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Vendor: Aruba

Exam Code: ACCP-v6.2

Exam Name: Aruba Certified Clearpass Professional v6.2

Version: Demo

QUESTION 1

Which of the following is a benefit of ClearPass OnGuard?

- A. Allows employees and other non-IT staff to create temporary accounts for Wi-Fi access.
- B. Offers an easy way for users to self-configure their devices to support 802.1X authentication on wired and wireless networks.
- C. Enables organizations to run advanced endpoint posture assessments.
- D. Offers full self-service provisioning for personal employee owned devices.
- E. Allows a receptionist in a hotel to create accounts for guest users.

Correct Answer: C

QUESTION 2

A customer would like to deploy ClearPass with the following objectives: they have 2000 devices that need to be onboarded, 2000 corporate devices running posture checks daily, and 500 different guest users each day authenticating using the web login feature.

Which of the following best describes the license mix that they need to purchase?

- A. CP-HW-500, 2500 Clearpass Enterprise
- B. CP-HW-5k, 2500 Clearpass Enterprise
- C. CP-HW-5k, 4500 Clearpass Enterprise
- D. CP-HW-25k, 4500 Clearpass Enterprise
- E. CP-HW-25k, 4000 Clearpass Enterprise

Correct Answer: D

QUESTION 3

A customer would like to deploy ClearPass with the following objectives: they have 3000 corporate laptops doing EAP-TLS authentication daily, 1000 personal smartphone devices that need to be onboarded. The corporate laptops are required to pass a posture check before getting access to the network.

Which of the following best describes the license mix that they need to purchase?

- A. CP-HW-5k, 1000 Clearpass Enterprise
- B. CP-HW-5k, 1000 Onboard, 3000 Onguard
- C. CP-HW-25k, 1000 Clearpass Enterprise
- D. CP-HW-25k, 1000 Onboard, 3000 Onguard
- E. CP-HW-25k, 3000 Onguard

Correct Answer: B

QUESTION 4

A customer would like to deploy ClearPass with the following objectives: Every day, 100 employees authenticate with their corporate laptops using EAP-TLS. Every Friday, there is a meeting with business partners and an additional 50 devices authenticate using Web Login Guest Authentication.

Which of the following is correct? (Choose 2)

- A. When counting policy manager licenses, they need to include the additional 50 business partner devices
- B. When counting policy manager licenses, they can exclude the additional 50 business partner devices
- C. They should purchase guest licenses
- D. They should purchase onboard licenses
- E. They should purchase onguard licenses

Correct Answer: AC

QUESTION 5

Which licenses are included in the built in Starter kit for Clearpass?

- A. 25 ClearPass Policy Manager licenses
- B. 25 Clearpass Enterprise licenses
- C. 10 ClearPass Guest licenses, 10 ClearPass OnGuard licenses and 10 ClearPass Onboard licenses
- D. 25 ClearPass Profiler licenses
- E. 10 Clearpass Enterprise licenses

Correct Answer: B

QUESTION 6

What is the function of ClearPass Onboard?

- A. Provide guest access for visitors to connect to the network
- B. Process authentication requests based on policy services
- C. Profile devices connecting to the network
- D. Provision personal devices to securely connect to the network
- E. To allow a windows machine to use machine authentication to access the network

Correct Answer: D

QUESTION 7

What is the Onboard license usage based on?

- A. Each user connected to the provisioning SSID uses 1 Onboard license.
- B. Each user authenticated using the Onboard credential uses 1 Onboard license.
- C. Each user provisioned using the Onboard process uses 1 Onboard license.
- D. Each user that has the OnGuard agent downloaded uses 1 Onboard license.
- E. Each user that downloads the Onboard application to their iOS device uses 1 Onboard license.

Correct Answer: C

QUESTION 8

An employee provisions their personal smart phone using the Onboard process. In addition, they have a corporate laptop given to them by IT that connects to the secure network. How many licenses does the user consume?

- A. 1 Policy Manager license, 1 Onboard License.
- B. 1 Policy Manager license, 1 Guest License.
- C. 2 Policy Manager licenses, 1 Onboard License.
- D. 2 Policy Manager licenses, 2 Onboard Licenses.
- E. 1 Policy Manager license, 2 Guest licenses.

Correct Answer: C

QUESTION 9

An employee authenticates using their corporate laptop and runs the dissolvable onguard agent to send a health check back the Policy Manager. Based on the health of the device a VLAN is assigned to the corporate laptop.

Which licenses are consumed in this scenario?

