HPE6-A81 Q&As

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QUESTION 1

Where is the following information stored in ClearPass?

1.

Roles and Posture for Connected Clients

2.

System Health for OnGuard

3.

Machine authentication State

4.

CoA session info

5.

Mapping of connected clients to NAS/NAD

A. Multi-Master cache

B. Endpoint database

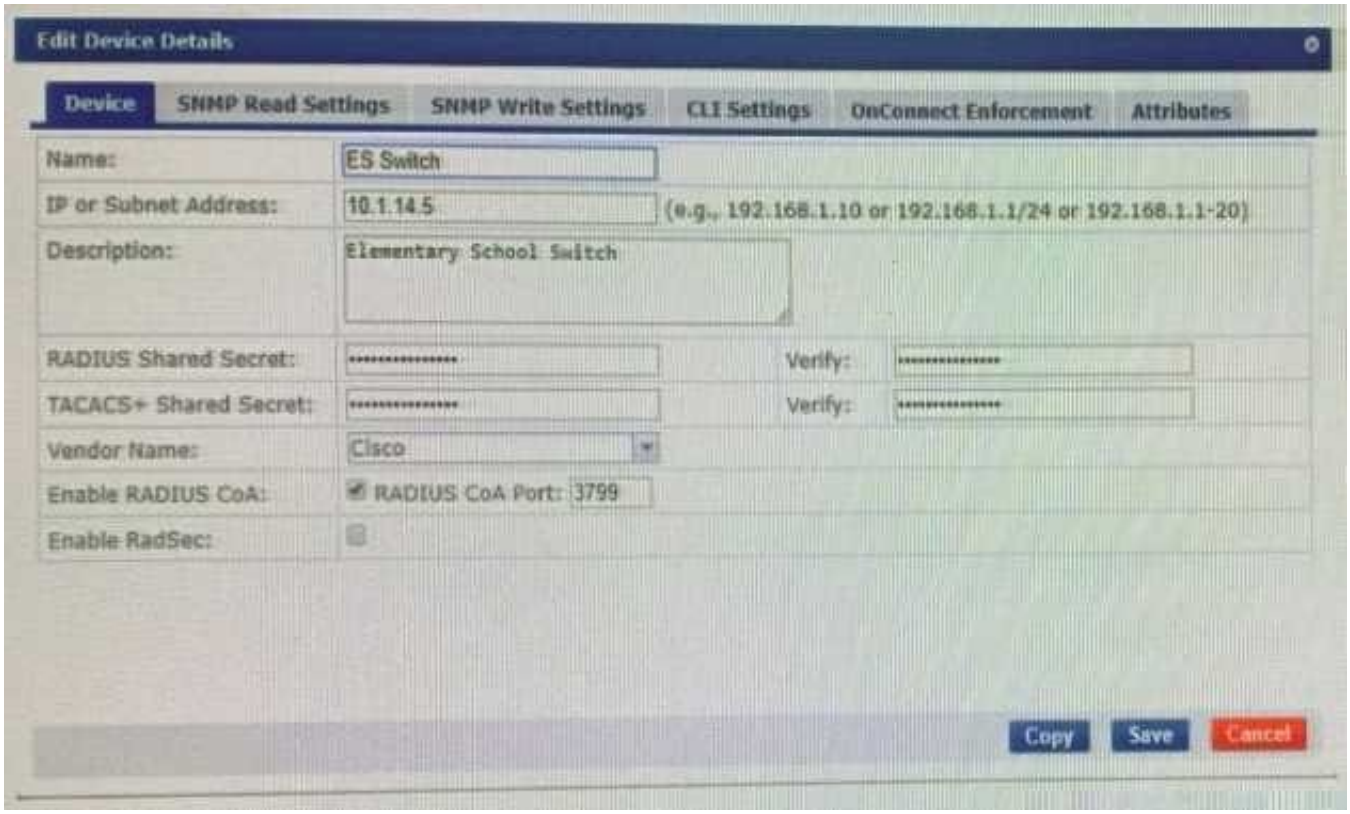
C. insight database

D. ClearPass system cache

Correct Answer: D

QUESTION 2

Refer to the exhibit: What are valid options for Network Access Device Settings? (Select two.)



