HPE6-A81^Q&As

Aruba Certified ClearPass Expert Written Exam

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QUESTION 1

A customer has a ClearPass cluster deployment with one Publisher and one Subscriber configured as a Standby Publisher at the Headquarters DataCenter They also have a large remote site that is connected with an Aruba SD Branch solution over a two Mbps Internet connection. The Remote Site has two ClearPass servers acting as Subscribers. The solution implemented for the customer includes OnGuard, Guest Self Registration, and Employee 802. ix authentication. The client is complaining that users connecting to an IAP Clusters Guest SSID located at the Remote Site are experiencing a significant delay in accessing the Guest Captive Portal page. What could be a possible cause of this behavior?

A. The configuration of the captive portal is pointing to a link located on one of the servers in the Headquarters

B. The ClearPass Cluster has no zones defined and the guest captive portal request is being redirected to the Publisher

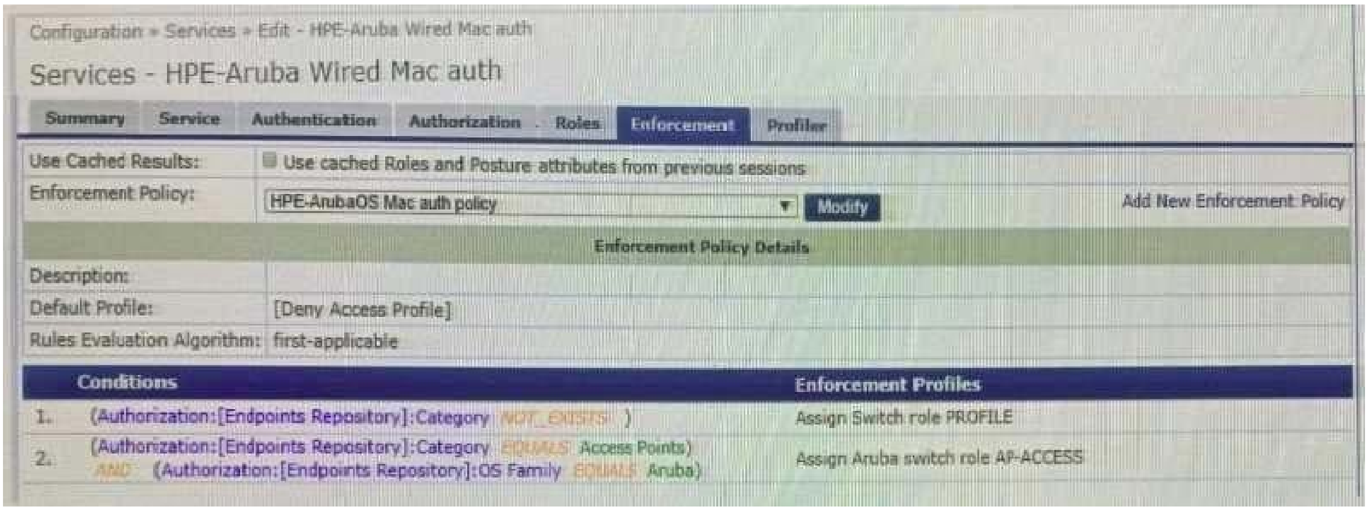
C. The guest page is not optimized to work with the client browser and a proper theme should be applied

D. The captive portal page was only created on the Publisher and requests are getting redirected to a Subscriber

Correct Answer: A

QUESTION 2

Refer to the exhibit: You are doing a ClearPass PoC at a customer site with a single Aruba Mobility Controller. The customer asked for a demonstration of a simple Web Login functionality. You used a service template to create the guest services. During testing, the user gets redirected back to the weblogin page with an Authentication failed message. The guest configurations on the Aruba Mobility Controller are configured correctly. Why would the guest fail to authenticate successfully?


