



300-208^{Q&As}

Implementing Cisco Secure Access Solutions

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QUESTION 1

CORRECT TEXT

The Secure-X company has started to test the 802.1X authentication deployment using the Cisco Catalyst 3560-X layer 3 switch and the Cisco ISEv2 appliance. Each employee desktop will be connected to the 802.1X enabled switch port and will use the Cisco AnyConnect NAM 802.1X supplicant to log in and connect to the network. Your particular tasks in this simulation are to create a new identity source sequence named AD_internal which will first use the Microsoft Active Directory (AD1) then use the ISE Internal User database. Once the new identity source sequence

has been configured, edit the existing Dot1X authentication policy to use the new AD_internal identity source sequence.

The Microsoft Active Directory (AD1) identity store has already been successfully configured, you just need to reference it in your configuration.

* Domain Name: secure-x.local

* Identity Store Name: AD1

One or more nodes may be selected for Join or Leave operations. If a node is joined then a leave operation is required before a rejoin. Select one node for Test Connection.

Join Leave Test Connection Refresh

ISE Node	ISE Node Role	Status
<input type="checkbox"/> ise.secure-x.local	STANDALONE	<input checked="" type="checkbox"/> Connected to: hq-srv.secure-x.local

In addition to the above, you are also tasked to edit the IT users authorization policy so IT users who successfully authenticated will get the permission of the existing IT_Corp authorization profile.

Perform this simulation by accessing the ISE GUI to perform the following tasks:

Create a new identity source sequence named AD_internal to first use the Microsoft Active Directory (AD1) then use the ISE Internal User database

Edit the existing Dot1X authentication policy to use the new AD_internal identity source sequence:

If authentication failed-reject the access request

If user is not found in AD-Drop the request without sending a response

If process failed-Drop the request without sending a response

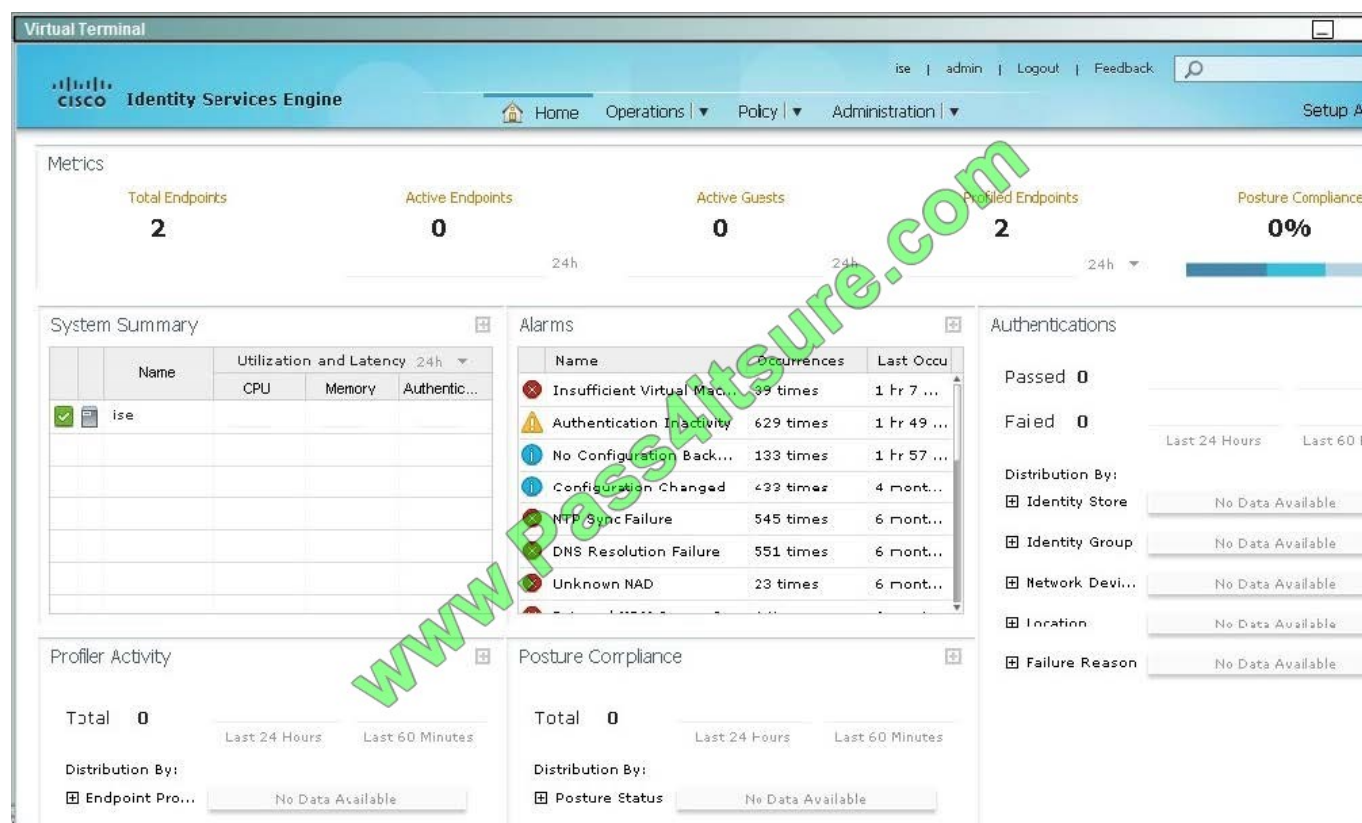
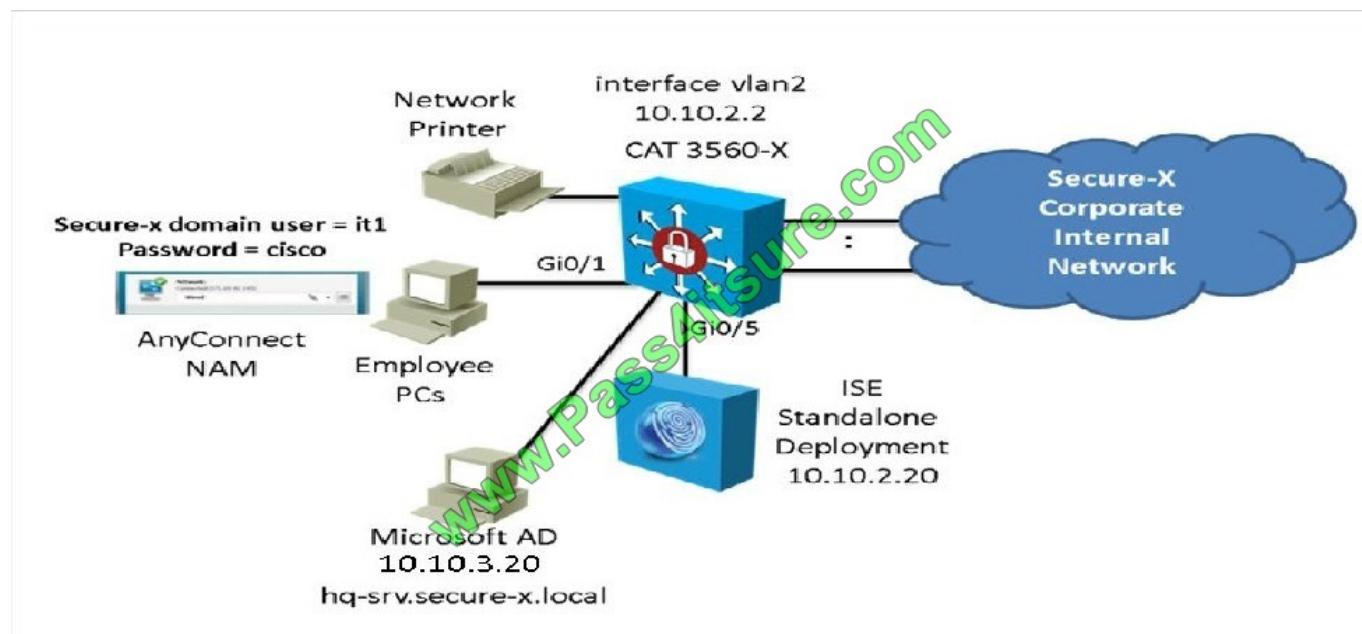
Edit the IT users authorization policy so IT users who successfully authenticated will get the permission of the existing IT_Corp authorization profile.

