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QUESTION 1

Why can the Onguard posture check not be performed during 802.1x authentication?

A. Health Checks cannot be used with 802.1x.

B. Onguard uses RADIUS, so an additional service must be created.

C. Onguard uses HTTPS, so an additional service must be created.

D. Onguard uses TACACS, so an additional service must be created.

E. 802.1x is already secure, so Onguard is not needed.

Correct Answer: C

OnGuard uses HTTPS to send posture information to the ClearPass appliance. For OnGuard to use HTTPS, it must have access to the network. If a customer requires 802.1x authentication on the wired switch, a separate 802.1x authentication must be used prior to the OnGuard posture check. In this example, an 802.1x PEAP-EAP-MSCHAPv2 authentication is completed first. A separate WebAuth service must be setup with posture checks to use the OnGuard agent.

References: MAC Authentication and OnGuard Posture Enforcement using Dell WSeries ClearPass and Dell Networking Switches (August 2013), page 21

QUESTION 2

A customer would like to deploy ClearPass with these requirements:

every day, 100 employees need to authenticate with their corporate laptops using EAP-TLS every Friday, a meeting with business partners takes place and an additional 50 devices need to authenticate using Web Login Guest Authentication

What should the customer do regarding licenses? (Select two.)

A. When counting policy manager licenses, include the additional 50 business partner devices.

B. When counting policy manager licenses, exclude the additional 50 business partner devices.

C. Purchase Onboard licenses.

D. Purchase guest licenses.

E. Purchase Onguard licenses.

Correct Answer: AC

QUESTION 3

Refer to the exhibit.

Configuration » Enforcement » Policies » Edit - Vlan enforcement

Enforcement Policies - Vlan enforcement

| Summary | Enforcement | Rules |

Enforcement:

Name:	Vlan enforcement
Description:	
Enforcement Type:	RADIUS
Default Profile:	Internet VLAN

Rules:

Rules Evaluation Algorithm:	First applicable

	Conditions	Actions
1.	(Tips: Role EQUALS Engineer AND (Date:Day-of-Week BELONGS_TO Monday, Tuesday, Wednesday, Thursday, Friday) AND (Connection:Protocol EQUALS RADIUS)	Full Access VLAN
2.	(Tips: Role EQUALS Manager) AND (Connection:Protocol BELONGS_ TO RADIUS, TACACS, WEBAUTH, Application)	Full Access VLAN
3.	(Tips: Role EQUALS Engineer AND (Connection:Protocol BELONGS_ TO WEBAUTH)	Employee VLAN

Based on the Policy configuration shown, which VLAN will be assigned when a user with ClearPass role Engineer authenticates to the network successfully on Saturday using connection protocol WEBAUTH?

A. Full Access VLAN

B. Employee VLAN

C. Internet VLAN

D. Deny Access

Correct Answer: B

QUESTION 4

Which checks are made with Onguard posture evaluation in ClearPass? (Select three.)

A. Registry keys

B. EAP TLS certificate validity

C. Client role check

D. Peer-to-peer application checks

E. Operating System version

Correct Answer: ADE

QUESTION 5

Refer to the exhibit.

View Endpoint			
MAC Address	98b8e362fddf	IP Address	192.168.1.252
Description		Static IP	FALSE
Status	Unknown	Hostname	
Added by	Policy Manager	MAC Vendor	Apple
		Category	SmartDevice
		OS Family	Apple
		Device Name	Apple iPad
		Updated At	Apr 10, 2013 19:47:28 UTC
		Show Fingerprint	☑

Endpoint Fingerprint Details

Host User Agent	Mozilla/5.0 (iPad; CPU OS 6_0_2 like Mac OS X) AppleWebKit/536.26 (KHTML, like Gecko) Version/6.0 Mobile/10A8500 Safari/8536.25
DHCP Option55	["1,3,6,15,119,252"]
DHCP Options	["53,55,57,61,50,51,12"]

Based on the Endpoint information shown, which collectors were used to profile the device as Apple iPad? (Select two.)

A. HTTP User-Agent

B. SNMP

C. DHCP fingerprinting

D. SmartDevice

E. Onguard Agent

Correct Answer: AC

HTTP User-Agent

In some cases, DHCP fingerprints alone cannot fully classify a device. A common example is the Apple family of smart devices; DHCP fingerprints cannot distinguish between an Apple iPad and an iPhone. In these scenarios, User-Agent

strings sent by browsers in the HTTP protocol are useful to further refine classification results.

User-Agent strings are collected from:

*

 ClearPass Guest

*

 ClearPass Onboard

*

 Aruba controller through IF-MAP interface

Note: Collectors are network elements that provide data to profile endpoints. The following collectors send endpoint attributes to Profile:

*

 DHCP

DHCP snooping

Span ports

*

 ClearPass Onboard

*

 HTTP User-Agent

*MAC OUI - Acquired via various auth mechanisms such as 802.1X, MAC auth, etc.

*

 ActiveSync plugin

*

 CPPM OnGuard

*SNMP

*

 Subnet Scanner

*

 IF-MAP

*

Cisco Device Sensor (Radius Accounting)

*

 MDM

References: Tech Note: ClearPass Profiling (2014), page 11

https://community.arubanetworks.com/aruba/attachments/aruba/ForoenEspanol/653/1/ClearPass%20Profiling%20Tech Note.pdf

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