Configuration » Services » Edit - HPE-Aruba Wired Mac auth
Summary
Service
Authentication
Authorization
Roles
Enforcement
Profiler
Modify
Add New Enforcement Policy

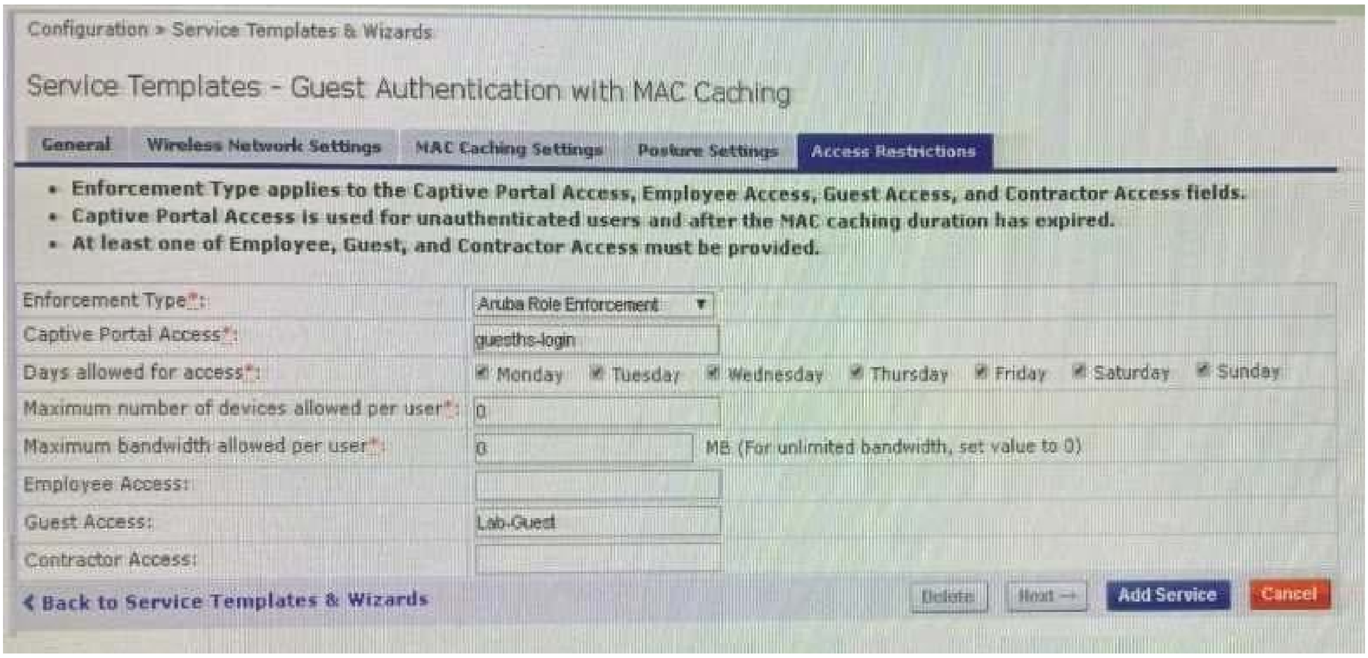
Services - HPE-Aruba Wired Mac auth

Use Cached Results:	□ Use cached Roles and Posture attributes from previous sessions
Enforcement Policy:	HPE-ArubaOS Mac auth policy

Enforcement Policy Details

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

	Conditions	Enforcement Profiles
1.	(Authorization:[Endpoints Repository]:Category NOT_EXISTS)	Assign Switch role PROFILE
2.	(Authorization:[Endpoints Repository]:Category EQUALS Access Points) AND (Authorization:[Endpoints Repository]:OS Family EQUALS Aruba)	Assign Aruba switch role AP-ACCESS

