

HPE6-A79^{Q&As}

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QUESTION 1

An organization wants to deploy a WLAN infrastructure that provides connectivity to these client categories:

Employees Contractors Guest users Corporate IoT legacy devices that support no authentication or encryption
Employees and contractors must authenticate with company credentials and get network access based on AD group membership. Guest users are required to authenticate with captive portal using predefined credentials. Only employees will run L2 encryption.

Which implementation plan fulfills the requirements while maximizing the channel usage?

- A. Create VAP1 to run WPA2-AES and 802.1x authentication, VAP2 to run opensystem encryption with MAC authentication, and VAP3 to run opensystem with captive portal and L2 fail through.
- B. Create a single VAP to run WPA2-AES and 802.1x authentication, MAC authentication L2 fail through, captive portal, and VIA support.
- C. Create VAP1 to run WPA2-AES and 802.1x authentication, VAP2 to run opensystem encryption with MAC authentication, and VAP3 to run opensystem with captive portal.
- D. Create VAP1 to run WPA2-AES and 802.1x authentication, and VAP2 to run opensystem encryption with MAC authentication and captive portal.

Correct Answer: D

QUESTION 2

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

QUESTION 3

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
 To clients: 11.3 Mbps
 From clients: 10.1 Mbps
 AP group: Haras
 Model: 365
 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

← 17 Clients | 5 WLANs | 289 MB | 6 Radios

Wireless Clients 10

NAME	HEALTH	CONNECTE...	BAND	CHANNEL	CLIENT ...	ROLE	SNR
001a1386a5fe	Good	AP-Garden	5 GHz	157	HT 40MHz	authenticated	40 dB
tal.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
phillip.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

TRAFFIC ANALYSIS

Show top 5 applications

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 4

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      LINK(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.

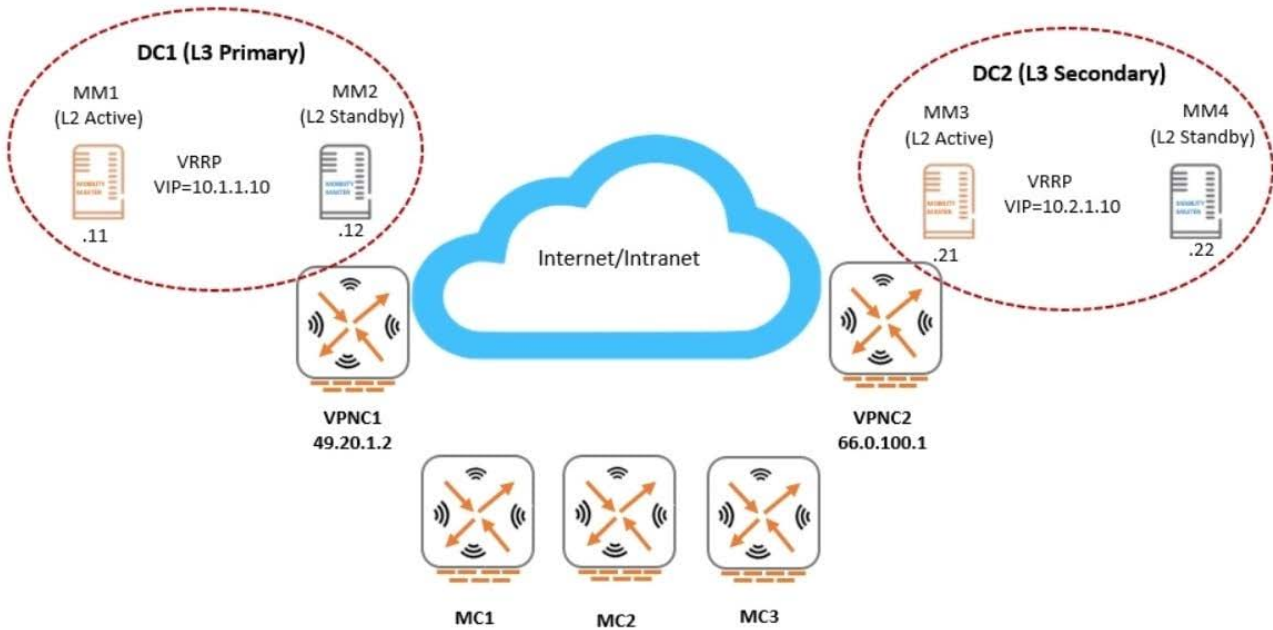
What is the reason that the MC does not appear as a managed device in the hierarchy?

- 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 5

Refer to the exhibit.



```
(MC2) #show running-config | include masterip
Building Configuration...
masterip 10.1.1.10 vpn-ip 19.20.1.2 ipsec aruba123 peer-id xx:xx:xx:xx:xx:xx
secondary masterip 10.2.1.10 vpn-ip 66.0.100.1 ipsec-factory-cert vpn-mac-1 xx:xx:xx:xx:yy:yy interface v1an 140
(MC2) #
```

An Aruba network is deployed with L2 and L3 Mobility Master (MM) redundancy across two datacenters, as shown in the exhibit. The network administrator confirms that all Mobility Controllers (MC) are currently communicating with MM1, which is the L2 Active and, L3 Primary.

Which MM IP will MCs communicate with if MM1 fails?

- A. 10.1.1.10
- B. 10.1.1.12
- C. 10.2.1.10
- D. 10.2.1.21

Correct Answer: C

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