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QUESTION 1
Which licenses are included in the built-in starter kit for ClearPass?

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

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
What happens when a client successfully authenticates but does not match any Enforcement Policy rules?

A. no role is applied to the device
B. logon profile is applied to the device
C. default Enforcement profile is applied
D. guest rule is applied to the device
E. default rule is applied to the device

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
The first time a device connects, it's allowed on in a limited state (session timeout is a low value and DHCP is allowed) because it doesn't match any Enforcement policy rules based on Endpoint Category. The default enforcement profile is used.
Reference: http://community.arubanetworks.com/t5/Security/MAC-Auth-Service-for-AP-s-Printers-Etc/td-p/243252

QUESTION 3
When Active Directory is added as an authentication source, what should the format be for the Active Directory bin DN?

A. admin.domain.com

B. domain.com\admin

C. domain.com

D. admin@domain.com

E. admin\domain.com

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
For Active Directory, the bind DN can also be in the administrator@domain format (for example, administrator@acme.com).
Reference http://www.arubanetworks.com/techdocs/ClearPass/Aruba_CPPMOnlineHelp/Content/CPPM_UserGuide/Auth/AuthSource_GenericLDAP.htm

QUESTION 4
Refer to the exhibit. A user has enabled 'department' and 'memberOf' as roles.
What is the direct effect of the user's action?

Configuration » Authentication » Sources » Add - remotelab AD

Authentication Sources - remotelab AD

| Summary | General | Primary | **Attributes** |

Specify

Configure Filter

| **Configuration** | Attributes | Browse | Filter |

Filter Name: Authentication

Filter Query: (&(sAMAccountName=%{Authentication:Username})(objectClass=user))

Name	Alias Name	Data type	Enabled A
1. dn	UserDN	String	-
2. department	Department	String	Role
3. title	Title	String	Attribute
4. company	company	String	-
5. memberOf	memberOf	String	✓ Role

A. The user's authentication will be rejected if the user does not have an admin user group membership in AD.

B. The user's memberOf attribute is sent back to the controller as a firewall role.

C. The user's department and group membership will be seen in the Access tracker roles section.

D. The user's authentication will be rejected if the user does not have a department attribute in AD.

E. The user's department is sent back to the controller as a firewall role.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
When enforcement action is used in ClearPass to bounce a client?

A. Webpage redirect
B. ACL
C. VLAN attribute
D. RADIUS VSA
E. RADIUS CoA

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:
In the Profiler tab, change the RADIUS CoA Action to "[Cisco - Bounce-Host-Port]". Make sure your switch is configured for this.
Reference http://community.arubanetworks.com/t5/Security/MAC-Auth-Service-for-AP-s-Printers-Etc/td-p/243252

QUESTION 6
Refer to the exhibit. A user connects to an Aruba Access Point wireless SSID named "secure-corporate" and performs an 802.1X authentication with ClearPass as the authentication server.
Based on this service configuration, which service will be triggered?

Configuration>>Services>>Reorder

Reorder Services

Order	Name
1	[Policy Manager Admin Network Service]
2	pod8wired
3	pod8-mac auth
4	pod8wireless

Service Rule

((Radius:IETF:NAS-Port-Type EQUALS Ethernet (15))
AND (Radius:IETF:Service-Type BELONGS_TO Login-User (1), Framed-User (2), Authenticate-Only (8)))
AND (Connection:Protocol EQUALS RADIUS)

Service Rule

((Radius:IETF:NAS-Port-Type BELONGS_TO Ethernet (15), Wireless-802.11 (19))
AND (Radius:IETF:Service-Type BELONGS_TO Login-User (1), Call-Check (10))
AND (Connection:Client-Mac-Address EQUALS %{Radius:IETF:User-Name}))
AND (Connection:Protocol EQUALS RADIUS)

Service Rule

((Radius:IETF:NAS-Port-Type EQUALS Wireless-802.11 (19))
AND (Radius:IETF:Service-Type BELONGS_TO Login-User (1), Framed-User (2), Authenticate-Only (8))
AND (Radius:Aruba:Aruba-Location-Id EXISTS)
AND (Radius:Aruba:Aruba-Essid-Name EXISTS))
AND (Connection:Protocol EQUALS RADIUS)

A. pod8-mac auth
B. No service will be triggered
C. pod8wireless
D. [Policy Manager Admin Network Service]
E. pod8wired

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7

A ClearPass deployment needs to be designed to determine whether a user authenticating is an HR department employee in the Active Directory Server and whether the user's device is healthy.
Which policy service components will the network administrator need to use?