- A. 1 Policy Manager license, 1 Onboard License.
- B. 1 Policy Manager license, 1 OnGuard License.

- C. 2 Policy Manager licenses, 1 OnGuard License.
- D. 1 Policy Manager license, 1 Profile License.
- E. 2 Policy Manager licenses, 2 OnGuard licenses.

Correct Answer: B

QUESTION 10

A customer would like to deploy ClearPass with the following objectives: they have between 2000 to 3000 corporate users that need to authenticate daily using EAP-TLS. They want to allow for up to 1000 employee devices to be onboarded. They would also like to allow up to 100 different guest users each day to authenticate using the web login feature.

Which of the following best describes the license mix that they need to purchase?

- A. CP-HW-5k, 100 Onboard, 100 Guest.
- B. CP-HW-500, 1000 Onboard, 100 Guest.
- C. CP-HW-2k, 1000 Onboard, 100 Guest.
- D. CP-HW-5k, 2500 Enterprise.
- E. CP-HW-5k, 1000 Enterprise.

Correct Answer: D

QUESTION 11

Which of the following statements is true about the Endpoint Profiler? (Choose 2)

- A. The Endpoint Profiler requires the Onboard license to be enabled.
- B. The Endpoint Profiler uses DHCP fingerprinting for device categorization.
- C. Data obtained from the Endpoint Profiler can be used in Enforcement Policy.
- D. The Endpoint Profiler can only categorize laptops and desktops.
- E. Endpoint Profiler requires a profiling license.

Correct Answer: BC

QUESTION 12

Which of the following methods can be used as collectors for device profiling? (Choose 2)

- A. OnGuard agent
- B. Active Directory Attributes
- C. ActiveSync Plugin
- D. Username and Password
- E. Client's role on the controller

Correct Answer: AC

QUESTION 13

Refer to the screen capture below:

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	<input checked="" type="checkbox"/>

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 upon Endpoint information shown here, which collectors were used to profile the device as Apple iPad? (Choose 2)

- A. OnGuard Agent
- B. HTTP User-Agent
- C. DHCP fingerprinting
- D. SNMP
- E. SmartDevice

Correct Answer: BC

QUESTION 14

To setup an Aruba Controller as DHCP relay for device fingerprinting, which of the following IP addresses needs to be configured?

- A. DHCP server IP
- B. ClearPass server IP
- C. Active Directory IP
- D. Microsoft NPS server IP
- E. Switch IP

Correct Answer: B

QUESTION 15

What database in the Policy Manager contains the device attributes derived by profiling?

- A. Local Users Repository
- B. Onboard Devices Repository
- C. Endpoints Repository

