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Exam : HPE6-A84

Title : Aruba Certified Network Security Expert Written Exam

Version : DEMO

1.You are designing an Aruba ClearPass Policy Manager (CPPM) solution for a customer. You learn that the customer has a Palo Alto firewall that filters traffic between clients in the campus and the data center. Which integration can you suggest?
A. Sending Syslogs from the firewall to CPPM to signal CPPM to change the authentication status for misbehaving clients
B. Importing clients' MAC addresses to configure known clients for MAC authentication more quickly
C. Establishing a double layer of authentication at both the campus edge and the data center DMZ
D. Importing the firewall's rules to program downloadable user roles for AOS-CX switches more quickly
Answer: A

2.Refer to the scenario.
A customer has an Aruba ClearPass cluster. The customer has AOS-CX switches that implement 802.1X authentication to ClearPass Policy Manager (CPPM).
Switches are using local port-access policies.
The customer wants to start tunneling wired clients that pass user authentication only to an Aruba gateway cluster. The gateway cluster should assign these clients to the “eth-internet" role. The gateway should also handle assigning clients to their VLAN, which is VLAN 20.
The plan for the enforcement policy and profiles is shown below:

Enforcement Policies - written-exam-3

Summary | Enforcement | Rules

Enforcement:

Name:	written-exam-3
Description:	
Enforcement Type:	RADIUS
Default Profile:	[Deny Access Profile]

Rules:

Rules Evaluation Algorithm:	First applicable

	Conditions	Actions
1.	(Tips:Role *EQUALS* [Machine Authenticated]) *AND* (Tips:Role *EQUALS* [User Authenticated])	written-exam-a
2.	(Authentication:TEAP-Method-2-Status *EQUALS* Success)	written-exam-b

Enforcement Profiles - written-exam-a

Summary | Profile | Attributes

Profile:

Name:	written-exam-a
Description:	
Type:	RADIUS
Action:	Accept
Device Group List:	-

Attributes:

	Type	Name		Value
1.	Radius:Aruba	Aruba-User-Role	=	eth-user

Enforcement Profiles - written-exam-b

Summary | Profile | Attributes

Profile:

Name:	written-exam-b
Description:	
Type:	RADIUS
Action:	Accept
Device Group List:	-

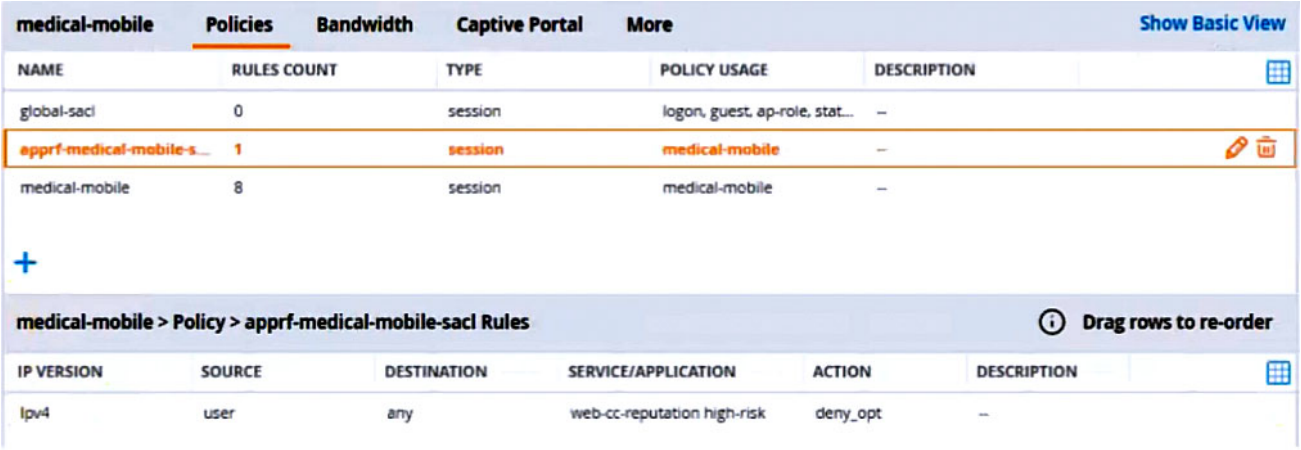
Attributes:

	Type	Name		Value
1.	Radius:Aruba	Aruba-User-Role	=	internet-only

The gateway cluster has two gateways with these IP addresses:

• Gateway 1
o VLAN 4085 (system IP) = 10.20.4.21
o VLAN 20 (users) = 10.20.20.1
o VLAN 4094 (WAN) = 198.51.100.14
• Gateway 2
o VLAN 4085 (system IP) = 10.20.4.22
o VLAN 20 (users) = 10.20.20.2
o VLAN 4094 (WAN) = 198.51.100.12
• VRRP on VLAN 20 = 10.20.20.254
The customer requires high availability for the tunnels between the switches and the gateway cluster. If one gateway falls, the other gateway should take over its tunnels. Also, the switch should be able to discover the gateway cluster regardless of whether one of the gateways is in the cluster.
You are setting up the UBT zone on an AOS-CX switch.
Which IP addresses should you define in the zone?
A. Primary controller = 10.20.4.21; backup controller = 10.20.4.22
B. Primary controller = 198.51.100.14; backup controller = 10.20.4.21
C. Primary controller = 10.20.4.21; backup controller, not defined
D. Primary controller = 10.20.20.254; backup controller, not defined
Answer: A

3.Refer to the scenario.
A customer requires these rights for clients in the “medical-mobile” AOS firewall role on Aruba Mobility Controllers (MCs):
Permitted to receive IP addresses with DHCP
Permitted access to DNS services from 10.8.9.7 and no other server
Permitted access to all subnets in the 10.1.0.0/16 range except denied access to 10.1.12.0/22
Denied access to other 10.0.0.0/8 subnets
Permitted access to the Internet
Denied access to the WLAN for a period of time if they send any SSH traffic
Denied access to the WLAN for a period of time if they send any Telnet traffic
Denied access to all high-risk websites
External devices should not be permitted to initiate sessions with “medical-mobile” clients, only send return traffic.
The exhibits below show the configuration for the role.