A. Posture, Authentication and Authorization

B. Posture and Firewall Roles

C. Posture and Onboard

D. Authentication and Authorization

E. Posture, Authentication and Onboarding

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference http://www.arubanetworks.com/techdocs/ClearPass/Aruba_CPPMOnlineHelp/Content/CPPM_UserGuide/About%20ClearPass/About_ClearPass.htm

QUESTION 8

What is Radius CoA used for?

A. to validate a host MAC against a white and a black list

B. to force the client to re-authenticate upon roaming to a new controller

C. to authenticate users or devices before granting them access to a network

D. to transmit messages to the NAD/NAS to modify a user's session status

E. to apply firewall policies based on authentication credentials

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
Which statement most accurately describes how users with Active Directory credentials authenticate with ClearPass when Active Directory is used as an authentication source for an 802.1x service in ClearPass?

A. A Kerberos request is sent from the Network Access Device to ClearPass which initiates a RADUIS request to the AD server.
B. A RADIUS request is sent from the Network Access Device to the AD server which communicates with ClearPass.
C. An LDAP request is sent from the Network Access Device to the AD server which communicates with ClearPass.
D. An LDAP request is sent from the Network Access Device to ClearPass which initiates a RADIUS request to the AD server.
E. A RADIUS request is sent from the Network Access Device to the ClearPass which communicates with the AD server.
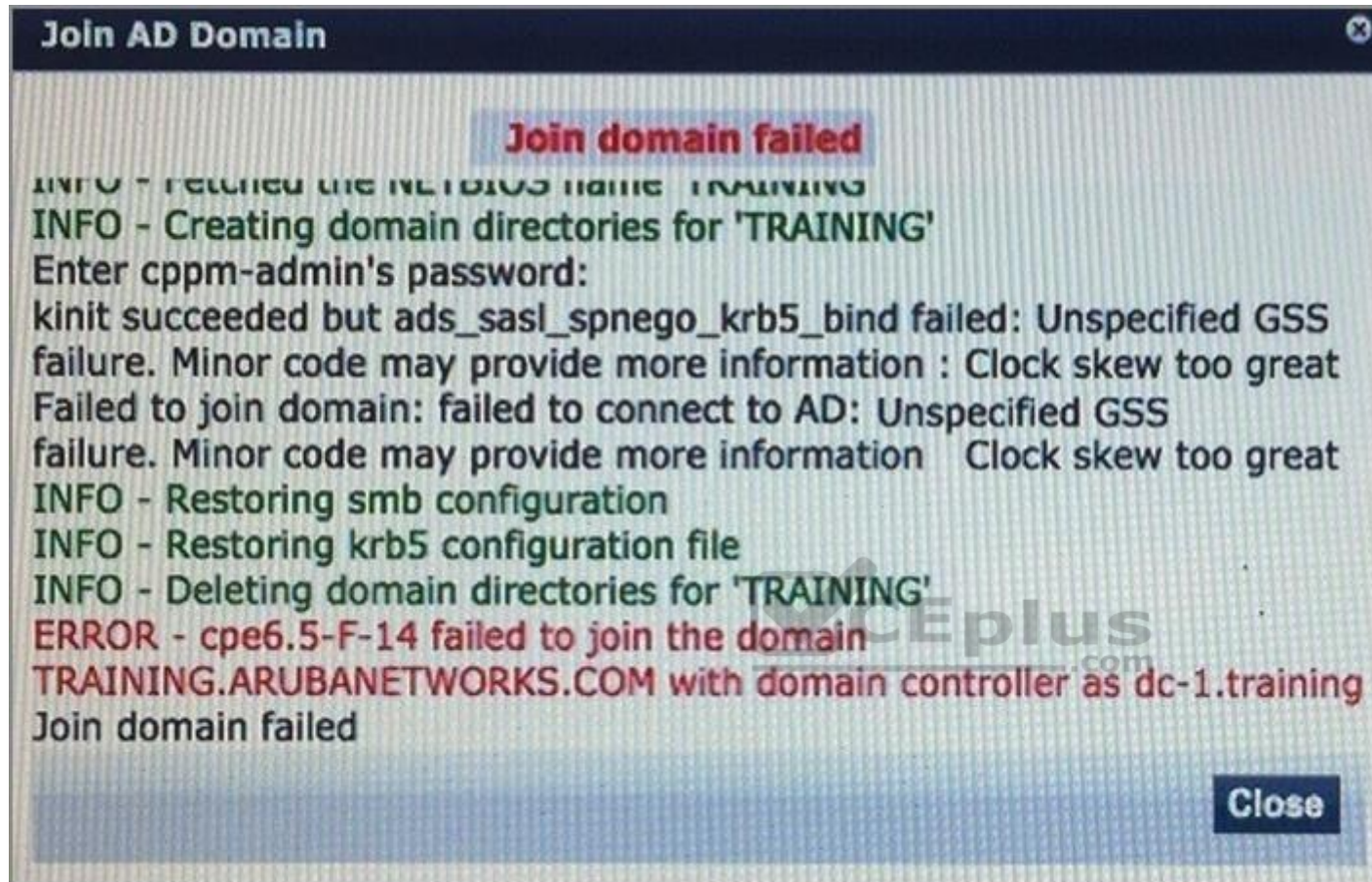
Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Reference http://www.arubanetworks.com/techdocs/ClearPass/Aruba_DeployGd_HTML/Content/3%20Active%20Directory/AD_auth_source_adding.htm