- D. Guest User Repository
- E. Client Repository

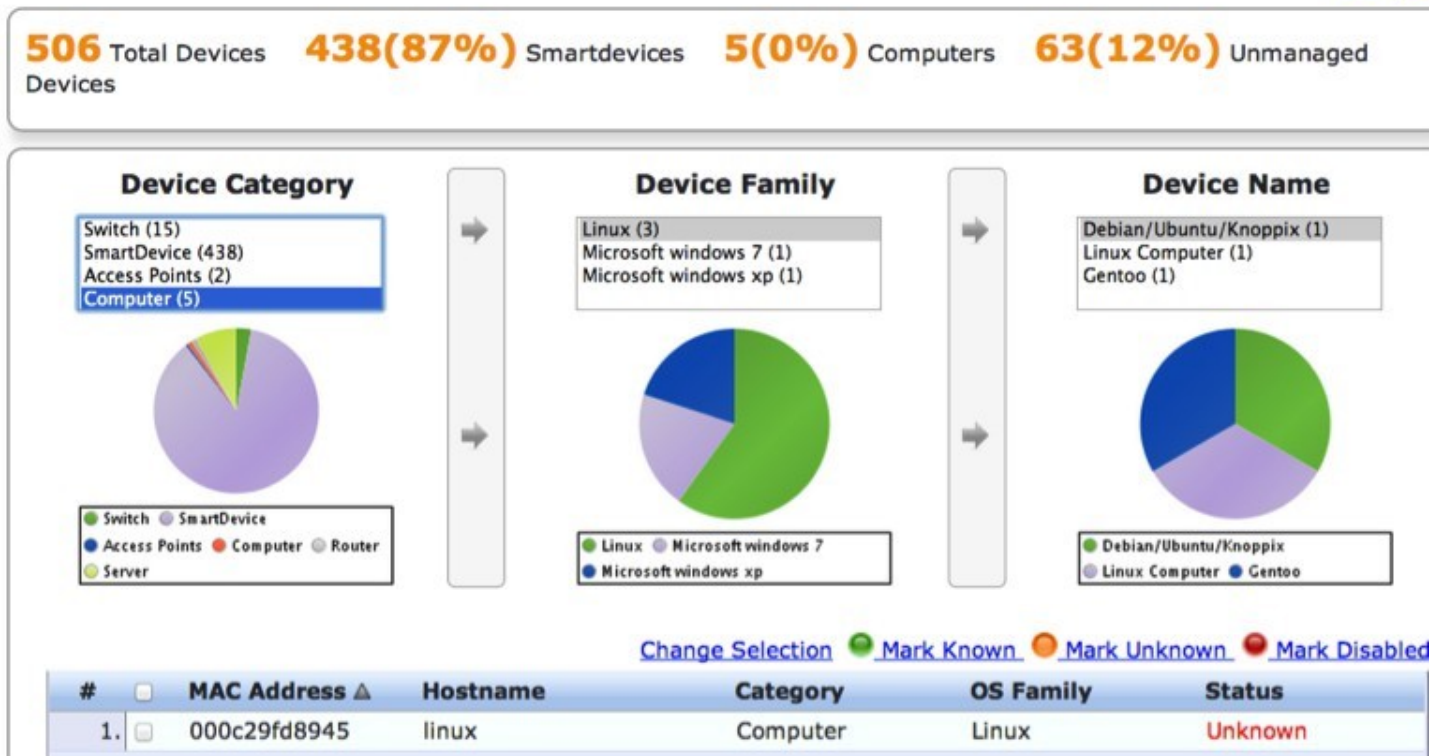
Correct Answer: C

QUESTION 16

Refer to the screen capture below:

Endpoint Profiler

[Change](#)



Based on the Endpoint Profiler output shown here, which of the following statements is true?

- A. The devices have been profiled using DHCP fingerprinting.
- B. There are 5 devices profiled in the Computer Device Category.
- C. Apple devices will be profiled in the SmartDevice category.
- D. There is only 1 Microsoft Windows device present in the network.
- E. The linux device with MAC address 000c29fd8945 has not been profiled.

Correct Answer: B

QUESTION 17

Which of the following conditions can be used for rule creation of an Enforcement Policy? (Choose 3)

- A. System Time
- B. Clearpass IP address
- C. Posture
- D. Switch VLAN
- E. Connection Protocol

Correct Answer: ACE

QUESTION 18

Refer to the screen capture below:

Enforcement Policies - Enterprise Enforcement Policy

Summary	Enforcement	Rules
Enforcement:		
Name:	Enterprise Enforcement Policy	
Description:	Enforcement policies for local and remote employees	
Enforcement Type:	RADIUS	
Default Profile:	[Deny Access Profile]	
Rules:		
Rules Evaluation Algorithm:	Evaluate all	
Conditions	Actions	
1. (Tips:Posture EQUALS HEALTHY (0)) AND (Tips:Role MATCHES_ANY Remote Worker testqa)	[RADIUS] EMPLOYEE_VLAN, [RADIUS] Remote Employee ACL	
2. AND (Date:Day-of-Week NOT_BELONGS_TO Saturday, Sunday)		
(Tips:Role EQUALS Senior_Mgmt)	[RADIUS] EMPLOYEE_VLAN	
3. AND (Date:Day-of-Week NOT_BELONGS_TO Saturday, Sunday)		
(Tips:Role EQUALS San Jose HR Local)	HR VLAN	
4. AND (Tips:Posture EQUALS HEALTHY (0))		
(Tips:Role EQUALS [Guest])	[RADIUS] WIRELESS_GUEST_NETWORK	
5. AND (Connection:SSID CONTAINS guest)		
(Tips:Role EQUALS Remote Worker)	RestrictedACL	
6. AND (Tips:Posture NOT_EQUALS HEALTHY (0))		

Based on the Enforcement Policy configuration, if a user with Role Engineer connects to the network and the posture token assigned is Unknown, what Enforcement Profile will be applied?