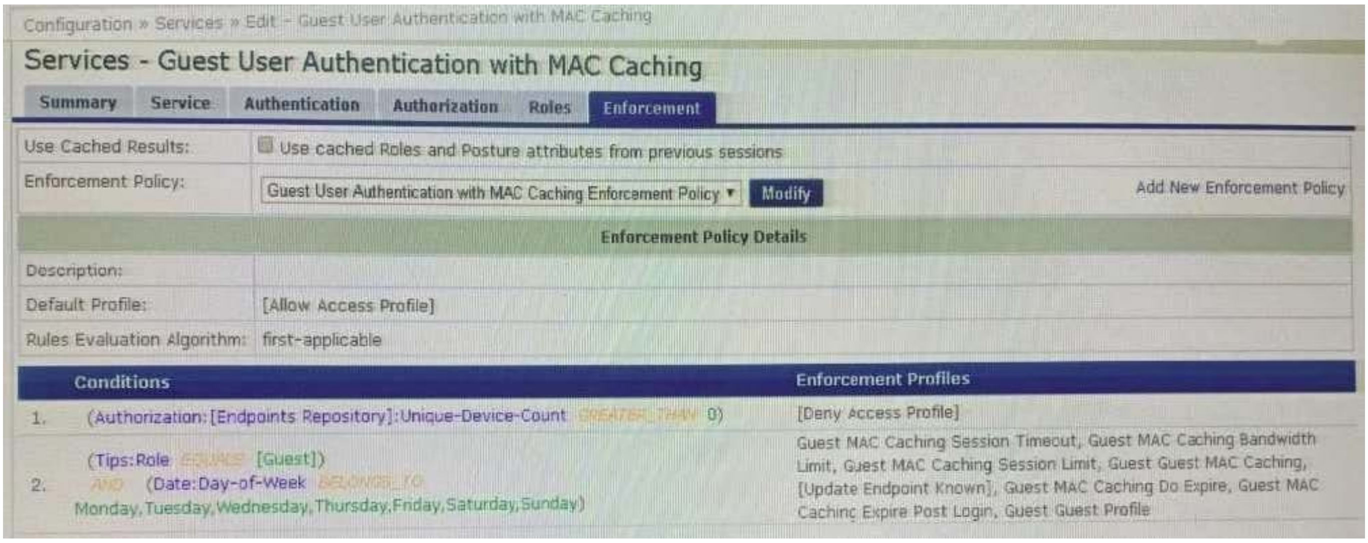


Configuration » Service Templates & Wizards

Service Templates - Guest Authentication with MAC Caching

- Enforcement Type applies to the Captive Portal Access, Employee Access, Guest Access, and Contractor Access fields.
- Captive Portal Access is used for unauthenticated users and after the MAC caching duration has expired.
- At least one of Employee, Guest, and Contractor Access must be provided.

Enforcement Type*:	Aruba Role Enforcement ▾
Captive Portal Access*:	guesths-login
Days allowed for access*:	☑ Monday ☑ Tuesday ☑ Wednesday ☑ Thursday ☑ Friday ☑ Saturday ☑ Sunday
Maximum number of devices allowed per user*:	0
Maximum bandwidth allowed per user*:	0 MB (For unlimited bandwidth, set value to 0)
Employee Access:	
Guest Access:	Lab-Guest
Contractor Access:	



Configuration » Services » Edit - Guest User Authentication with MAC Caching

Services - Guest User Authentication with MAC Caching

Use Cached Results:	□ Use cached Roles and Posture attributes from previous sessions
Enforcement Policy:	Guest User Authentication with MAC Caching Enforcement Policy ▾ Modify

Enforcement Policy Details

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

	Conditions	Enforcement Profiles
1.	(Authorization:[Endpoints Repository]:Unique-Device-Count GREATER_THAN 0)	[Deny Access Profile]
2.	(Tips:Role EQUALS [Guest]) AND (Date:Day-of-Week BELONGS_TO Monday,Tuesday,Wednesday,Thursday,Friday,Saturday,Sunday)	Guest MAC Caching Session Timeout, Guest MAC Caching Bandwidth Limit, Guest MAC Caching Session Limit, Guest Guest MAC Caching, [Update Endpoint Known], Guest MAC Caching Do Expire, Guest MAC Cachinc Expire Post Login, Guest Guest Profile

A. The authentication source mapped in the service is incorrect, it should be mapped as (Guest Device Repository] [Local SQL DB].

