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## HPE6-A68 Exam

Aruba Certified ClearPass Professional

# Questions & Answers

(Demo Version - Limited Content)

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# Version: 8.0

## Question: 1

Refer to the exhibit.

Summary	Policy	Mapping Rules
<b>Policy:</b>		
Policy Name:	WLAN role mapping	
Description:		
Default Role:	[Guest]	
<b>Mapping Rules:</b>		
Rules Evaluation Algorithm:	First applicable	
Conditions	Role Name	
1. (Authorization:remotelab AD:Department EQUALS Product Management) OR (Authorization:remotelab AD:UserDN EQUALS Executive)	Executive	
2. (Authorization:[Endpoints Repository]:OS Family EQUALS_IGNORE_CASE Windows)	Vendor	
3. (Authorization:[Endpoints Repository]:Category CONTAINS SmartDevice) AND (Authorization:[Endpoints Repository]:OS Family EQUALS_IGNORE_CASE Apple)	iOS Device	
4. (Authorization:remotelab AD:Department EQUALS HR) OR (Connection:NAD-IP-Address BELONGS_TO_GROUP HQ) OR (Date:Day-of-week NOT_BELONGS_TO Saturday, Sunday)	HR Local	
5. (Host:OSType CONTAINS Fedora) OR (Host:OSType CONTAINS Redhat) OR (Host:OSType CONTAINS Ubuntu)	Linux User	
6. (Connection:NAD-IP-Address BELONGS_TO_GROUP Remote NAD)	Remote Employee	

An AD user’s department attribute value is configured as “QA”. The user authenticates from a laptop running MAC OS X.

Which role is assigned to the user in ClearPass?

- A. HR Local
- B. Remote Employee
- C. [Guest]
- D. Executive
- E. IOS Device

**Answer: C**

Explanation:

None of the Listed Role Name conditions are met.

**Question: 2**

Refer to the exhibit.

Configuration » Authentication » Sources » Add - remotelab AD

**Authentication Sources - remotelab AD**

Summary	General	Primary	Attributes
Specify filter queries used to fetch authentication and authorization attributes.			
Filter Name	Attribute Name	Alias Name	Enabled as
1. Authentication	dn	UserDN	-
	department	Department	Role, Attribute
	title	Title	Attribute
	company	company	-
	memberOf	memberOf	Role, Attribute
	telephoneNumber	Phone	Attribute
	mail	Email	Attribute

Based on the Attribute configuration shown, which statement accurately describes the status of attribute values?

- A. Only the attribute values of department and memberOf can be used in role mapping policies.
- B. The attribute values of department, title, memberOf, telephoneNumber, and mail are directly applied as ClearPass.
- C. Only the attribute value of company can be used in role mapping policies, not the other attributes.
- D. The attribute values of department and memberOf are directly applied as ClearPass roles.
- E. Only the attribute values of title, telephoneNumber, and mail can be used in role mapping policies.

**Answer: D**

**Question: 3**

Which components can use Active Directory authorization attributes for the decision-making process? (Select two.)

- A. Profiling policy
- B. Certificate validation policy
- C. Role Mapping policy
- D. Enforcement policy
- E. Posture policy

**Answer: C,D**

Explanation:

**C: Role Mappings Page - Rules Editor Page Parameters**

Parameter	Description
Type	<p>The rules editor appears throughout the Policy Manager interface. It exposes different namespace dictionaries depending on context. (Refer to <a href="#">Namespaces</a>.)</p> <p>In the role mapping context, Policy Manager allows attributes from following namespaces:</p> <ul style="list-style-type: none"> <li>• Application</li> <li>• Application:ClearPass</li> <li>• Authentication</li> <li>• Authorization</li> <li>• Authorization:&lt;authorization_source_instance&gt; - Policy Manager shows each instance of the authorization source for which attributes have been configured to be fetched. (See <a href="#">Adding and Modifying Authentication Sources</a>). Only those attributes that have been configured to be fetched are shown in the attributes drop-down list.</li> <li>• Certificate</li> <li>• Connection</li> <li>• Date</li> <li>• Device</li> <li>• Endpoint</li> <li>• GuestUser</li> <li>• Host</li> <li>• LocalUser</li> <li>• Onboard</li> <li>• TACACS</li> <li>• RADIUS - All enabled RADIUS vendor dictionaries.</li> </ul>
Name	Displays the drop-down list of attributes present in the selected namespace.
Operator	Displays the drop-down list of context-appropriate (with respect to the attribute data type) operators. Operators have the obvious meaning; for stated definitions of operator meaning, refer to <a href="#">Operators</a> .
Value	Depending on attribute data type, this may be a free-form (one or many line) edit box, a drop-down list, or a time/date widget.

