



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

* Identity Store Name

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

<input type="checkbox"/>	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

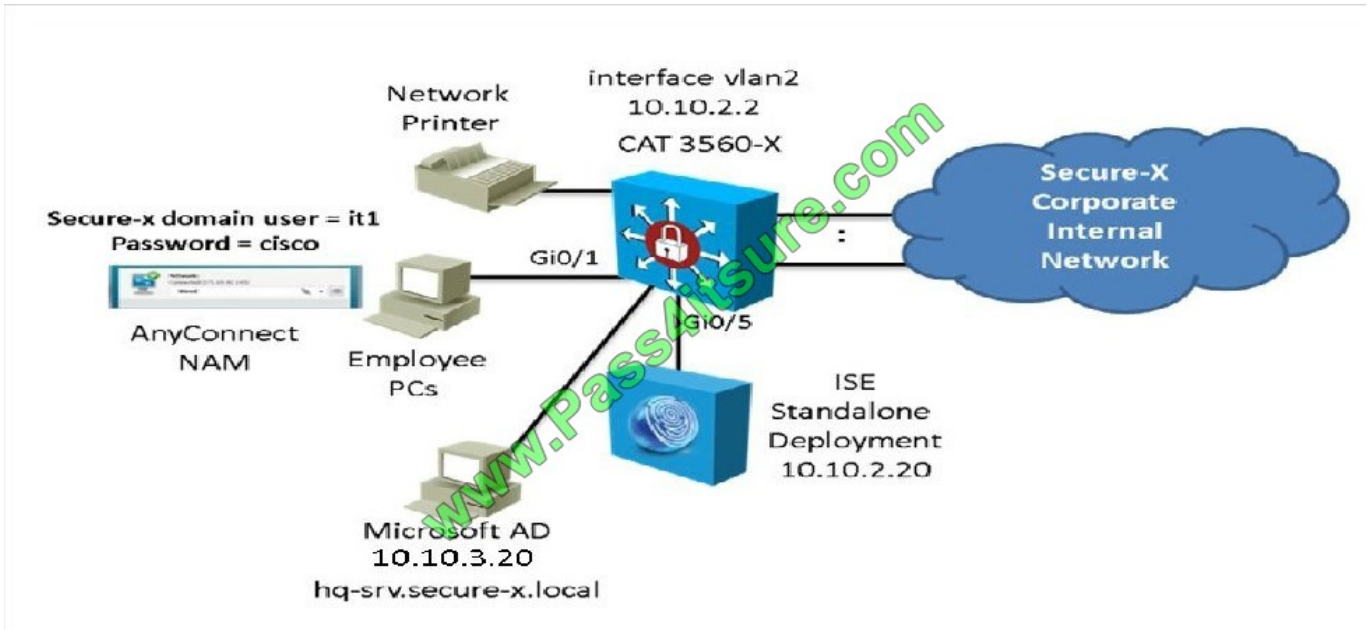
Edit the IT users authorization policy so IT users who successfully authenticated will get the permission of the existing IT_Corp authorization profile.

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.



The screenshot shows the Cisco Identity Services Engine (ISE) web interface. The top navigation bar includes 'Home', 'Operations', 'Policy', and 'Administration'. The main dashboard displays the following metrics:

- Total Endpoints**: 2
- Active Endpoints**: 0
- Active Guests**: 0
- Profiled Endpoints**: 2
- Posture Compliance**: 0%

The interface is divided into several sections:

- System Summary**: A table showing system components like 'ise' with utilization and latency data.
- Alarms**: A table listing various system alarms such as 'Insufficient Virtual Mac...', 'Authentication Inactivity', 'No Configuration Back...', 'Configuration Changed', 'NTP Sync Failure', 'DNS Resolution Failure', and 'Unknown NAD'.
- Authentications**: A summary of authentication results, showing 'Passed 0' and 'Failed 0'.
- Profiler Activity**: A summary of profiler activity, showing 'Total 0'.
- Posture Compliance**: A summary of posture compliance, showing 'Total 0'.

A watermark 'www.Pass4itSure.com' is visible across the screenshot.

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

CISCO 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

Scenario TOPOLOGY

Then hit Done and save.

QUESTION 2

Which three algorithms should be avoided due to security concerns? (Choose three.)

- A. DES for encryption
- B. SHA-1 for hashing
- C. 1024-bit RSA
- D. AES GCM mode for encryption
- E. HMAC-SHA-1
- F. 256-bit Elliptic Curve Diffie-Hellman
- G. 2048-bit Diffie-Hellman



Correct Answer: ABC

QUESTION 3

Which three remediation actions are supported by the Web Agent for Windows? (Choose three.)

- A. Automatic Remediation
- B. Message text
- C. URL Link
- D. File Distribution
- E. AV definition update
- F. Launch Program

Correct Answer: BCD

QUESTION 4

Which port does cisco ISE use for native supplicant provisioning of a windows computer?

- A. TCP/UDP 8905
- B. TCP 8443
- C. TCP/UDP 8909
- D. TCP 443

Correct Answer: C

TCP: 80, 8443 (web or Cisco NAC agent installation) Note TCP port 8443 is enabled by default, configurable, and corresponds to Guest configuration TCP: 8905 (Cisco NAC agent update) TCP: 8909 and UDP: 8909 (web, Cisco NAC Agent, supplicant provisioning wizard installation)

QUESTION 5

Which two are technologies that secure the control plane of the Cisco router? (Choose two.)

- A. Cisco IOS Flexible Packet Matching
- B. uRPF
- C. routing protocol authentication
- D. CPPr
- E. BPDU protection



F. role-based access control

Correct Answer: CD

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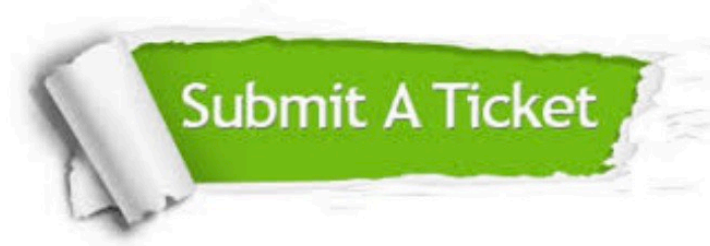
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