- A. EMPLOYEE_VLAN
- B. Remote Employee ACL
- C. RestrictedACL
- D. Deny Access Profile
- E. HR VLAN

Correct Answer: D

QUESTION 19

Refer to the screen capture below:

Enforcement Policies - Enterprise Enforcement Policy

Summary	Enforcement	Rules
Enforcement:		
Name:	Enterprise Enforcement Policy	
Description:	Enforcement policies for local and remote employees	
Enforcement Type:	RADIUS	
Default Profile:	[Deny Access Profile]	
Rules:		
Rules Evaluation Algorithm:	Evaluate all	
Conditions	Actions	
1. (Tips:Posture EQUALS HEALTHY (0)) AND (Tips:Role MATCHES_ANY Remote Worker testqa) AND (Date:Day-of-Week NOT_BELONGS_TO Saturday, Sunday)	[RADIUS] EMPLOYEE_VLAN, [RADIUS] Remote Employee ACL	
2. (Tips:Role EQUALS Senior_Mgmt) AND (Date:Day-of-Week NOT_BELONGS_TO Saturday, Sunday)	[RADIUS] EMPLOYEE_VLAN	
3. (Tips:Role EQUALS San Jose HR Local) AND (Tips:Posture EQUALS HEALTHY (0))	HR VLAN	
4. (Tips:Role EQUALS [Guest]) AND (Connection:SSID CONTAINS guest)	[RADIUS] WIRELESS_GUEST_NETWORK	
5. (Tips:Role EQUALS Remote Worker) AND (Tips:Posture NOT_EQUALS HEALTHY (0))	RestrictedACL	

Based on the Enforcement Policy configuration, if a user with Role Remote Worker connects to the network and the posture token assigned is quarantine, what Enforcement Profile will be applied?

- A. EMPLOYEE_VLAN
- B. Remote Employee ACL
- C. RestrictedACL
- D. Deny Access Profile
- E. HR VLAN

Correct Answer: C

QUESTION 20

Refer to the screen capture below:

Enforcement:

Name:	Handheld_Wireless_Access_Policy
Description:	Enforcement policy for handheld wireless access
Enforcement Type:	RADIUS
Default Profile:	WIRELESS_CAPTIVE_NETWORK

Rules:

Rules Evaluation Algorithm:	First applicable
Conditions	Actions
1. (Tips:Role MATCHES_ANY [guest])	WIRELESS_GUEST_NETWORK
2. (Endpoint:OS Version CONTAINS Android)	WIRELESS_HANDHELD_NETWORK
3. (Tips:Role MATCHES_ANY conferencelaptop developer senior_mgmt testqa Role_Engineer)	WIRELESS_EMPLOYEE_NETWORK

Based on the Enforcement Policy configuration, if a user connects to the network using an Apple iphone, what Enforcement Profile is applied?

- A. WIRELESS_CAPTIVE_NETWORK
- B. WIRELESS_HANDHELD_NETWORK
- C. WIRELESS_GUEST_NETWORK
- D. WIRELESS_EMPLOYEE_NETWORK
- E. Deny Access

Correct Answer: A

QUESTION 21

Refer to the screen capture below:

Enforcement:

Name:	Handheld_Wireless_Access_Policy
Description:	Enforcement policy for handheld wireless access
Enforcement Type:	RADIUS
Default Profile:	WIRELESS_CAPTIVE_NETWORK

Rules:

Rules Evaluation Algorithm:	First applicable
Conditions	Actions
1. (Tips:Role MATCHES_ANY [guest])	WIRELESS_GUEST_NETWORK
2. (Endpoint:OS Version CONTAINS Android)	WIRELESS_HANDHELD_NETWORK
3. (Tips:Role MATCHES_ANY conferencelaptop developer senior_mgmt testqa Role_Engineer)	WIRELESS_EMPLOYEE_NETWORK

A user who is tagged with the ClearPass roles of Role_Engineer and developer, but not testqa, connects to the network with a corporate Windows laptop. What Enforcement Profile is applied?

- A. WIRELESS_CAPTIVE_NETWORK
- B. WIRELESS_HANDHELD_NETWORK
- C. WIRELESS_GUEST_NETWORK
- D. WIRELESS_EMPLOYEE_NETWORK
- E. Deny Access

Correct Answer: D

QUESTION 22

Which of the following components of a Policy Service is mandatory?

- A. Enforcement
- B. Posture
- C. Profiler
- D. Role Mapping Policy
- E. Authorization Source

Correct Answer: A

QUESTION 23

Which of the following options is the correct order of steps of a Policy Service request?

- 1) Clearpass tests the request against Service Rules to select a Policy Service.
- 2) Clearpass applies the Enforcement Policy.
- 3) Negotiation of the Authentication Method occurs between the NAD and Clearpass.
- 4) Clearpass sends the Enforcement Profile attributes to the NAD.
- 5) NAD forwards authentication request to Clearpass.

