



Cisco

300-208 Exam

Cisco Implementing Cisco Secure Access Solutions Exam

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Version: 24.0

Question: 1

What are three portals provided by PSN? (Choose three.)

- A. Monitoring
- B. Troubleshooting
- C. Sponsor
- D. Guest
- E. My devices
- F. Admin

Answer: C, D, E

Question: 2

A customer is concerned with the use of the issued laptops even when devices are not on the corporate network. Which agent continues to be operational even when the host is not on the Cisco ISE network?

- A. Cisco ISE Agent
- B. Cisco NAC Agent
- C. Cisco Custom Agent
- D. Cisco NAC Web Agent

Answer: B

Question: 3

A company has implemented a dual SSID BYOD design. A provisioning SSID is used for user registration, and an employee SSID is used for company network access. How is the layer 2 security of the provisioning SSID configured?

- A. 802.1X
- B. Open
- C. WPA2
- D. MAC filtering disabled

Answer: B

Question: 4

A company has implemented a dual SSID BYOD design. A provisioning SSID is used for user registration, and an employee SSID is used for company network access. Which controller option must be enabled to allow a user to switch immediately from the provisioning SSID to the employee SSID after registration has been completed?

- A. AAA override
- B. User Idle Timeout
- C. Fast SSID Change
- D. AP Fallback

Answer: C

Question: 5

An engineer must enable SGACL policy globally for a Cisco TrustSec –enabled routed interface. Which command must be used?

- A. cts role-based monitor enable
- B. cts role-based enforcement
- C. cts role-based sgt-caching with-enforcement
- D. cts role-based monitor permissions from {sgt_num} to {dgt_num}][ipv4 | ipv6]

Answer: B

Question: 6

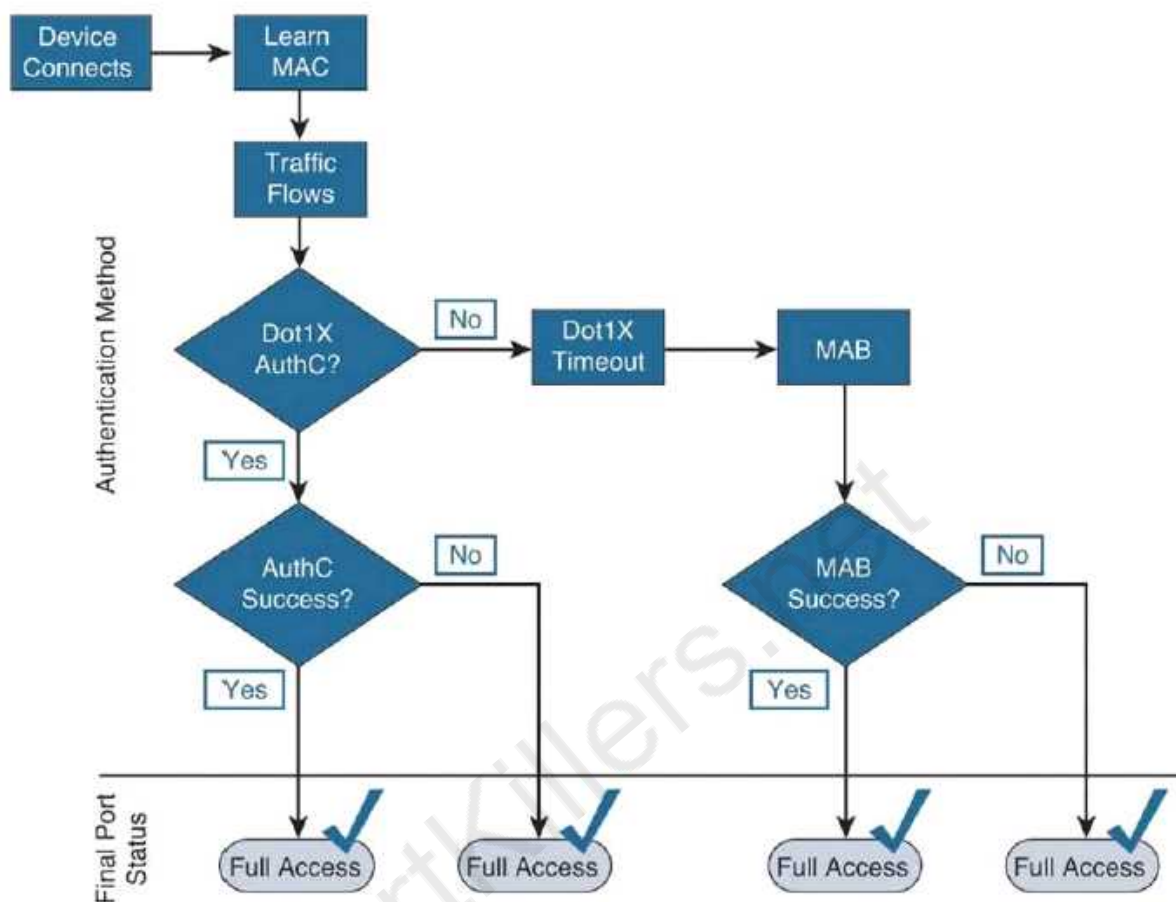
What two values does Cisco recommend you adjust and test to set the optimal timeout value for your network's specific 802.1X MAB deployment?