QUESTION 10
Refer to the exhibit. Based on the information shown, why did the Joining AD fail?

Join AD Domain ⊗

Join domain failed

INFO - retched the NETBIOS name 'TRAINING'
INFO - Creating domain directories for 'TRAINING'
Enter cppm-admin's password:
kinit succeeded but ads_sasl_spnego_krb5_bind failed: Unspecified GSS
failure. Minor code may provide more information : Clock skew too great
Failed to join domain: failed to connect to AD: Unspecified GSS
failure. Minor code may provide more information   Clock skew too great
INFO - Restoring smb configuration
INFO - Restoring krb5 configuration file
INFO - Deleting domain directories for 'TRAINING'
ERROR - cpe6.5-F-14 failed to join the domain
TRAINING.ARUBANETWORKS.COM with domain controller as dc-1.training
Join domain failed

Close

A. the GSS is wrong
B. the wrong FQDN of the AD was entered while joining
C. the wrong domain name was selected while joining the AD
D. there is a clock difference between ClearPass and AD servers
E. there is an IP communication issue

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
Which most accurately describes the First Applicable rule evaluation algorithm in Enforcement Policies?

A. Each rule is checked and once a match is found, the Enforcement profile assigned to that rule is applied and the rule matching stops.
B. All rules are checked and if there is no match, no Enforcement profile is applied.
C. Each rule is checked and once a match is found, the Enforcement profile assigned to that rule is applied. along with the default Enforcement profile.
D. All rules are checked for any matching rules and their respective Enforcement profiles are applied.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
What is the purpose of using a role mapping policy in an 802.1x service with Active Directory as the authentication source?

A. to translate and combine AD attributes into ClearPass roles
B. to send roles from ClearPass to the AD user to update a user's group membership
C. to enable attributes as roles directly without needing role mapping rules
D. to send Aruba firewall roles back to the Aruba Network Access Device
E. to send details of a user's connection to the AD user to store in its database

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 13
What is the purpose of a guest self-registration page in ClearPass?