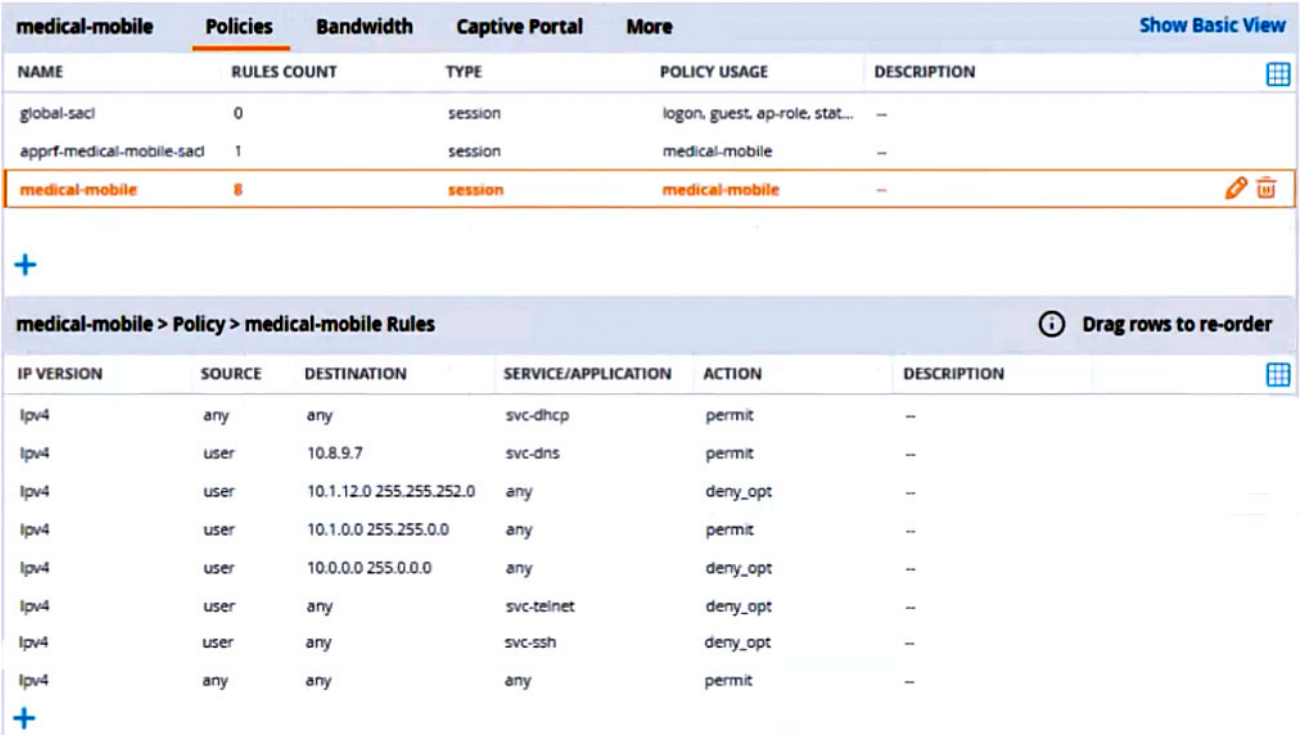


medical-mobile | Policies | Bandwidth | Captive Portal | More | Show Basic View

NAME	RULES COUNT	TYPE	POLICY USAGE	DESCRIPTION
global-sacl	0	session	logon, guest, ap-role, stat...	--
apprf-medical-mobile-s...	1	session	medical-mobile	--
medical-mobile	8	session	medical-mobile	--

medical-mobile > Policy > apprf-medical-mobile-sacl Rules | Drag rows to re-order

IP VERSION	SOURCE	DESTINATION	SERVICE/APPLICATION	ACTION	DESCRIPTION
Ipv4	user	any	web-cc-reputation high-risk	deny_opt	--



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medical-mobile > Policy > medical-mobile Rules | Drag rows to re-order

IP VERSION	SOURCE	DESTINATION	SERVICE/APPLICATION	ACTION	DESCRIPTION
Ipv4	any	any	svc-dhcp	permit	--
Ipv4	user	10.8.9.7	svc-dns	permit	--
Ipv4	user	10.1.12.0 255.255.252.0	any	deny_opt	--
Ipv4	user	10.1.0.0 255.255.0.0	any	permit	--
Ipv4	user	10.0.0.0 255.0.0.0	any	deny_opt	--
Ipv4	user	any	svc-telnet	deny_opt	--
Ipv4	user	any	svc-ssh	deny_opt	--
Ipv4	any	any	any	permit	--

There are multiple issues with this configuration.

What is one change you must make to meet the scenario requirements? (In the options, rules in a policy are referenced from top to bottom. For example, “medical-mobile” rule 1 is “ipv4 any any svc-dhcp permit,” and rule 8 is “ipv4 any any any permit”.)

A. In the “medical-mobile” policy, move rules 2 and 3 between rules 7 and 8.

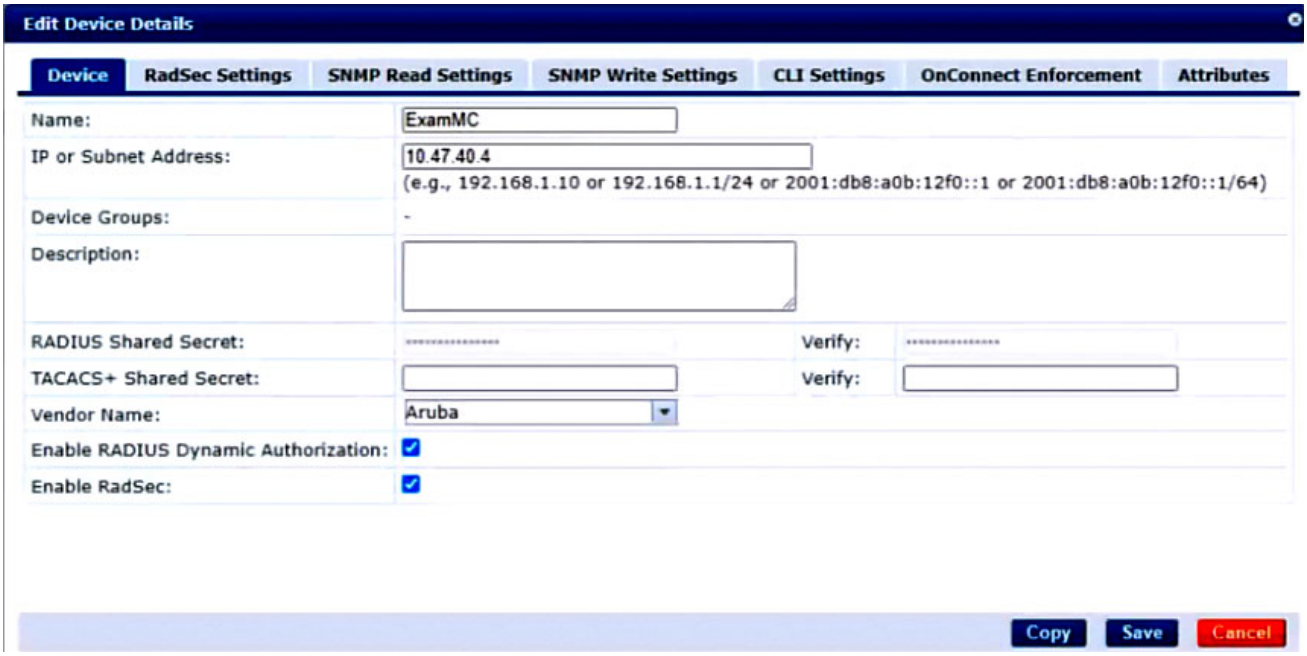
B. In the “medical-mobile” policy, change the subnet mask in rule 3 to 255.255.248.0.