- A. Max-reauth-req
- B. Supp-timeout
- C. Max-req
- D. Tx-period
- E. Server-timeout

Answer: A, D

Question: 7

Refer to the exhibit.



Which ISE flow mode does this diagram represent?

- A. Closed mode
- B. Monitor mode
- C. Application mode
- D. Low-impact mode

Answer: B

Question: 8

Which two protocols does Cisco Prime Infrastructure use for device discovery? (Choose two.)

- A. SNAP
- B. LLDP
- C. RARP
- D. DNS

E. LACP

Answer: BD

Question: 9

An engineer is designing a BYOD environment utilizing Cisco ISE for devices that do not support native supplicants. Which portals must the security engineer configure to accomplish this task?

- A. Client Provisioning Portals
- B. BYOD Portals
- C. My Devices Portals
- D. MDM Portals

Answer: C

Question: 10

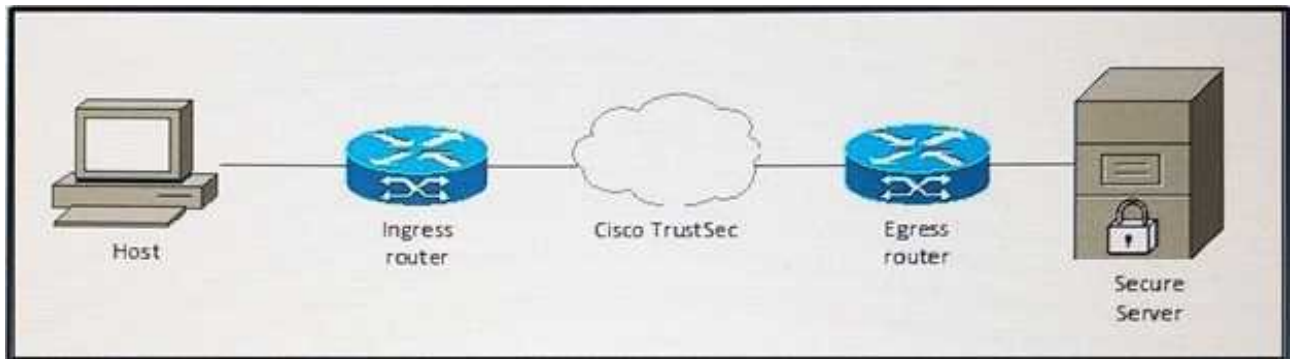
An engineer must limit the configuration parameters that can be executed on the Cisco ASAs deployed throughout the network. Which command allows the engineer to complete this task?

- A. AAA-server tacacs1(inside) host 10.5.109.18
\$3cr37 timeout2
!
aaa authorization command tacacs1
- B. AAA-server tacacs1(inside) host 10.5.109.18
\$3cr37 timeout2
!
aaa authentication ssh console tacacs1
- C. AAA-server tacacs1(inside) host 10.5.109.18
\$3cr37 timeout2
!
aaa authorization exec authentication-server
- D. AAA-server tacacs1(inside) host 10.5.109.18
\$3cr37 timeout2
!
aaa authentication exclude ssh

Answer: A

Question: 11

Refer to the exhibit.



If the host sends a packet across the Cisco TrustSec domain, where is the SGACL enforced?