A. You can configure SNMP Read Settings to monitor the load of a NAD in order not to overload it with the requests.

B. In CLI settings, you can define the access credentials and the command templates that will be used.

C. You can configure SNMP Write Settings to send commands to the devices that do not support other methods.

D. On the Attributes tab. you can enable the service to write attributes like Location and Device type based on policy.

E. The OnConnect Enforcement allows you to enable specific ports that trigger Enforcement when any device connects.

Correct Answer: DE

QUESTION 3

You have recently implemented a serf-registration portal in ClearPass Guest to be used on a Guest SSID broadcast from an Aruba controller. Your customer has started complaining that the users are not able to reliably access the internet after clicking the login button on the receipt page. They tell you that the users will click the login button multiple times and alter about a minute they gain access. What could be causing this issue?

A. The self-registration page is configured with a 1 minute login delay.

B. The guest client is delayed getting an IP address from the DHCP server.

C. The guest users are assigned a firewall user role that has a rate limit.

D. The enforcement profile on ClearPass is set up with an lETF:session delay.

Correct Answer: A

QUESTION 4

A customer is planning to implement machine and user authentication on infrastructure with one Aruba

Controller and a single ClearPass Server.

What should the customer consider while designing this solution? (Select three.)

A. The Windows User must log off, restart or disconnect their machine to initiate a machine authentication before the cache expires.

B. The machine authentication status is written in the Multi-master cache on the ClearPass Server for 24 hrs.

C. Onboard must be used to install the Certificates on the personal devices to do the user and machine authentication.

D. The Customer should enable Multi-Master Cache Survivability as the Aruba Controller will not cache the machine state.

E. Machine Authentication only uses EAP TLS, as such a PKI infrastructure should be in place for machine authentication.

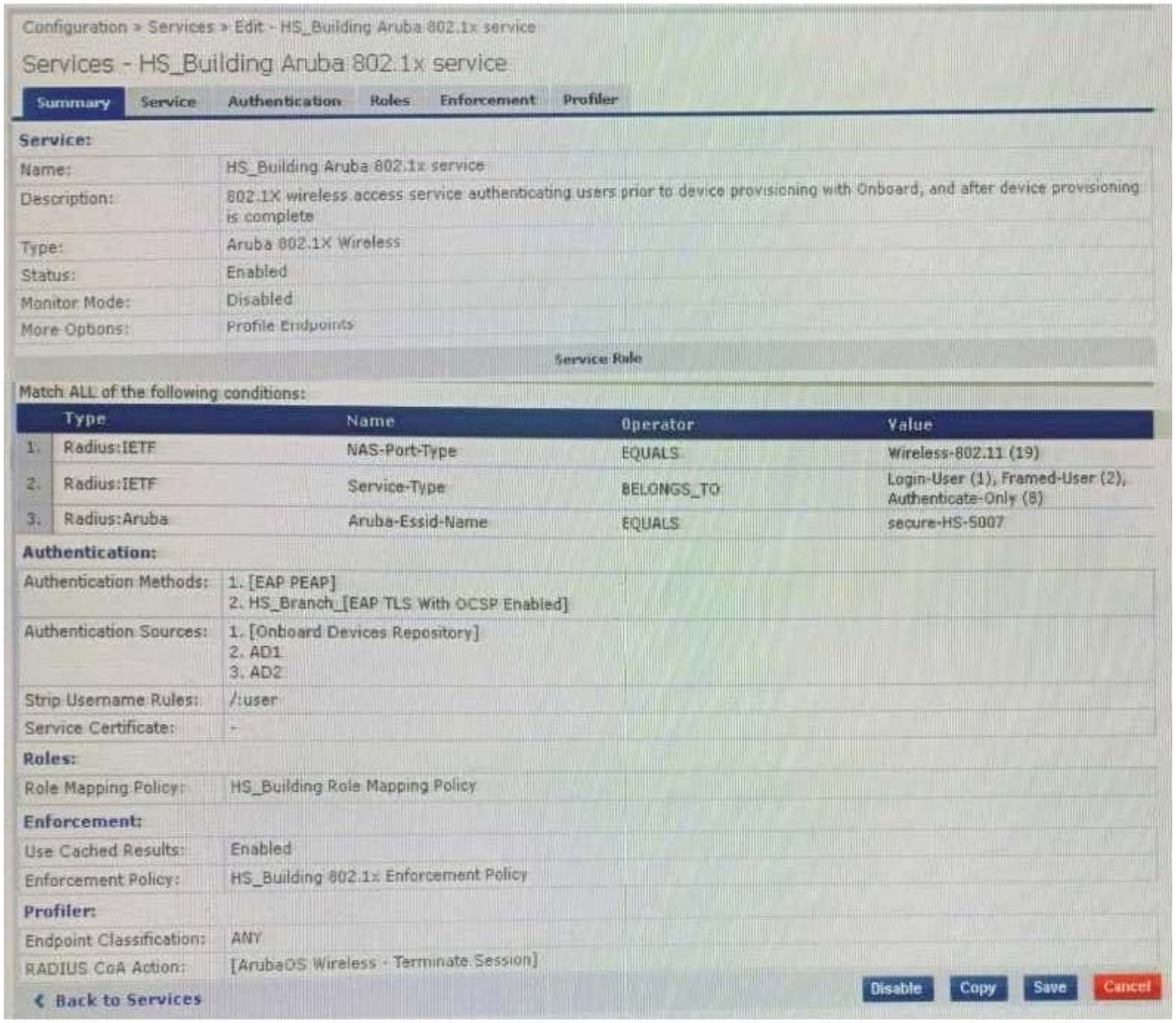
F. The customer does not need to worry about Multi-Master Cache Survivability because the Controller will also cache the machine state.