B. The username and/or password used for authentication is incorrect Re-enter the correct password on the weblogin page.

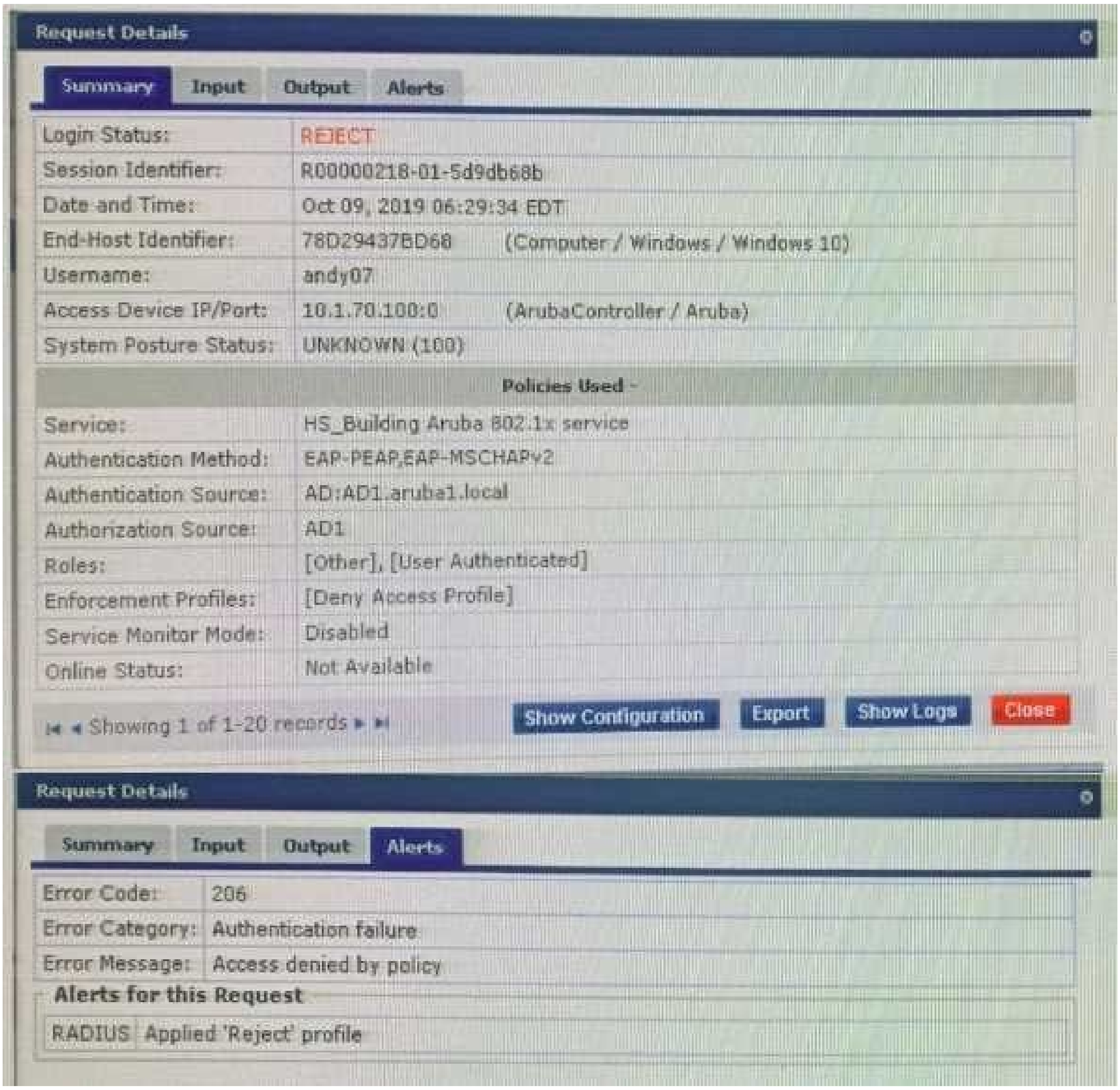
C. The username used for authentication does not exist in the Guest User Database Create a new user and authenticate again.