- A. At the egress router
- B. Dynamically at the host
- C. After the packet enters the Cisco TrustSec domain
- D. At the ingress router.

Answer: A

Question: 12

Which type of SGT propagation does a WLC in a data center require?

- A. SXP
- B. SGT Reflector
- C. SGT inline tagging
- D. SGT Reflector

Answer: C

Question: 13

Which two accounting types are used to implement accounting with RADIUS? (Choose two.)

- A. Network
- B. User
- C. Attribute
- D. Device
- E. Resource

Answer: AE

Question: 14

Which functionality does the Cisco ISE BYOD flow provide?

- A. It provides support for native supplicants, allowing users to connect devices directly to the network.
- B. It provides the My Devices portal, allowing users to add devices to the network.
- C. It provides support for users to install the Cisco NAC agent on enterprise devices.
- D. It provides self-registration functionality to allow guest users to access the network.

Answer: A

Question: 15

Which description of SXP is true?

- A. applies SGT along every hop in the network path
- B. propagates SGT on a device upon which SGT inline tagging is unsupported
- C. removes SGT from every in the network path
- D. propagates SGT on a device which inline tagging is supported

Answer: B

Reference:

[https://www.cisco.com/c/dam/en/us/solutions/collateral/borderless-networks/trustsec/C07-730151-00_overHYPERLINK_https://www.cisco.com/c/dam/en/us/solutions/collateral/borderless-networks/trustsec/C07-730151-00_overview_of_trustSec_og.pdf"view_of_trustSec_og.pdf](https://www.cisco.com/c/dam/en/us/solutions/collateral/borderless-networks/trustsec/C07-730151-00_overHYPERLINK_https://www.cisco.com/c/dam/en/us/solutions/collateral/borderless-networks/trustsec/C07-730151-00_overview_of_trustSec_og.pdf)

Question: 16

You must recover a wireless client from quarantine. You disconnect the client from the network. Which action do you take next?

- A. Reboot the client machine after the idle timeout period expires.
- B. Start a manual reassessment
- C. Reconnect to the network after the idle timeout period expires.
- D. Turn off the MIC of the client

Answer: C

Reference:

https://www.cisco.com/c/en/us/td/docs/security/ise/1-2/user_guide/ise_user_guide/ise_pos_pol"https://www.cisco.com/c/en/us/td/docs/security/ise/1-2/user_guide/ise_user_guide/ise HYPERLINK "https://www.cisco.com/c/en/us/td/docs/security/ise/1-2/user_guide/ise_user_guide/ise HYPERLINK "https://www.cisco.com/c/en/us/td/docs/security/ise/1-2/user_guide/ise_user_guide/ise HYPERLINK

[2/user_guide/ise_user_guide/ise_pos_pol"pos_pol](#)

Question: 17

Which internal Cisco ISE component reduces demand on JVM memory by limiting the number of devices the profiler handles?

- A. eventHandlerQueueStze
- B. maxEndPomtsInLocalDb
- C. NetworkDeviceEventHandter
- D. forwarderQueueSize

Answer: A

Question: 18

Which action do you take to define the global authorization exception policy by using a Device Admin Policy Set?

- A. Configure the policy by using Proxy Sequence mode.
- B. Configure a rule-based condition in a policy set.
- C. Define the policy for each group of devices.
- D. Define the policy by configuring a standard profile

Answer: B

Question: 19

In the redirect URL authorization attribute, which Cisco ISE node acts as the web server when performing CWA?

- A. Administration
- B. Monitoring
- C. Policy Service
- D. pxGrid

Answer: C

Reference:

https://www.cisco.com/c/en/us/td/docs/security/ise/2-3/admin_guide/b_ise_admin_guide_23/b_HYPERLINK
["https://www.cisco.com/c/en/us/td/docs/security/ise/2-3/admin_guide/b_ise_admin_guide_23/b_ise_admin_guide_23_chapter_01111"ise_admin_guide_23_chapter_01111](https://www.cisco.com/c/en/us/td/docs/security/ise/2-3/admin_guide/b_ise_admin_guide_23/b_ise_admin_guide_23_chapter_01111)

Question: 20

Which two protocols are supported with the Cisco IOS Device Sensor? (Choose two.)