C. Move the rule in the “apprf-medical-mobile-sacl” policy between rules 7 and 8 in the “medical-mobile” policy.

D. In the “medical-mobile” policy, change the source in rule 8 to “user.”

Answer: B

4.A company has an Aruba ClearPass server at 10.47.47.8, FQDN radius.acnsxtest.local. This exhibit shows ClearPass Policy Manager's (CPPM's) settings for an Aruba Mobility Controller (MC).



The MC is already configured with RADIUS authentication settings for CPPM, and RADIUS requests between the MC and CPPM are working. A network admin enters and commits this command to enable dynamic authorization on the MC: aaa rfc-3576-server 10.47.47.8

But when CPPM sends CoA requests to the MC, they are not working.

This exhibit shows the RFC 3576 server statistics on the MC:

```
RADIUS RFC 3576 Statistics

--------------------------

Server        Disconnect Req  Disconnect Acc  Disconnect Rej  No Secret  No Sess ID  Bad Auth
Invalid Req   Pkts Dropped  Unknown service  CoA Req  CoA Acc  CoA Rej  No perm

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10.47.47.8    0               0                0                0          0           0
0             0               0                0        0       0          0
```

How could you fix this issue?

A. Change the UDP port in the MCs' RFC 3576 server config to 3799.

B. Enable RadSec on the MCs' RFC 3676 server config.

C. Configure the MC to obtain the time from a valid NTP server.

D. Make sure that CPPM is using an ArubaOS Wireless RADIUS CoA enforcement profile.

Answer: A

5.Refer to the scenario.

A customer requires these rights for clients in the "medical-mobile" AOS firewall role on Aruba Mobility Controllers (MCs):

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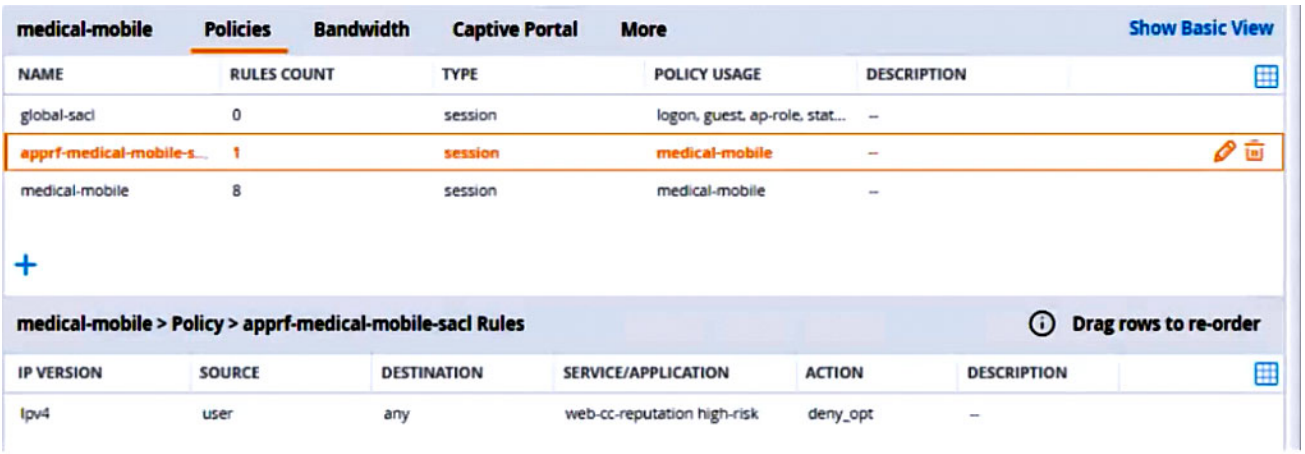

medical-mobile | Policies | Bandwidth | Captive Portal | More | Show Basic View

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medical-mobile > Policy > apprf-medical-mobile-sacl Rules | Drag rows to re-order