D. The Unique-Device-Count does not allow any Client devices. Update the Enforcement policy condition: Unique-Device-Count.

Correct Answer: A

QUESTION 3

Refer to the exhibit:

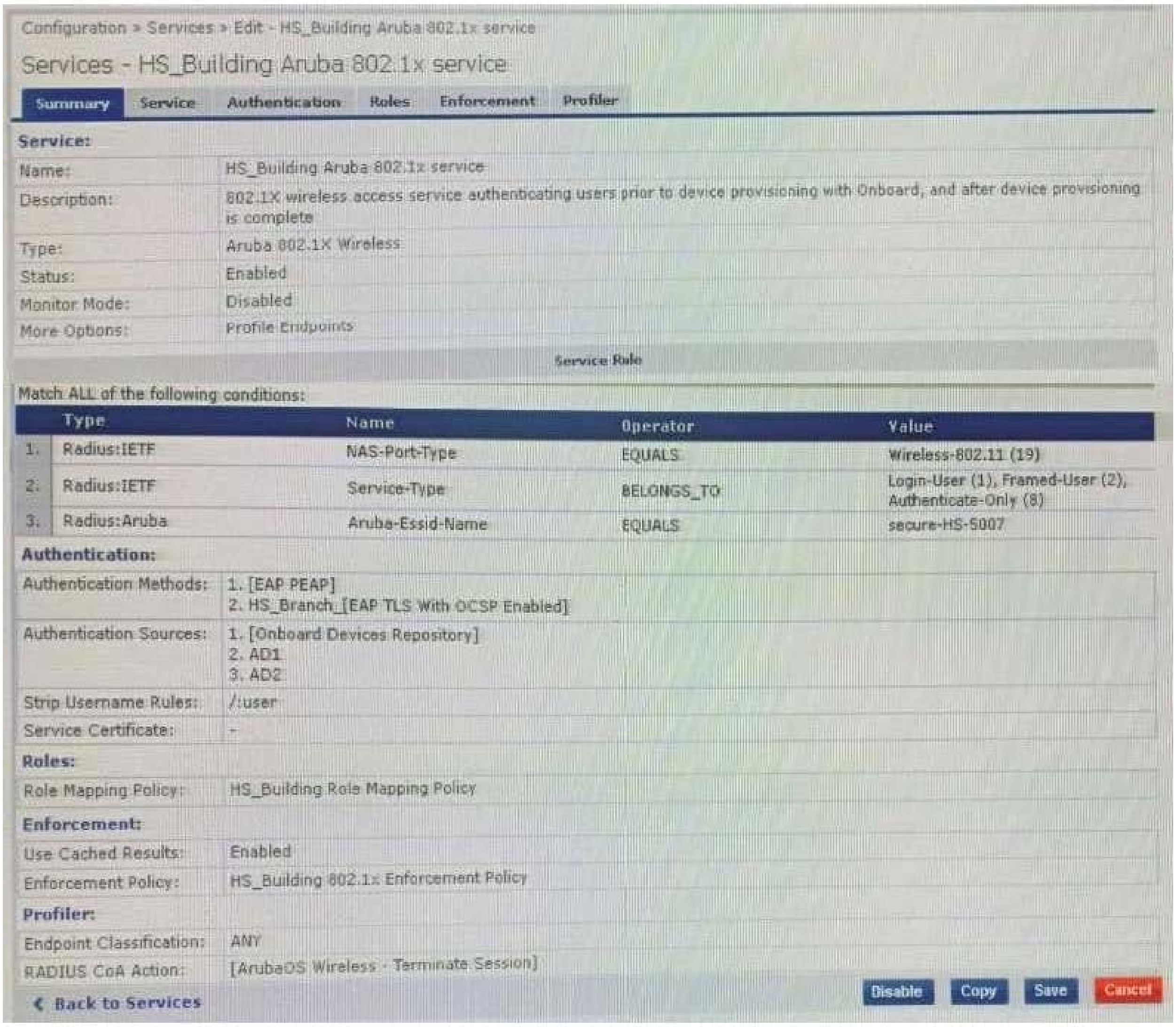


Login Status:	REJECT
Session Identifier:	R00000218-01-5d9db68b
Date and Time:	Oct 09, 2019 06:29:34 EDT
End-Host Identifier:	78D29437BD68 (Computer / Windows / Windows 10)
Username:	andy07
Access Device IP/Port:	10.1.70.100:0 (ArubaController / Aruba)