Correct Answer: BCE

QUESTION 5

Refer to the exhibit:


Request Details
Summary
Input
Output
Alerts
Login Status: REJECT
Session Identifier: R00000218-01-5d9db68b
Date and Time: Oct 09, 2019 06:29:34 EDT
End-Host Identifier: 78D29437BD68 (Computer / Windows / Windows 10)
Username: andy07
Access Device IP/Port: 10.1.70.100:0 (ArubaController / Aruba)
System Posture Status: UNKNOWN (100)
Policies Used -
Service: HS_Building Aruba 802.1x service
Authentication Method: EAP-PEAP,EAP-MSCHAPv2
Authentication Source: AD:AD1.aruba1.local
Authorization Source: AD1
Roles: [Other], [User Authenticated]
Enforcement Profiles: [Deny Access Profile]
Service Monitor Mode: Disabled
Online Status: Not Available
Showing 1 of 1-20 records
Show Configuration
Export
Show Logs
Close
Request Details
Summary
Input
Output
Alerts
Error Code: 206
Error Category: Authentication failure
Error Message: Access denied by policy
Alerts for this Request
RADIUS Applied 'Reject' profile



Configuration » Services » Edit - HS_Building Aruba 802.1x service

Services - HS_Building Aruba 802.1x service

Summary | Service | Authentication | Roles | Enforcement | Profiler

Service:

Name:	HS_Building Aruba 802.1x service
Description:	802.1X wireless access service authenticating users prior to device provisioning with Onboard, and after device provisioning is complete
Type:	Aruba 802.1X Wireless
Status:	Enabled
Monitor Mode:	Disabled
More Options:	Profile Endpoints

Service Rule

Match ALL of the following conditions:

	Type	Name	Operator	Value
1.	Radius:IETF	NAS-Port-Type	EQUALS	Wireless-802.11 (19)
2.	Radius:IETF	Service-Type	BELONGS_TO	Login-User (1), Framed-User (2), Authenticate-Only (8)
3.	Radius:Aruba	Aruba-Essid-Name	EQUALS	secure-HS-5007

Authentication:

Authentication Methods:	1. [EAP PEAP] 2. HS_Branch_[EAP TLS With OCSP Enabled]
Authentication Sources:	1. [Onboard Devices Repository] 2. AD1 3. AD2
Strip Username Rules:	/:user
Service Certificate:	-

Roles:

Role Mapping Policy:	HS_Building Role Mapping Policy

Enforcement:

Use Cached Results:	Enabled
Enforcement Policy:	HS_Building 802.1x Enforcement Policy

Profiler:

Endpoint Classification:	ANY
RADIUS CoA Action:	[ArubaOS Wireless - Terminate Session]

« Back to Services

Disable | Copy | Save | Cancel

Configuration » Services » Edit - HS_Building Aruba 802.1x service

Services - HS_Building Aruba 802.1x service

Summary | Service | Authentication | Roles | Enforcement | Profiler

Role Mapping Policy: HS_Building Role Mapping Policy | Modify | Add New Role Mapping Policy

Role Mapping Policy Details

Description:	
Default Role:	[Other]
Rules Evaluation Algorithm:	first-applicable

	Conditions	Role
1.	(Connection:Client-Mac-Address BELONGS_TO_GROUP VIP User MAC)	VIP User
2.	(Authorization:Corp SQL:MAC EXISTS)	Corp SQL Tablet
3.	(Authorization:[Endpoints Repository]:Category EQUALS VoIP Phone)	IP Phone
4.	(Authorization:[Endpoints Repository]:Category EQUALS SmartDevice)	Personal SmartDevice
5.	(Authorization:[Endpoints Repository]:Category EQUALS Point of Sale devices)	Vending Machine
6.	(Authorization:[Endpoints Repository]:Category EQUALS Printer) AND (Authorization:[Endpoints Repository]:MAC Vendor EQUALS CANON INC.)	Printer
7.	(Authorization:[Endpoints Repository]:Category EQUALS Network Camera) AND (Authorization:[Endpoints Repository]:MAC Vendor EQUALS Axis Communications AB)	IP Camera

Configuration » Services » Edit - HS_Building Aruba 802.1x service

Services - HS_Building Aruba 802.1x service

Summary | Service | Authentication | Roles | Enforcement | Profiler

Use Cached Results: Use cached Roles and Posture attributes from previous sessions

Enforcement Policy: HS_Building 802.1x Enforcement Policy | Modify | Add New Enforcement Policy

Enforcement Policy Details

Description:	
Default Profile:	[Deny Access Profile]
Rules Evaluation Algorithm:	first-applicable

	Conditions	Enforcement Profiles
1.	(Endpoint:MDM Enabled EQUALS true)	Aruba Full Access Profile
2.	(Authentication:OuterMethod EQUALS EAP-PEAP) AND (Tips:Role EQUALS Corp SQL Tablet)	Redirect to Aruba OnBoard Portal
3.	(Authentication:OuterMethod EQUALS EAP-TLS) AND (Tips:Role EQUALS Corp SQL Tablet)	Aruba Full Access Profile
4.	(Tips:Role EQUALS VIP User)	Aruba VIP Full Access Profile
5.	(Tips:Role MATCHES_ALL [User Authenticated] [Machine Authenticated]) AND (Authentication:Source EQUALS AD1) AND (Tips:Posture EQUALS HEALTHY (0))	Aruba Full Access Profile
6.	(Tips:Role MATCHES_ALL [User Authenticated] [Machine Authenticated]) AND (Authentication:Source EQUALS AD1) AND (Tips:Posture EQUALS UNKNOWN (100))	Aruba Limited Access Profile, Redirect to Aruba Dissolvable_page Profile
7.	(Tips:Role MATCHES_ALL [User Authenticated] [Machine Authenticated]) AND (Authentication:Source EQUALS AD1) AND (Tips:Posture NOT_EQUALS HEALTHY (0))	Redirect to Aruba Quarantine Profile

Your company has a postgres SQL database with the MAC addresses of the company-owned tablets You have configured a role mapping condition to tag the SQL devices. When one of the tablets connects to the network, it does not get the correct role and receives a deny access profile.

How would you resolve the issue?

A. Remove SQL condition from role mapping policy and add it under the enforcement policy conditions.

B. Edit the SQL authentication source niter attributes and modify the SQL server filter query.

C. Add the SQL server as an authentication source and map .t under the authentication tab in the service.

D. Enable authorization tab in the service and add the SQL server as an authorization source.

Correct Answer: B