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QUESTION 1

Refer to the exhibit.

```
(MC1) [mynode] #show ap database

AP Database
-----------
Name  Group               AP Type  IP Address     Status          Flags  Switch IP      Standby IP
----  -----               -------  ----------     ------          -----  ---------      ----------
AP1   Main-Campus-SC-B1   355      10.1.145.150   Up 1d:7h:21m:41s 2      10.1.140.100   0.0.0.0
AP2   Main-Campus-SC-B1   355      10.1.146.150   Up 1d:7h:21m:46s 2      10.1.140.100   0.0.0.0

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
(MC1) [MDC] #
(MC1) [MDC] #show lc-cluster group-membership

Cluster Enabled, Profile Name = "Cluster1"
Redundancy Mode On
Active Client Rebalance Threshold = 50%
Standby Client Rebalance Threshold = 75%
Unbalance Threshold = 5%
AP Load Balancing: Disabled
Cluster Info Table
------------------
Type IPv4 Address    Priority  Connection-Type  STATUS
---- ------------    --------  ---------------  ------
self 10.1.140.100    10                  N/A    ISOLATED (Leader)
peer 10.1.140.101    101                 N/A    INCOMPATIBLE (CLUSTER_NAME_MISMATCH)
```

After deploying several cluster pairs, the network administrator notices that all APs assigned to Cluster1 communicate with MC1 instead of being distributed between members of the cluster. Also, no IP addresses are shown under the Standby IP column.

What should the network administrator do to fix this situation?
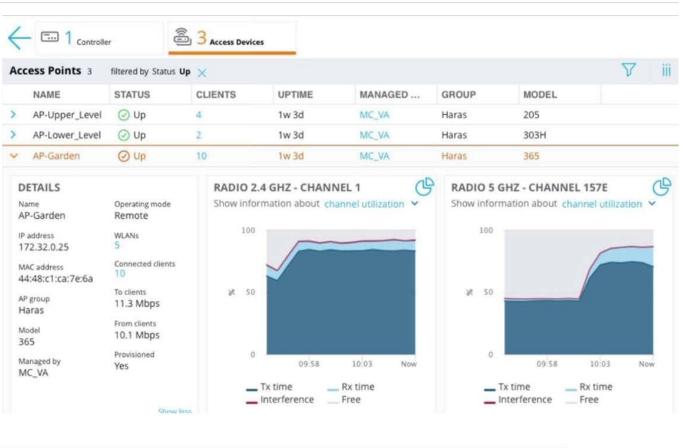
A. Apply the same cluster profile to both members.

B. Enable Cluster AP load balancing.

C. Rename the cluster profile as "CLUSTER1".
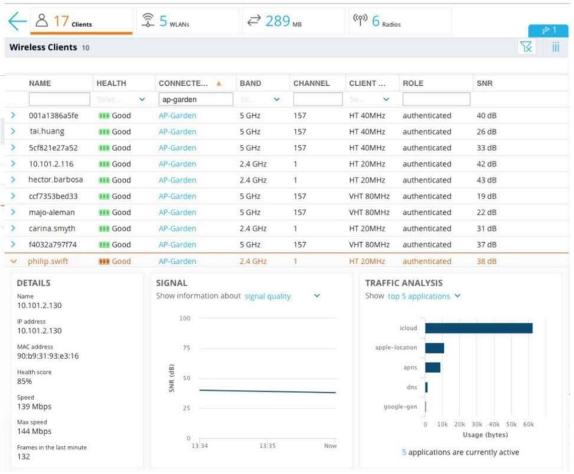
D. Place MCs at the same hierarchical group level.

Correct Answer: C

QUESTION 2

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	Operating mode
AP-Garden	Remote
IP address	WLANs
172.32.0.25	5
MAC address	Connected clients
44:48:c1:ca:7e:6a	10
AP group	To clients
Haras	11.3 Mbps
Model	From clients
365	10.1 Mbps
Managed by	Provisioned
MC_VA	Yes

Show less

RADIO 2.4 GHZ - CHANNEL 1   ⦿
Show information about channel utilization ⌄

100
✂ 50
0
   09:58   10:03   Now

— Tx time   — Rx time
— Interference — Free

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   ⌖ 1

Wireless Clients 10   ☒   ⦙⦙⦙

	NAME	HEALTH	CONNECTE... ▲	BAND	CHANNEL	CLIENT ...	ROLE	SNR	
		Selec... ⌄	ap-garden	Se... ⌄		Se... ⌄			
>	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 ⌄

100
75
SNR (dB) 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 3

A network administrator has deployed an Airwave Management Platform (AMP) server and integrated it with a Mobility Master (MM) ?Mobility Controller (MC) based WLAN. The AMP server already has all Aruba Mobility devices including Access Points (APs) in the "UP" devices list.

What are two actions the administrator can execute upon the APs under "Airwave>Devices>Monitor"? (Choose two.)