To access the ISE GUI, click the ISE icon in the topology diagram. To verify your configurations, from the ISE GUI, you should also see the Authentication Succeeded event for the it1 user after you have successfully defined the Dot1X authentication policy to use the Microsoft Active Directory first then use the ISE Internal User Database to authenticate the user. And in the Authentication Succeeded event, you should see the IT_Corp authorization profile being applied to the it1 user. If your configuration is not correct and ISE can't authenticate the user against the Microsoft Active Directory, you should see the Authentication Failed event instead for the it1 user.

Note: If you make a mistake in the Identity Source Sequence configuration, please delete the Identity Source Sequence



then re-add a new one. The edit Identity Source Sequence function is not implemented in this simulation.



Correct Answer: Review the for full configuration and solution.

Step 1: create a new identity source sequence named AD_internal which will first use the Microsoft Active Directory (AD1) then use the ISE Internal User database as shown below:



Terminal

ise | admin | Logout

Identity Services Engine

Home Operations Policy Administration

System Identity Management Network Resources Web Portal Management Feed Service

Identities Groups External Identity Sources Identity Source Sequences Settings

Identity Source Sequences List > **New Identity Source Sequence**

Identity Source Sequence

Identity Source Sequence

* Name

Description

▼ Certificate Based Authentication

☒ Select Certificate Authentication Profile

▼ Authentication Search List

☒ A set of identity sources that will be accessed in sequence until first authentication succeeds

Internal Endpoints Guest Users	>	AD1 Internal Users	⌵
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Scenario **TOPOLOGY**

Step 2: Edit the existing Dot1x policy to use the newly created Identity Source:



Terminal

ise | admin | Logout

Identity Services Engine

Home Operations Policy Administration

Authentication Authorization Profiling Posture Client Provisioning Security Group Access

Authentication Policy

Define the Authentication Policy by selecting the protocols that ISE should use to communicate with the network devices, and the identity policy Type

☐ Simple ☒ Rule-Based

☒ MAB : If Wired_802.1X OR Wireless_802.1X Allow Protocols : Default Network

and ☒ Default : use Default

☒ Dot1X : If Wired_802.1X OR Wireless_802.1X Allow Protocols : Default Network

☒ Default Use Internal Endpoints

Identity Source AD_Internal

Options

If authentication failed Reject

If user not found Reject

Help Scenario TOPOLOGY

Then hit Done and save.

QUESTION 2

Which three statement about Windows Server Update Services remediation are true?

- A. WSUS can install the latest service pack available
- B. WSUS checks for automatic update configuration on Windows
- C. WSUS checks for client behavior anomalies
- D. WSUS remediates Windows client from a locally manage WSUS server
- E. WSUS remediates Windows client from a Microsoft manage WSUS server
- F. WSUS provides links to update AV/AS

Correct Answer: ADE



QUESTION 3

Which command in the My Devices Portal can restore a previously lost device to the network?

- A. Reset
- B. Found
- C. Reinstate
- D. Request

Correct Answer: C

QUESTION 4

What was an early precursor to MAC Authentication Bypass?

- A. port security
- B. VLAN access lists
- C. Spanning Tree
- D. VMPS

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/products/collateral/ios-nx-os-software/identity-based-networking-services/config_guide_c17-663759.html

QUESTION 5

Which three components comprise the Cisco ISE profiler? (Choose three.)

