raw using server ClearPass.23
Jul 4 17: 32:15  :124004:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_request.c:67] Add
Request: id=22, server=ClearPass.23, IP=10.254.1.23, server-group=Corp.Network, fd=64
Jul 4 17: 32:15  :124004:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2367] Sending
radius request to ClearPass.23:10.254.1.23:1812 id:22, len:265
Jul 4 17: 32:15  :124038:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] User Name:
it
Jul 4 17: 32:15  :124004:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] NAS-IP-
Address: 10.254.10.214
Jul 4 17: 32:15  :121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] NAS-Port-
Id: 0
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] NAS-
Identifier: 10.1.140.101
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] NAS-Port-
Type: Wireless-IEEE802.11
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] Calling-
Station-Id: 704D7B109EC6
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] Called-
Station-Id: 204C0306E790
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] Service-
Type: Framed-User
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] Framed-MTU:
1100
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] EAP-Message:
\002\011
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] State:
AFMAzwACACAG9gIAfv0RnQM2udKK13smu/l2DA==
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] Aruba-Essid-
Name: Corp-employee
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] Aruba-
Location-Id: AP22
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] Aruba-AP-
Group: CAMPUS
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] Aruba-
Device-Type: Win 10
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_server.c:2383] Message-
Auth: d\277\251\272\264fwh\314'\264z\034P\345\311
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_request.c: 95] Find
Request: id=22, server=(null), IP=10.254.1.23, server-group=(null) fd=64
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_request.c: 104]
Current entry: server= (null), IP=10.254.1.23, server-group=(null), fd=64
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_request.c: 48] Del
Request: id=22, server=ClearPass.23, IP=10.254.1.23, server-group=Corp-Network fd=64
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1228]
Authentication Successful
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1230] RADIUS
RESPONSE ATTRIBUTES
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245]
Filter-Id: it-role
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245]
{Microsoft} MS-MPPE-Recv-Key: \222\331\207\347\242[0*;\255g$\262\276u\302\205\264^"
\207\271Q\270E\3120<\2
04R\370\011\317$\007\275\203\302: \201\360\002\307B\305\222\032\240\317\340
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245]
{Microsoft} MS-MPPE-Recv-Key: \234\341\251\201\2241\005\S\260f\345\366F\276\305.9
\356e\013\220\276\375\22
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245]
4\2264 j0@?\177Y\325\331/\226\366\325\315z\342[\346\343?o\241\015l
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245] EAP-
Message: \003\011
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245] User-
Name: it
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245] Class:
\202\005\250) \210\215C\344\2536#\356\200\243"\006\271\013
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245]
PW_RADIUS_ID: \026
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245] Rad-Length:
231
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245]
PW_RADIUS_CODE: \002
Jul 4 17: 32:15  : 121031:  <3553>  <DBUG>  |authmgr|  |aaa| [rc_api.c: 1245]
PW_RAD_AUTHENTICATOR: \377pW\245\254/)M\267n\337\017\204\205\373\027
Jul 4 17: 32:15  :124004:  <3553>  <INFO>  |authmgr|  Authentication result=
Authentication Successful(0), method=802.1x, server=ClearPass.23, user=70:4d:7b:10:9e:c6
```

A network administrator integrates a current Mobility Master (MM)-Mobility Controller (MC) deployment with a RADIUS infrastructure. After using the RADIUS server to authenticate a wireless user, the network

administrator realizes that the client machine is not falling into the it_department role, as shown in the exhibits.
Which configuration is required to map the users into the proper role, based on standard attributes returned by the RADIUS server in the Access Accept message?
A. aaa server-group Corp-Network
set role condition Filter-Id equals it-role set-value it_department
B. aaa server-group GROUP-RADIUS
set role condition Filter-Id equals it-role set-value it_department
C. aaa server-group Corp-employee
set role condition Filter-Id equals it-role set-value it_department
D. aaa server-group Corp-employee
set role condition Filter-Id value-of
Answer: A

5.Refer to the exhibits.
Exhibit 1



(A48.01114452)

Exhibit 2

top2 – 22:23:48 up 6:11, 0 users, load average: 0.11, 0.10, 0.08
Tasks: 202 total, 2 running, 198 sleeping, 0 stopped, 2 zombie
Cpu(s): 1.2%us, 2.9%sy, 0.2%ni, 95.6%id, 0.1wa, 0.0%hi, 0.1%si, 0.0%st
Mem: 3085600k total, 1831312k used, 1254288k free, 19488k buffers
Swap: 1048544k total, 0k useed, 1048544k free, 889680k cached

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
3556	root	20	0	147m	79m	15m	R	85	2.7	0:39.54	profmgr
3017	root	20	0	9472	3952	2656	S	23	0.1	1:30.44	syslogd
3565	root	10	-10	132m	36m	13m	S	15	1.2	0:37.09	auth
4007	root	20	0	68208	8896	5920	S	10	0.3	0:23.41	ofa
3497	root	20	0	334m	137m	10m	S	6	4.6	11:31.80	fpapps
3894	root	20	0	124m	23m	5472	S	6	0.8	0:10.00	dds
4125	root	20	0	52640	6496	3296	S	6	0.2	0:28.97	vrrp
13	root	20	0	0	0	0	S	4	0.0	0:02.05	events/1
3583	root	20	0	173m	25m	9696	S	4	0.8	1:47.79	stm
12505	root	20	0	3104	1680	1248	R	4	0.1	0:00.03	top2
3511	root	20	0	51088	6288	3712	S	2	0.2	0:04.90	pim
3807	root	20	0	220m	71m	5568	S	2	2.4	0:18.20	fw_visibility
1	root	20	0	4160	1104	912	S	0	0.0	0:03.13	init
2	root	20	0	0	0	0	S	0	0.0	0:00.00	kthreadd

A network administrator adds a new Mobility Controller (MC) to the production Mobility Master (MM) and deploys APs that start broadcasting the employees SSID in the West wing of the building. Suddenly, the employed report client disconnects.

When accessing the MM the network administrator notices that the MC is unreachable, then proceeds to access the MC's console and obtains the outputs shown in the exhibits.

What should the network administrator do next to solve the current problem?

A. Decommission the MC from the MM, and add it again.

B. Open a TAC case, and send the output of tar crash.

C. Verify the license pools in the MM.

D. Kill two zombie processes, then reboot the MC.

Answer: B