A. Open the WebUI of the MC where the AP terminates.

B. Re-provision the Access Point.

C. Disable and change the mode of the AP\'s radios.

D. Invoke MC\'s show commands for that Access Point.

E. Run Spectrum Analysis locally.

Correct Answer: DE

QUESTION 4

Refer to the exhibits. Exhibit 1

```
(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
---------   -----------   ----- --------  -------            --------- ----    -------  -------- ------- --------------
    -------    ------------   ----- --------  -------
192.168.14.101  xx:xx:xx:xx:xx:xx              guest-guest-logon    00:00:32             AP1      Wireless  Guest/yy:yy:yy:yy:yy:yy/a-
VHT  Guest    tunnel          Win 10              WIRELESS

User Entries: 1/1
  Curr/Cum Alloc:2/5 Free:0/3 DVN:2 AllocErr:0 FreeErr:0
```

Exhibit 2 Exhibit 3

```
(MC2) [MDC] #show rights guest-guest-logon

Valid = 'Yes'
CleanedUp = 'No'
Derived Role = 'guest-guest-logon'
   Up BW:No Limit   Down BW:No Limit
   L2TP Pool = default-l2tp-pool
   PPTP Pool = default-pptp-pool
   Number of users referencing it = 2
   Periodic reauthentication: Disabled
   DPI Classification: Enabled
   Youtube education: Disabled
   Web Content Classification: Enabled
   IP-Classification Enforcement: Enabled
   ACL Number = 98/0
   Openflow: Enabled
   MaxSessions = 65535

   Check CP Profile for Accounting = TRUE
   Captive Portal profile = default
```

```
(MC2) [MDC] #show aaa authentication captive-portal Guest

Captive Portal Authentication Profile "Guest"
-----------------------------------------------
Parameter                                Value
---------                                -----
Default Role                             guest
Default Guest Role                       guest
Server Group                             Guest
Redirect Pause                           10 sec
User Login                               Enabled
Guest Login                              Disabled
Logout popup window                      Enabled
Use HTTP for authentication              Disabled
Logon wait minimum wait                  5 sec
Logon wait maximum wait                  10 sec
Logon wait CPU utilization threshold     60%
Max Authentication failures              0
Show FQDN                                Disabled
Authentication Protocol                  PAP
Login page                               https://cp.mycompany.com/guest/web_login.php
Welcome page                             /auth/welcome.html
Show Welcome Page                        Yes
```

Exhibit 4

```
(MC2) [MDC] #show aaa authentication captive-portal default

Captive Portal Authentication Profile "default"
-------------------------------------------------
Parameter                                        Value
---------                                        -----
Default Role                                     guest
Default Guest Role                               guest
Server Group                                     Guest
Redirect Pause                                   10 sec
User Login                                       Enabled
Guest Login                                      Disabled
Logout popup window                              Enabled
Use HTTP for authentication                      Disabled
Logon wait minimum wait                          5 sec
Logon wait maximum wait                          10 sec
Logon wait CPU utilization threshold             60%
Max Authentication failures                      0
Show FQDN                                        Disabled
Authentication Protocol                          PAP
Login page                                       /auth/index.html
Welcome page                                     /auth/welcome.html
Show Welcome Page                                Yes
Add switch IP addresses in the redirection URL   Disabled

(MC2) [MDC] #show aaa server-group default

Fail Through: No
Load Balance: No

Auth Servers
------------
Name        Server-Type   trim-FQDN   Match-Type   Match-Op   Match-Str
----        -----------   ---------   ----------   --------   ---------
Internal    Internal      No

Role/VLAN derivation rules
--------------------------
Priority   Attribute   Operation   Operand   Type     Action     Value   Validated
--------   ---------   ---------   -------   ----     ------     -----   ---------
1          role        value-of              String   set role           No
```

A captive portal-based solution is deployed in a Mobility Master (MM) - Mobility Controller (MC) network. A wireless station connects to the network and attempts the authentication process. The outputs are shown in the exhibits. Which names correlate with the authentication and captive portal servers?

A. ClearPass.23 is the authentication server, and cp.mycompany.com is the captive portal server.

B. ClearPass.23 is the authentication server, and MC2 is the captive portal server.

C. Internal database in MC2 is the authentication server, and cp.mycompany.com is the captive portal server.

D. cp.mycompany.com is the authentication server, and ClearPass.23 is the captive portal server.

Correct Answer: A

QUESTION 5

Refer to the exhibit.

```
Access-1# show ubt state

Local Master Server (LMS) State:

LMS Type      IP Address      State
----------------------------------------------------------
Primary    : 10.1.224.100    ready_for_bootstrap
Secondary  : 10.1.140.100    ready_for_bootstrap

Switch Anchor Controller (SAC) State:

            IP Address        MAC Address         State
-------------------------------------------------------------
Active    : 10.1.224.100      xx:xx:xx:xx:xx:xx   Registered


User Anchor Controller(UAC): 10.1.224.100

User               Port    State                        Bucket ID  Gre Key
--------------------------------------------------------------------------
xx:xx:xx:xx:yy:yy  1/1/20 registered                    255        20
Access-1#
```

Based on the output shown in the exhibit, with which Aruba devices has Access-1 established tunnels?

A. a pair of standalone MCs

B. a pair of switches running VXLAN

C. a pair of MCs within a L3 cluster

D. a single standalone MC

Correct Answer: C