- A. 1, 3, 2, 4, 5
- B. 5, 1, 3, 2, 4
- C. 5, 1, 3, 4, 2

- D. 1, 2, 3, 4, 5
- E. 2, 3, 4, 5, 1

Correct Answer: B

QUESTION 24

Which of the following information is NOT required while building a Policy Service for 802.1X authentication?

- A. Network Access Device used
- B. Authentication Method used
- C. Authentication Source used
- D. Posture Token of the client
- E. Profiling information of the client

Correct Answer: D

QUESTION 25

Which of the following components can use Active Directory authorization attributes for the decision-making process? (Choose 2)

- A. Role Mapping Policy
- B. Posture Policy
- C. Enforcement Policy
- D. Service Rules

Correct Answer: AC

QUESTION 26

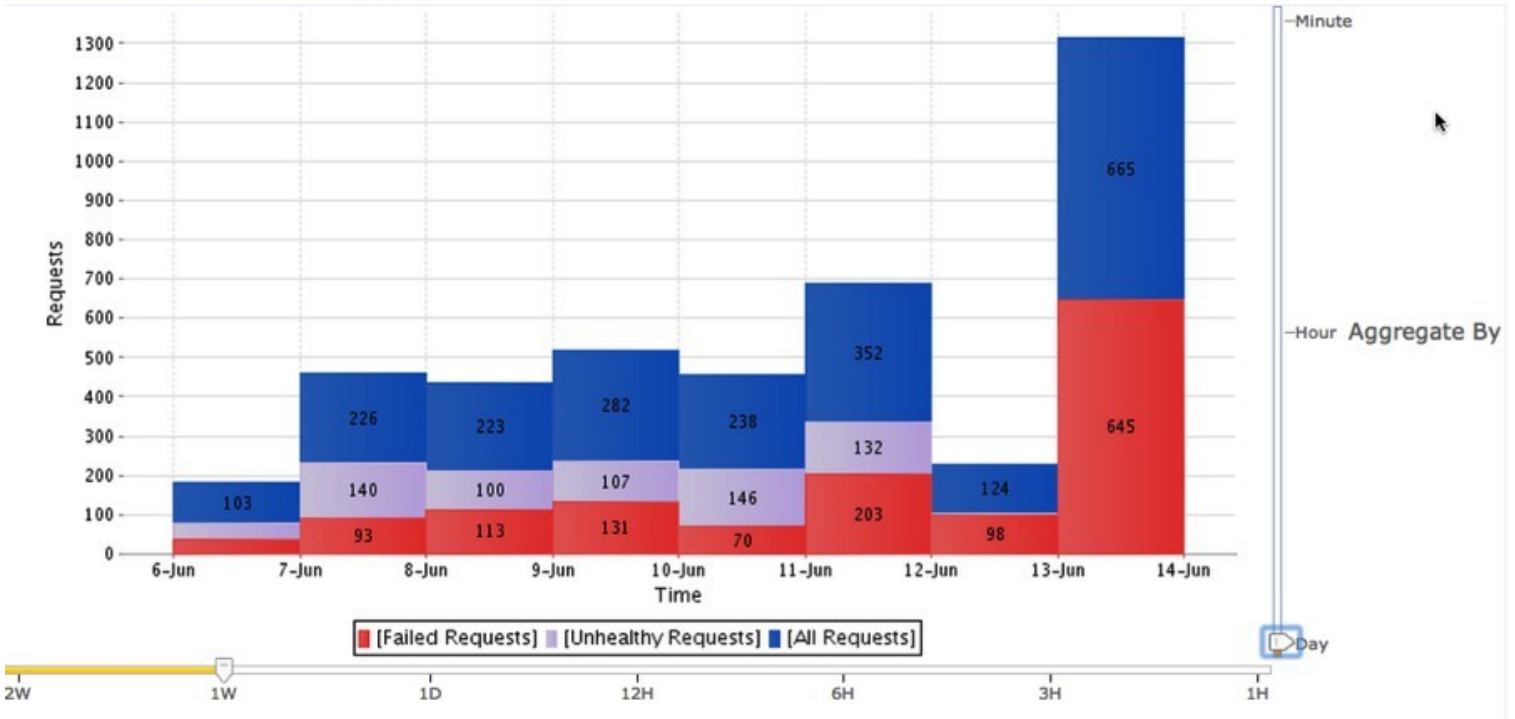
What information can we conclude from the following graph?