- A. SNMP
- B. Cisco Discovery Protocol
- C. RADIUS
- D. LLDP
- E. NetFlow

Answer: B, D

Explanation:

Device Sensor feature is used to gather raw endpoint data from network devices using protocols such as Cisco Discovery Protocol (CDP), Link Layer Discovery Protocol (LLDP), and DHCP. The endpoint data is made available to registered clients in the context of an access session.

Reference:

https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3750/software/release/15-0_1_se/HYPERLINK

["https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3750/software/release/15-0_1_se/device_sensor/guide/sensor_guide"device_sensor/guide/sensor_guide](https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3750/software/release/15-0_1_se/device_sensor/guide/sensor_guide)

Question: 21

What sends the redirect ACL that is configured in the authorization profile back to the Cisco WLC?

- A. Event
- B. Cisco-av-pair
- C. State attribute
- D. Class attribute

Answer: B

Reference:

<https://community.cisco.com/t5/policy-and-access/ise-airespace-acl-wlc-problem/td-p/2110491>

Question: 22

While troubleshooting a posture assessment issue on a Windows PC, the NAC Agent is not popping up as expected. Which two logs would help in isolating the issue? (Choose two.)

- A. Cisco AnyConnect ISE posture logs
- B. NAC agent logs
- C. Dart bundle
- D. Cisco ISE profiler log file
- E. Cisco ISE ise-psc.log file

Answer: DE

Question: 23

A manager of Company A is hosting a conference. Conference participants use a code on the AUP page of the hot-spot guest portal. Which code must the manager create on Cisco ISE before the meeting?

- A. user code
- B. pass code
- C. access code
- D. registration code

Answer: C

Question: 24

Which command is needed to enable dot1x globally on the switch?

- A. aaa authentication dot1x default group radius
- B. dot1x system-auth-control
- C. dot1x pae authenticator
- D. authentication port-control auto

Answer: B

https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/sec_usr_8021x/configuration/x-3se/3850/secuser-8021x-xe-3se-3850-book/config-ieee-802x-pba

Question: 25

DRAG DROP

Drag and drop the portals from the left onto the correct portal tasks on the right.

Blacklist	Provide a posture assessment for a device
Certificate Provisioning	Request a certificate for a device that is unable to use onboarding support.
Client Provisioning	Remove a device.
My Devices	Register a lost device.

Answer:

- Client Provisioning
- Certificate Provisioning
- Blacklist
- My Devices

Reference:

https://www.cisco.com/c/en/us/td/docs/security/ise/1-4/admin_guide/b_ise_admin_guide_14/b_ise_admin_guiHYPERLINK
["https://www.cisco.com/c/en/us/td/docs/security/ise/1-4/admin_guide/b_ise_admin_guide_14/b_ise_admin_guide_14_chapter_010000"de_14_chapter_010000](https://www.cisco.com/c/en/us/td/docs/security/ise/1-4/admin_guide/b_ise_admin_guide_14/b_ise_admin_guide_14_chapter_010000/de_14_chapter_010000)

Question: 26

DRAG DROP

Drag and drop each posture assessment outcome from the left onto the appropriate definition on the right.

compliant	NAC agent determined something on the endpoint is in violation of the defined security policy.
unknown	NAC agent on the endpoint determined that the software assessment on the endpoint adheres to the security policy.
noncompliant	The endpoint failed to report a posture assessment to ISE.

Answer:

noncompliant

compliant

unknown

Question: 27

DRAG DROP

Drag and drop the BYOD user experiences on an iPad on the left into the correct order on the right.

The CSR is generated on the endpoint and is sent to the Cisco ISE, which forwards it to the SCEP server	1
The user opens a web browser and is redirected to a registration portal	2
A CoA is issued and the endpoint is reconnected to the network with the proper access	3
The endpoint installs a signed certificate that is returned from the Cisco ISE along with the wireless network setting	4
The endpoint authenticates to secure SSID using the username and password	5

Answer:

The endpoint authenticates to secure SSID using the username and password

The user opens a web browser and is redirected to a registration portal

The CSR is generated on the endpoint and is sent to the Cisco ISE, which forwards it to the SCEP server

The endpoint installs a signed certificate that is returned from the Cisco ISE along with the wireless network setting

A CoA is issued and the endpoint is reconnected to the network with the proper access

Question: 28

In this simulation, you are task to examine the various authentication events using the ISE GUI. For example, you should see events like Authentication succeeded. Authentication failed and etc...