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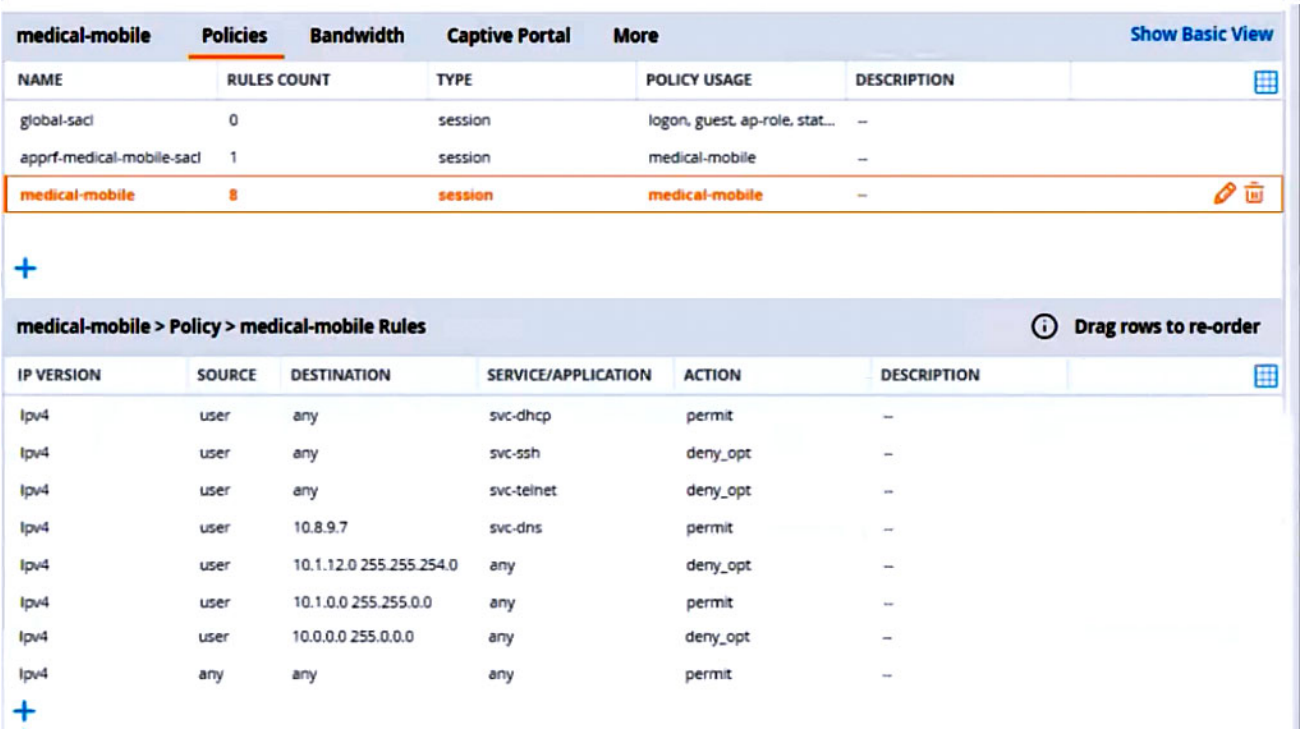

medical-mobile | Policies | Bandwidth | Captive Portal | More | Show Basic View

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medical-mobile > Policy > medical-mobile Rules | Drag rows to re-order

IP VERSION	SOURCE	DESTINATION	SERVICE/APPLICATION	ACTION	DESCRIPTION
Ipv4	user	any	svc-dhcp	permit	--
Ipv4	user	any	svc-ssh	deny_opt	--
Ipv4	user	any	svc-telnet	deny_opt	--
Ipv4	user	10.8.9.7	svc-dns	permit	--
Ipv4	user	10.1.12.0 255.255.254.0	any	deny_opt	--
Ipv4	user	10.1.0.0 255.255.0.0	any	permit	--
Ipv4	user	10.0.0.0 255.0.0.0	any	deny_opt	--
Ipv4	any	any	any	permit	--

What setting not shown in the exhibit must you check to ensure that the requirements of the scenario are met?
A. That denylisting is enabled globally on the MCs’ firewalls
B. That stateful handling of traffic is enabled globally on the MCs’ firewalls and on the medical-mobile role
C. That AppRF and WebCC are enabled globally and on the medical-mobile role
D. That the MCs are assigned RF Protect licenses
Answer: C