Last updated at: 2013/06/13 13:06:55 CDT

Select Server: cplab.clearpassdemo.com (10.80.2.106)

Customize This! + Toggle Chart Type Add new Data Filter

Update Now!



- A. This graph represents all authentication requests received by Clearpass in one year.
- B. This graph represents all authentication requests received by Clearpass in a day.
- C. The graph represents all authentication requests received by Clearpass in a month.
- D. Each bar represents total authentication requests per minute.
- E. Each bar represents total authentication requests per day.

Correct Answer: E

QUESTION 27

What information can we conclude from the above audit row detail? (Choose 2)

Audit Row Details

Old Data

New Data

Inline Difference

Service Details

Precedence Order

3
4

Authentication

Authentication Sources

1. [Onboard Devices Repository] [Local SQL DB]
2. testtraining [Active Directory]
3. radius01 [Active Directory]
4. [Endpoints Repository] [Local SQL DB]
5. [Local User Repository] [Local SQL DB]

Modified

Added

Deleted

Moved up

Moved down

Close

- A. radius01 was added as an authentication source.
- B. radius01 was deleted from the list of authentication sources.
- C. The policy service was moved to position number 3.
- D. The policy service was moved to position number 4.
- E. radius01 was moved to position number 4.

Correct Answer: BD

QUESTION 28

What is the purpose of the Audit Viewer in the Monitoring section of ClearPass Policy Manager?

- A. To audit client authentications.
- B. To audit the network for PCI compliance.
- C. To display the entire configuration of the ClearPass Policy Manager.
- D. To display changes made to the ClearPass configuration.
- E. To display system events.

Correct Answer: D

QUESTION 29

If the "Alerts" tab in an authentication session details tab in Access Tracker shows the following error message "Access denied by policy", what could be a possible cause for authentication failure?

- A. Implementation of an Enforcement Policy
- B. Implementation of a firewall policy
- C. Failure to categorize the request in a Clearpass service
- D. Implementation of a Posture Policy
- E. Failure to activate the enforcement policy

Correct Answer: A

QUESTION 30

If a client's authentication is failing and there are no entries in the Clearpass's Access Tracker, which of the following is a possible reason for the authentication failure?

- A. The client used a wrong password.
- B. The user is not found in the database.
- C. The shared secret between Network Access Device and Clearpass does not match.
- D. The user account has expired.
- E. The user's certificate is invalid.

Correct Answer: C

QUESTION 31

Which of the following statements is true based on the Access Tracker output shown below?

Monitoring & Reporting » Live Monitoring » Access Tracker

Access Tracker

Jul 12, 2012 10:26:39 PDT

Data Filter: [All Requests] Server: Clearpass6 (10.254.1.176)
 Date Range: Last 1 day before Today

Filter: Type contains [] + Go Clear Filter Show 10 records

Server	Type	User	Service Name	Login	Date
10.254.1.176	RADIUS	8C705A065CF0		REJECT	2012/07/12 10:26:39 PDT

Request Details

Summary Input Output Alerts

Error Code: 204

Error Category: Authentication failure

Error Message: Failed to classify request to service

Alerts for this Request

RADIUS Service Categorization failed

- A. The client wireless profile is incorrectly setup.
- B. Clearpass does not have a service enabled for MAC authentication.
- C. The client MAC address is not present in the Endpoints table in the Clearpass database.
- D. The client used incorrect credentials to authenticate to the network.
- E. The RADIUS client on the Windows server failed to categorize the service correctly.

Correct Answer: B

QUESTION 32

Which of the following are valid policy simulation types in Clearpass? (Choose 3)

- A. Role Mapping
- B. Endpoint Profiler
- C. Authorization Attributes
- D. Chained Simulation
- E. Enforcement Policy

Correct Answer: ADE

QUESTION 33

The screenshot here from the Event Viewer in ClearPass shows an error when a user does an EAP-TLS authentication to ClearPass through an Aruba Controller's Wireless Network.

Monitoring » Event Viewer

Event Viewer

Filter: Source contains RADIUS

#	Source	Level	Category
1.	RADIUS	ERROR	Authentication

System Event Details

Source	RADIUS
Level	ERROR
Category	Authentication
Action	Unknown
Timestamp	May 09, 2013 23:29:31 UTC
Description	Received packet from 10.8.10.100 with invalid Message-Authenticator! (Shared secret is incorrect.)

What is the cause of this error?

- A. The client has sent an incorrect shared secret for the 802.1X authentication.
- B. The controller has sent an incorrect shared secret for the RADIUS authentication.

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