System Posture Status:	UNKNOWN (100)
Policies Used -	
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

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

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

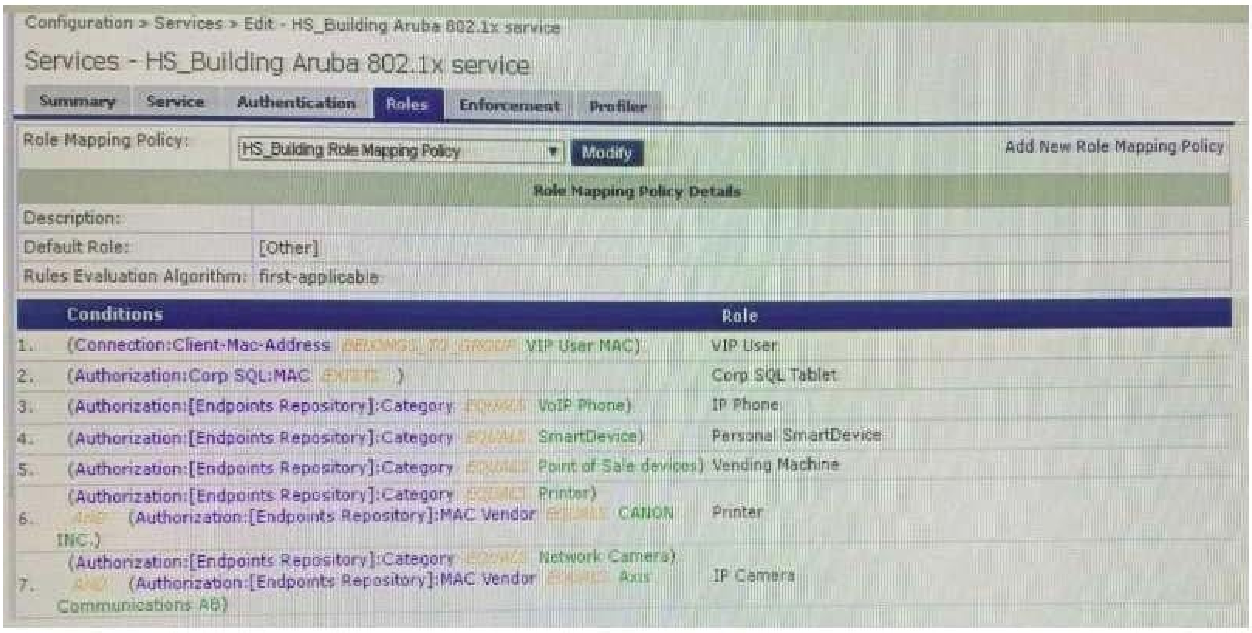
Enforcement:

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


Configuration » Services » Edit - HS_Building Aruba 802.1x service
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Add New Role Mapping Policy