**D: Enforcement Policy Attributes tab Parameters**

Attribute	Description
Type:	Select the type of attributes from the drop-down list.
Host	See <a href="#">Host Namespaces</a>
Authentication	See <a href="#">Authentication Namespaces</a>
Connection	See <a href="#">Connection Namespaces</a>
Application	See <a href="#">Application Namespace</a>
<ul style="list-style-type: none"> <li>• Radius:IETF</li> <li>• Radius:Cisco</li> <li>• Radius:Microsoft</li> <li>• Radius:Avenda</li> <li>• Radius:Aruba</li> </ul>	See <a href="#">RADIUS Namespaces</a>
Name	The options displayed for the <b>Name</b> attribute depend on the <b>Type</b> attribute that was selected.
Value	The options displayed for the <b>Value</b> attribute depend on the <b>Type</b> and <b>Name</b> attributes that were selected.

References:

- [http://www.arubanetworks.com/techdocs/ClearPass/Aruba\\_CPPMOnlineHelp/Content/CPM\\_User\\_Guide/identity/RoleMappingPolicies.html](http://www.arubanetworks.com/techdocs/ClearPass/Aruba_CPPMOnlineHelp/Content/CPM_User_Guide/identity/RoleMappingPolicies.html)
- [http://www.arubanetworks.com/techdocs/ClearPass/Aruba\\_CPPMOnlineHelp/Content/CPM\\_User\\_Guide/PolicySim/PS\\_Enforcement\\_Policy.htm](http://www.arubanetworks.com/techdocs/ClearPass/Aruba_CPPMOnlineHelp/Content/CPM_User_Guide/PolicySim/PS_Enforcement_Policy.htm)

**Question: 4**

Refer to the exhibit.

Summary	Service	Authentication	Roles	Enforcement
Authentication Methods:		[EAP PEAP] [EAP TLS] [EAP MSCHAPv2]		Move Up Move Down Remove View Details Modify
Authentication Sources:		[Local User Repository] [Local SQL DB] remotelab AD (Active Directory)		Move Up Move Down Remove

Based on the Authentication sources configuration shown, which statement accurately describes the outcome if the user is not found?

- A. If the user is not found in the remotelab AD but is present in the local user repository, a reject message is sent back to the NAD.
- B. If the user is not found in the local user repository but is present in the remotelab AD, a reject message is sent back to the NAD.
- C. If the user is not found in the local user repository a reject message is sent back to the NAD.
- D. If the user is not found in the local user repository and remotelab AD, a reject message is sent back to the NAD.
- E. If the user is not found in the local user repository a timeout message is sent back to the NAD.

**Answer: D**

Explanation:

Policy Manager looks for the device or user by executing the first filter associated with the authentication source.

After the device or user is found, Policy Manager then authenticates this entity against this authentication

source. The flow is outlined below:

- \* On successful authentication, Policy Manager moves on to the next stage of policy evaluation, which

collects role mapping attributes from the authorization sources.

- \* Where no authentication source is specified (for example, for unmanageable devices), Policy Manager

passes the request to the next configured policy component for this service.

- \* If Policy Manager does not find the connecting entity in any of the configured authentication sources, it

rejects the request.

References: ClearPass Policy Manager 6.5 User Guide (October 2015), page 134

<https://community.arubanetworks.com/aruba/attachments/aruba/SoftwareUserReferenceGuides/52/1/ClearPass%20Policy%20Manager%206.5%20User%20Guide.pdf>

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**Question: 5**

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Which authorization servers are supported by ClearPass? (Select two.)

- A. Aruba Controller
- B. LDAP server
- C. Cisco Controller
- D. Active Directory
- E. Aruba Mobility Access Switch

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**Answer: B,D**

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Explanation:

Authentication Sources can be one or more instances of the following examples:

- \* Active Directory
- \* LDAP Directory
- \* SQL DB
- \* Token Server
- \* Policy Manager local DB

References: ClearPass Policy Manager 6.5 User Guide (October 2015), page 114

<https://community.arubanetworks.com/aruba/attachments/aruba/SoftwareUserReferenceGuides/52/1/ClearPass%20Policy%20Manager%206.5%20User%20Guide.pdf>

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**Question: 6**

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Which CLI command is used to upgrade the image of a ClearPass server?