A. to allow employees to get their own devices securely connected to the network

B. to allow contractors to create their own accounts in Active Directory

C. to allow employees' sponsors to create accounts for their guests

D. to allow employees to easily get their corporate devices on the network

E. to allow guest users to create a login account for the web login page

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Guest self-registration allows an administrator to customize the process for guests to create their own visitor accounts. Self-registration is also referred to as self-provisioned access
Reference http://www.arubanetworks.com/techdocs/ClearPass/6.6/Guest/Content/Configuration/CustomizingSelfProvisionedAccess.htm

QUESTION 14
What is the purpose of the pre-auth check during guest authentication?

A. for the NAD device to do an internal authentication check before sending the credentials to ClearPass

B. for the NAD device to check that ClearPass is active before sending it the RADIUS request

C. for ClearPass to do an internal authentication check before the NAS login happens

D. for the client device to do an internal sanity check before the NAS login occurs

E. for the client device to check that ClearPass is active before sending it the credentials

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
The way NAS devices like wireless controllers do authentication on external captive portals only allows standard reject message handling like "authentication failed". The pre auth check allows CPPM to provide advanced error handling of a reject like "your time limit has been reached" before a user logs in. It is to do an end run around limited error handing of NAS devices on external captive portals.
Reference https://community.arubanetworks.com/t5/Security/why-use-pre-auth-check/m-p/93254

QUESTION 15
Where is the web login page created in the ClearPass UI?

A. WebAuth Service

B. Captive Portal Profile
C. ClearPass Policy Manager
D. Guest Login Service
E. ClearPass Guest

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
Which actions are necessary to set up a ClearPass guest captive portal web login page to authenticate guest users? (Select three.)

A. Configure the guest pre-authentication role on ClearPass.
B. Select the user login checkbox in ClearPass Guest.
C. Create a web login page in ClearPass Guest.
D. Create Guest Service in ClearPass policy Manager.
E. Redirect Aruba Controller URL to ClearPass server web login page.

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:
Reference https://community.arubanetworks.com/t5/Aruba-Solution-Exchange/IAP-ClearPass-Guest-Captive-Portal/ta-p/202675

QUESTION 17
Which device uses the Quick Connect method of Onboarding? (Select two.)

A. iPad
B. iPhone
C. Windows
D. blackberry
E. Android

Correct Answer: CE
Section: (none)
Explanation

Explanation/Reference:
Reference http://www.primecominc.com/wp-content/uploads/2015/11/Conquering-todays-BYOD-challanges-whitepaper.pdf (page 7)

QUESTION 18
How do apple iOS 4 and iOS 5 devices download the Onboard provisioning profile and credentials from ClearPass?

A. Bonjour
B. Quick Connect
C. SNMP
D. FTP
E. Over the air API

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
What is the purpose of a RADIUS IETP Session Timeout attribute being sent to an Aruba Controller when a guest authenticates successfully?

A. For the controller to initiate a RADIUS re-authentication automatically when the time limit is reached.
B. For ClearPass to send a RADIUS CoA message to the client when the time limit is reached.
C. For the user to initiate a RADIUS re-authentication when the time limit is reached.
D. For ClearPass to send a RADIUS CoA message when the time limit is reached.
E. For the Controller to end the user's authenticated session when the time limit is reached.

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
What does a client need for it to perform EAP-TLS successfully? (Select two.)

A. Username and Password
B. Server Certificate
C. Pre-shared key
D. Certificate Authority
E. Client Certificate

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Reference https://community.arubanetworks.com/t5/AAA-NAC-Guest-Access-BYOD/Binary-comparison-in-EAP-TLS-Authentication/ta-p/257857

QUESTION 21
Which authentication type allows a device to authenticate with a client certificate?

