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QUESTION 1

Refer to the exhibit.

```
Jun 23 21:28:17 :121031: <5533> <DEBUG> [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> <DEBUG> [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> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] User-Name: contractor12
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] NAS-IP-Address: 10.254.13.14
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] NAS-Port-Id: 0
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] NAS-Identifier: 10.254.13.14
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] NAS-Port-Type: Wireless-IEEE802.11
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] Calling-Station-Id: 704D7B109EC6
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] Called-Station-Id: 005056A5CA1A
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] Service-Type: Framed-User
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] Framed-MTU: 1100
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] EAP-Message: 10021012
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] State: AGcATgBnAKj9lQQAkGy0j1ulavminP5/0Vna0PQ==
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] Aruba-Essid-Name: EmployeesNet
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] Aruba-Location-Id: AP22
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] Aruba-AP-Group: CAMPUS
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2381] Aruba-Device-Type: (VSA with invalid length - Don't send it)
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_server.c:2383] Message-Auth: 1352F13721012125012231035c1256132112501214134451326
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_request.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> <DEBUG> [authmgr] [aaa] [rc_request.c:104] Current entry: server=(null), IP=10.254.1.23, server-group=(null), fd=63
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_request.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> <DEBUG> [authmgr] [aaa] [rc_api.c:1228] Authentication Successful
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1230] RADIUS RESPONSE ATTRIBUTES:
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] {Aruba} Aruba-User-Role: contractor
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] {Microsoft} MS-MPPE-Recv-Key: 120610321023L13641275n1231100412521P12171023K102411303t133212171273Fe910221346113721320= "c1303jK10231222127610201244100513311314e12171024{
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] {Microsoft} MS-MPPE-Send-Key: 1210131612751015131510121025j1247103251207102113361264t133412061231
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] EAP-Message: 10031012
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] Message-Auth: z13312C102210131275102012431227
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] User-Name: contractor12
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] Class: 12021005125012101215C134412536#35612001243"100612711013
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] PW_RADIUS_ID: -
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] Rad-Length: 250
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] PW_RADIUS_CODE: 1002
Jun 23 21:28:17 :121031: <5533> <DEBUG> [authmgr] [aaa] [rc_api.c:1245] PW_RAD_AUTHENTICATOR: RY127313701325$121113411027R1363YM126112361025
Jun 23 21:28:17 :124003: <5533> <INFO> [authmgr] Authentication result=Authentication Successful (0), method=802.1x, server=ClearPass, user=70:4d:7b:10:9e:c6
```

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 firewall role.

To do this, the network administrator configures ClearPass in a way that it returns the Aruba-User-Role VSA 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. Set contractor as the default role in the AAA profile.
- B. Create the contractor firewall role in the MC.
- C. Create server derivation rules in the server group.
- D. Check the Download role from the CPPM option in the AAA profile.

Correct Answer: A

QUESTION 2

Refer to the exhibits. Exhibit 1

Request Details		
Summary	Input	Output
Enforcement Profiles:	Switch-Wired-802.1X	
System Posture Status:	UNKNOWN (100)	
Audit Posture Status:	UNKNOWN (100)	
RADIUS Response		
Radius:Hewlett-Packard-Enterprise:HPE-User-Role	tunnel-employee	

(A48.01114558)

Exhibit 2

Access-1(config)# show port-access clients

Port Access Client Status

Port	Client Name	MAC Address	IP Address	User Role	Type
VLAN					
20	test	005056-a5510b	n/a	denyall	8021X
142					

A network administrator deploys role-based tunneled node in a corporate network to unify the security policies enforcement. When users authenticate with 802.1X, ClearPass shows Accept results, and sends the HPE-User-Role attribute as expected. However, the switch always applies the denyall role.

Why does the switch fail to allocate the tunnel-employee role?

- A. Denyall is a secondary role contained within tunnel-employee.
- B. The switch is not configured with primary tunneled-node user role.
- C. The switch is not configured with secondary tunneled-node user role.
- D. RADIUS Access Accept messages time out in the switch.

Correct Answer: B

QUESTION 3

Refer to the exhibit.

(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	Forward mode	Type	Host Name	User Type
10.1.141.150	70:4d:7b:10:9e:c6	it	guest	00:00:00	802.1x		AP22	Wireless
Corp-employee/70:3a:0e:5b:0a:c2/g-HT			Corp-Network	tunnel		Win 10		
WIRELESS								

User Entries: 1/1

Curr/Cum Alloc:3/40 Free:0/37 Dyn:3 AllocErr:0 FreeErr:0

(MC2) [MDC] #show user mac 70:4d:7b:10:9e:c6

This operation can take a while depending on number of users. Please be patient. . . .

Name: it, IP: 10.1.141.150, MAC: 70:4d:7b:10:9e:c6, Age: 00:00:00

Role: guest (how: ROLE_DERIVATION_DOT1X), ACL: 7/0

Authentication: Yes, status: successful, method: 802.1x, protocol: EAP-PEAP, server: ClearPass.23

Authentication Servers: dot1x authserver: ClearPass.23, mac authserver:

Bandwidth = No Limit

Bandwidth = No Limit

Role Derivation: ROLE DERIVATION DOT1X

A network administrator evaluates a deployment to validate that users are assigned to the proper roles. Based on the output shown in the exhibit, what can the network administrator conclude?

- A. The MC assigned the machine authentication default user role.
- B. The MC assigned the role based on user-derivation rules.

- C. The MC assigned the role based on server-derivation rules.
- D. The MC assigned the default role of the authentication method.

Correct Answer: D

QUESTION 4

A foreign exchange broker in a shared office space uses an Aruba Mobility Master (MM)-Mobility Controller (MC) architecture along with ClearPass and AirWave. The corporate network is FXBroker121, but users report that they cannot access the FXBroker111 SSID. The team suspects that a rogue AP is in place and a malicious user tried to disguise the WLAN name.

How can the organization's network administrator identify and locate the potential rogue AP?

- A. Create an AirWave RAPIDS rule with a Suspected Rogue classification and the SSID Matches FXBroker111 condition, then access any RAPID List entry that matches the rule and click on Location.
- B. Use ClearPass Event viewer and search for entries with the FXBroker111 Aruba-Essid-Name VSA attribute, then obtain the value of the Aruba-AP-Group attribute.
- C. Use ClearPass Event viewer and search for entries with the FXBroker111 Aruba-Essid-Name VSA attribute, then obtain the value of the Aruba-Location-id attribute.
- D. Create and AirWave RAPIDS rule with a Suspected Rogue classification and the SSID Does Not Match FXBroker121 condition, then access any RAPIDS List entry that matches the rule and click on Location.

Correct Answer: B

QUESTION 5

A company has headquarters based in the US and rents international office space in Mexico City so that 10 employees can work remotely. The company must implement a remote access technology so branch office employees can access all servers at the headquarters.

The office has both wired and wireless internet connectivity, with no restrictions on what device connects to the network. However, ports UDP 4500, 5060, and 5061 are blocked by the perimeter firewall.

Which remote access technology is required to allow employees to access the servers at the headquarters?

- A. BOC with CAPs
- B. IAP VPN
- C. RAP
- D. VIA

Correct Answer: C