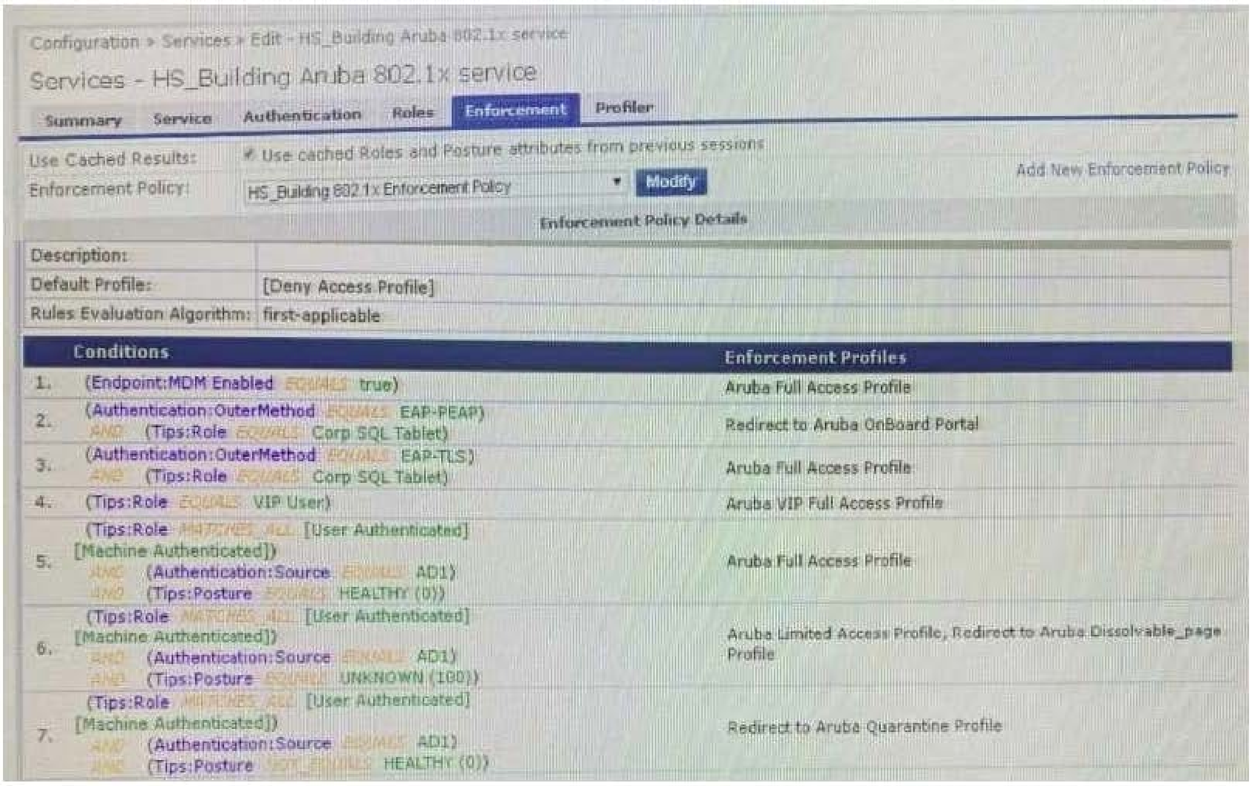
Services - HS_Building Aruba 802.1x service

Role Mapping Policy: HS_Building 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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Services - HS_Building Aruba 802.1x service

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

Enforcement Policy: HS_Building 802.1x 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

QUESTION 4

A customer has acquired another company that has its own Active Directory infrastructure The 802 1X authentication works with the customers original Active Directory servers but the customer would like to authenticate users from the acquired company as well. What steps are required, in regards to the Authentication Sources, in order to support this request? (Select two.)

A. Create a new Authentication Source, type Active Directory.

B. Join the ClearPass server(s) to the new AD domain.

C. Add the new AD server(s) as backup into the existing Authentication Source.

D. There is no need to Join ClearPass to the new AD domain.

E. Create a new Authentication Source, type Generic LDAP.

Correct Answer: BD

QUESTION 5

A customer would like to allow only the AD users with the "Manager" title from the "HQ" location to

Onboard their personal devices. Any other AD users should not be authorized to pass beyond the initial

device provisioning page.

Which Onboard service will you use to implement this requirement?

A. Onboard CP login service

B. Onboard Authorization service

C. Onboard Provisioning service

D. Onboard Pre-Auth service

Correct Answer: A