A. 802.1X/EAP
B. WEP Authentication
C. MAC Authentication
D. Captive Portal Authentication
E. Open System Authentication

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference https://community.arubanetworks.com/t5/AAA-NAC-Guest-Access-BYOD/Binary-comparison-in-EAP-TLS-Authentication/ta-p/257857

QUESTION 22
Where is the ClearPass Guest Login page URL referenced in the Aruba Controller?

A. Guest Access Policy
B. WebAuth Profile

C. Captive Portal Policy

D. Captive Portal Authentication Profile

E. Guest Enforcement Profile

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
ClearPass Onboard uses which type of WLAN security once the user has authenticated and onboarded the client?

A. EAP-PEAP

B. EAP-RADIUS

C. SSL

D. EAP-LEAP

E. EAP-TLS

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
A guest user connects to an Aruba Controller wireless network and is redirected to a web login page on ClearPass.
How is the redirection performed?

A. The user inputs the URL of the web login page in their browser

B. The user is redirected to the securelogin.arubanetworks.com web login page.

C. ClearPass will capture web traffic and redirect the client to the Web Login page.

D. The controller will capture web traffic and redirect the traffic to the ClearPass Web Login page.

E. The user inputs the URL of the controller's securelogin.arubanetworks.com page in their browser.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
Which device verifies the Server certificate during the Over the air provisioning process?

A. Aruba Controller
B. Active Directory
C. ClearPass Onboard
D. Client
E. ClearPass Policy Manager

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
Based on the self-registration customization, what is the expected outcome?

Customize Guest Registration

NAS Login
Options controlling logging into a NAS for self-registered guests.

Enabled:	☑ Enable guest login to a Network Access Server
* Vendor Settings:	Aruba Networks ▼ Select a predefined group of settings suitable for standard network configurations.
Login Method:	Controller-initiated — Guest browser performs HTTP form submit ▼ Select how the user's network login will be handled. Server-initiated logins require the user's MAC address to be available, usually from the captive p
IP Address:	securelogin.arubanetworks.com Enter the IP address or hostname of the vendor's product here.
Secure Login:	Use vendor default ▼ Select a security option to apply to the web login process.
Dynamic Address:	☐ The controller will send the IP to submit credentials In multi-controller deployments, it is often required to post credentials to different addresses mac The address above will be used whenever the parameter is not available or fails the requirement

Default Destination
Options for controlling the destination clients will redirect to after login.

Default URL:	Enter the default URL to redirect clients. Please ensure you prepend "http://" for any external domain.
Override Destination:	☐ Force default destination for all clients If selected, the client's default destination will be overridden regardless of its value.

💾 Save Changes   🔄 Save and Continue

A. When the user connects to an Aruba NAD device, the user will be redirected to this self-registration page.

B. When the user completes the self-registration form, a NAS login request will be sent from the client to ClearPass alternate domain at securelogin.arubanetworks.com.

C. When the user browses to securelogin.arubanetworks.com, the user will be redirected to the self-registration page.

D. User credentials will be sent to the NAD device when the user clicks the login button on the self-registration receipt page.

E. When the user clicks the register button on the self-registration page, user credentials will be sent to the NAD.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
In which stage of the Onboard process is the enterprise's root certificate installed on the iOS device?

A. During EAP authentication

B. Provisioning

C. Authentication

D. Pre-provisioning

E. Authorization

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Reference https://www.slideshare.net/ArubaNetworks/onboard-deployment-guide-396 (slide 15)

QUESTION 28
An organization wants to have employees connect their own personal devices securely to the WLAN.
Which ClearPass feature can be used to accomplish this?