- A. Image update
- B. System upgrade
- C. Upgrade image
- D. Reboot
- E. Upgrade software

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**Answer: B**

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Explanation:

When logged in as appadmin, you can manually install the Upgrade and Patch binaries imported via the CLI using the following commands:

- \* system update (for patches)
- \* system upgrade (for upgrades)

References: ClearPass Policy Manager 6.5 User Guide (October 2015), page 564

<https://community.arubanetworks.com/aruba/attachments/aruba/SoftwareUserReferenceGuides/52/1/ClearPass%20Policy%20Manager%206.5%20User%20Guide.pdf>

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**Question: 7**

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Which steps are required to use ClearPass as a TACACS+ Authentication server for a network device? (Select two.)

- A. Configure a TACACS Enforcement Profile on ClearPass for the desired privilege level.
- B. Configure a RADIUS Enforcement Profile on ClearPass for the desired privilege level.
- C. Configure ClearPass as an Authentication server on the network device.
- D. Configure ClearPass roles on the network device.
- E. Enable RADIUS accounting on the NAD.

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**Answer: A,C**

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Explanation:

You need to make sure you modify your policy (Configuration » Enforcement » Policies » Edit - [Admin Network Login Policy]) and add your AD group settings in to the corresponding privilege level.

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### **Question: 8**

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What are Operator Profiles used for?

- A. to enforce role based access control for Aruba Controllers
- B. to enforce role based access control for ClearPass Policy Manager admin users
- C. to enforce role based access control for ClearPass Guest Admin users
- D. to assign ClearPass roles to guest users
- E. to map AD attributes to admin privilege levels in ClearPass Guest

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**Answer: C**

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Explanation:

An operator profile determines what actions an operator is permitted to take when using ClearPass Guest.

References:

[http://www.arubanetworks.com/techdocs/ClearPass/CPGuest\\_UG\\_HTML\\_6.5/Content/OperatorLogins/OperatorProfiles.htm](http://www.arubanetworks.com/techdocs/ClearPass/CPGuest_UG_HTML_6.5/Content/OperatorLogins/OperatorProfiles.htm)

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### **Question: 9**

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Refer to the exhibit.

RADIUS Attributes				
Vendor Name:		Aruba (14823)		
#	Attribute Name	ID	Type	In/Out
1.	Aruba-User-Role	1.	Unsigned32	in out
2.	Aruba-User-Vlan	2.	Unsigned32	in out
3.	Aruba-Priv-Admin-User	3.	String	in out
4.	Aruba--Admin-Role	4.	String	in out
5.	Aruba-Essid-Name	5.	String	in out
6.	Aruba-Location-Id	6.	String	in out
7.	Aruba-Port-Id	7.	String	in out
8.	Aruba-Template-User	8.	String	in out
9.	Aruba-Named-Vlan	9.	String	in out
10.	Aruba-AP-Group	10.	String	in out

Disable Export Close

In the Aruba RADIUS dictionary shown, what is the purpose of the RADIUS attributes?  
 In the Aruba RADIUS dictionary shown, what is the purpose of the RADIUS attributes?

- A. to send information via RADIUS packets to Aruba NADs
- B. to gather and send Aruba NAD information to ClearPass
- C. to send information via RADIUS packets to clients
- D. to gather information about Aruba NADs for ClearPass
- E. to send CoA packets from ClearPass to the Aruba NAD

**Answer: C**

**Question: 10**

Refer to the exhibit.

Configuration » Identity » Role Mappings » Edit - [Guest Roles]

### Role Mappings - [Guest Roles]

Summary Policy **Mapping Rules**

Rules Evaluation Algorithm:  Select first match  Select all matches

Role Mapping Rules:

	Conditions	Role Name
1.	(GuestUser:Role ID EQUALS 1)	[Contractor]
2.	(GuestUser:Role ID EQUALS 2)	[Guest]
3.	(GuestUser:Role ID EQUALS 3)	[Employee]
4.	(GuestUser:Role ID EQUALS 4)	Test quest role creation

Add Rule Move Up Move Down

Based on the Guest Role Mapping Policy shown, what is the purpose of the Role Mapping Policy?

- A. to display a role name on the Self-registration receipt page
- B. to send a firewall role back to the controller based on the Guest User's Role ID
- C. to assign Controller roles to guests
- D. to assign three roles of [Contractor], [Guest] and [Employee] to every guest user
- E. to create additional account roles for guest administrators to assign to guest accounts

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**Answer: C**

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