- A. the sensor, which contains one or more probes
- B. the probe manager
- C. a monitoring tool that connects to the Cisco ISE
- D. the trigger, which activates ACLs
- E. an analyzer, which uses configured policies to evaluate endpoints
- F. a remitter tool, which fails over to redundant profilers

Correct Answer: ABE



QUESTION 6

In AAA, what function does authentication perform?

- A. It identifies the actions that the user can perform on the device.
- B. It identifies the user who is trying to access a device.
- C. It identifies the actions that a user has previously taken.
- D. It identifies what the user can access.

Correct Answer: B

QUESTION 7

Which statement about system time and NTP server configuration with Cisco ISE is true?

- A. The system time and NTP server settings can be configured centrally on the Cisco ISE.
- B. The system time can be configured centrally on the Cisco ISE, but NTP server settings must be configured individually on each ISE node.
- C. NTP server settings can be configured centrally on the Cisco ISE, but the system time must be configured individually on each ISE node.
- D. The system time and NTP server settings must be configured individually on each ISE node.

Correct Answer: D

QUESTION 8

Wireless client supplicants attempting to authenticate to a wireless network are generating excessive log messages. Which three WLC authentication settings should be disabled? (Choose three.)

- A. RADIUS Server Timeout
- B. RADIUS Aggressive-Failover
- C. Idle Timer
- D. Session Timeout
- E. Client Exclusion
- F. Roaming

Correct Answer: BCD

QUESTION 9



When is it feasible for a port to be both a guest VLAN and a restricted VLAN?

- A. this configuration scenario is never be implemented
- B. when you have configured the port for promiscuous mode
- C. when private VLANs have been configured to place each end device into different subnets
- D. when you want to allow both types of users the same services

Correct Answer: D

QUESTION 10

Which two statements about TrustSec in Closed Mode are true? (Choose two.)

- A. The wired port is in the shutdown state.
- B. All user traffic is blocked until authentication is complete.
- C. Only DNS and DHCP traffic are permitted until authentication is complete.
- D. Only EAPoL traffic is permitted until authentication is complete.
- E. It requires EAP-TLS.

Correct Answer: DE

QUESTION 11

What are the initial steps must you perform to add the ISE to the WLC?

- A. 1. With a Web browser, establish an HTTP connection to the WLC pod. 2, Navigate to Administration > Authentication > New.

3. Enter server values to begin the configuration.

- B. 1. With a Web browser, establish an FTP connection to the WLC pod.

2.

Navigate to Security > Administration > New.

3.

Add additional security features for FTP authentication.

- C. 1. With a Web browser, establish an HTTP connection to the WLC pod.

2.

Navigate to Authentication > New.



3.

Enter ACLs and Authentication methods to begin the configuration.

D. 1. With a Web browser connect, establish an HTTPS connection to the WLC pod.

2.

Navigate to Security > Authentication > New.

3.

Enter server values to begin the configuration.

Correct Answer: D

QUESTION 12

After you connected unmanaged switch to the port dot1x failed, what is the problem?

A. missing command "mab"

B. there is no Bpdu in the port

C. eapol packet not received in the port

D. missing command "authentication host-mode multi-host"

E. missing command "authentication host-mode multi-auth"

Correct Answer: E

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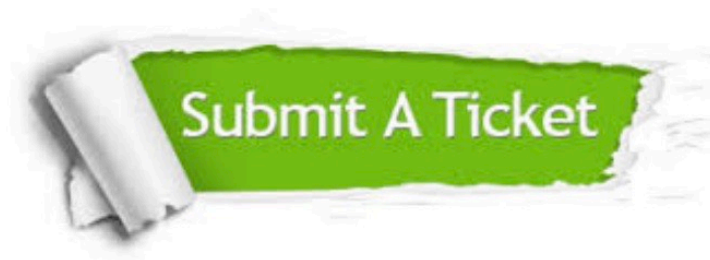
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