A. Enforcement

B. Guest

C. Profiling
D. Onboarding
E. Guest with self-registration

Correct Answer: D
Section: (none)
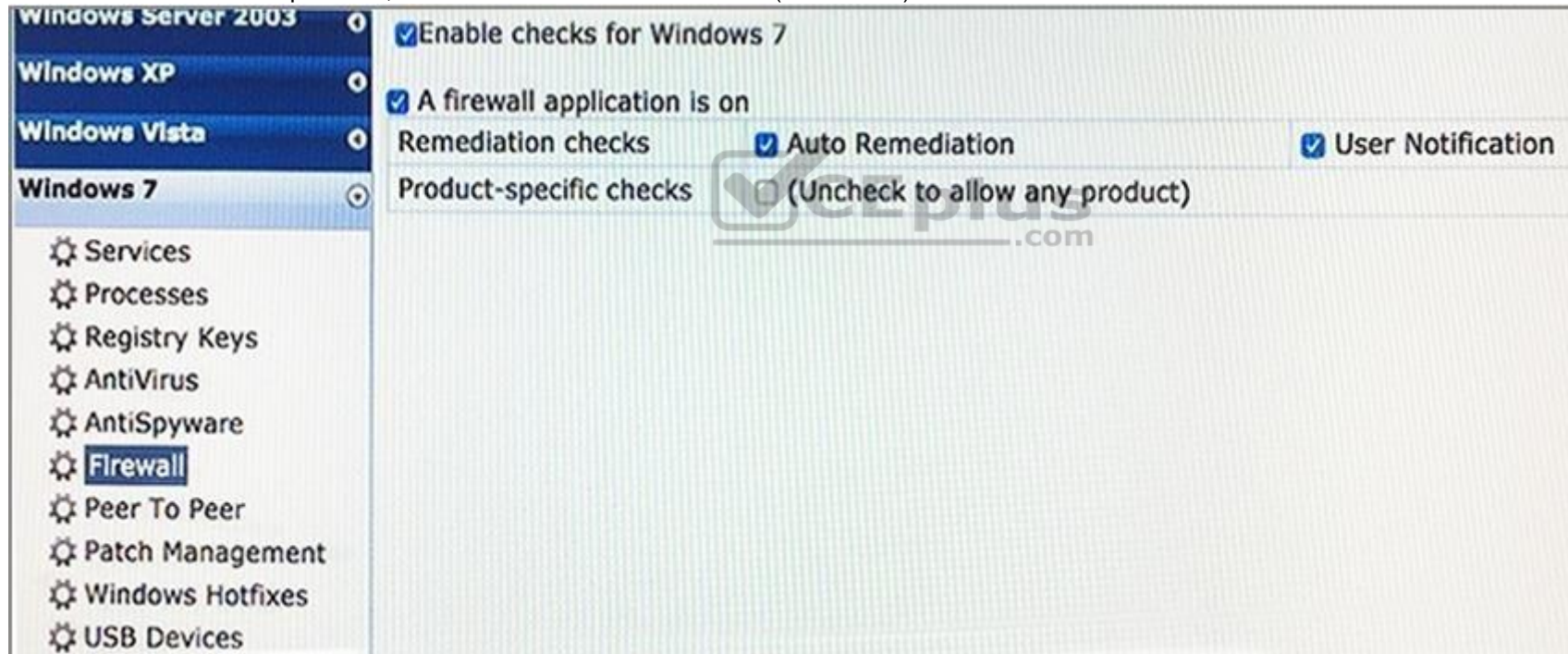**Explanation**

Explanation/Reference:
Reference http://www.arubanetworks.com/pdf/solutions/CS_ConsulateHealthCare.pdf

QUESTION 29
Based on the information provided, what is the status of the network? (Select two.)

A. Posture check is enabled for Windows 7 OS.
B. Posture check is enabled for firewall client application in Windows 7 OS.

C. Auto remediation is enabled, hence the client will be forced to enable the firewall if it is found disabled.

D. Auto remediation can force the client to enable the firewall and also sends a notification to user.

E. Auto remediation cannot force the client to enable the firewall, it can only send notification to the user.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
Which checks are made with OnGuard posture evaluation in ClearPass? (Select three.)

A. Client role check
B. Registry keys
C. Peer-to-peer application checks
D. EAP TLS certificate validity
E. Operating System version

Correct Answer: BCE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
Which Operating Systems can use Network Access Protection (NAP) policy agents? (Select two.)

A. Windows XP
B. Android
C. Windows 7
D. Mac OS X
E. iOS 6 and higher

Correct Answer: AC