The diagram illustrates a network setup where a Network Printer and Employee PCs are connected to a CAT 3560-X switch. The switch's interface vlan2 has the IP address 10.10.2.2. The switch is connected to a Secure-X Corporate Internal Network and an ISE Standalone Deployment (IP 10.10.2.20). The ISE interface screenshot shows the following metrics:

- Total Endpoints: 5
- Active Endpoints: 2
- Active Guests: 0
- Profiled Endpoints: 5

The Alarms section in the ISE interface shows the following events:

Name	Occurrences	Last Occur...
Configuration Changed	787 times	41 mins ...
Authentication Inactivity	1049 times	2 hrs 15 ...
Insufficient Virtual Machin...	527 times	2 hrs 25 ...
RADIUS Request Dropped	858 times	14 hrs 4 ...
No Accounting Start	237 times	14 hrs 4...
Supplicant stopped respo...	21 times	16 hrs 4...
No Configuration Backup ...	187 times	23 hrs 2...

Which four statements are correct regarding the event that occurred at 2014-05-07 00:19:07.004? (Choose four.)

- A. The IT_Corp authorization profile were applied.
- B. The it1 user was matched to the IT_Corp authorization policy.
- C. The it1 user supplicant used the PEAP (EAP-MSCHAPv2) authentication method.
- D. The it1 user was authenticated using MAB.
- E. The it1 user was successfully authenticated against AD1 identity store.
- F. The it1 user machine has been profiled as a Microsoft-Workstation.
- G. The it1 user machine has passed all the posture assesment tests.

Answer: B,C,E,F

Explanation:

Here are the details shown for this event:

The screenshot displays the ISE GUI for a successful authentication event. The event details are as follows:

Overview	
Event	5200 Authentication succeeded
Username	it1
Endpoint Id	4403-A7-82-41-7F
Endpoint Profile	Microsoft Workstation
Authorization Profile	IT_Corp
AuthorizationPolicyMatchedRule	IT user
ISEPolicySetName	Default
IdentitySelectionMatchedRule	Default

Authentication Details	
Source Timestamp	2014-05-07 00:19:07.003
Received Timestamp	2014-05-07 00:19:07.004
Policy Server	ISE
Event	5200 Authentication succeeded
Failure Reason	
Resolution	
Root cause	
Username	it1
User Type	
Endpoint Id	4403-A7-82-41-7F
Endpoint Profile	Microsoft Workstation
IP Address	10.13.9.17
Identity Store	AD1
Identity Group	Workstation
Audit Session Id	0A0A0202000000D1070C4295
Authentication Method	641x
Authentication Protocol	PEAP (EAP-MSCHAPv2)

Other Attributes	
ConfigVersionId	0
DestinationPort	1646
Protocol	Radius
NAS-Port	50001
Framed-MTU	1600
State	37CFMSessionID=0A0A0202000000D1070C4295; 270eapId=ise/100803462/265
AcqSessionId	ise/100803462/265
SelectedAuthenticationIdentityStoresAD1	
SelectedAuthenticationIdentityStoresInternal User	
ADDomain	secure-it.local
AuthorizationPolicyMatchedRule	IT user
CFMSessionID	0A0A0202000000D1070C4295
EndPointMACAddress	44-03-A7-82-41-7F
ISEPolicySetName	Default
AllowedProtocolMatchedRule	Default
IdentitySelectionMatchedRule	Default
HostIdentityGroup	Endpoint Identity Group: Profiled Workstation
Location	Location#All; Location#HQ

Question: 29

In this simulation, you are task to examine the various authentication events using the ISE GUI. For example, you should see events like Authentication succeeded. Authentication failed and etc...

The diagram illustrates a network setup where a Network Printer and Employee PCs are connected to a CAT 3560-X switch. The switch's interface vlan2 has the IP address 10.10.2.2. The switch is connected to a Secure-X Corporate Internal Network and an ISE Standalone Deployment (IP 10.10.2.20) via Gi0/5. The ISE deployment is also connected to the switch via Gi0/1 to Gi0/3. The screenshot shows the ISE Identity Services Engine dashboard with the following metrics:

- Total Endpoints: 5
- Active Endpoints: 2
- Active Guests: 0
- Profiled Endpoints: 5

The Alarms table shows the following events:

Name	Occurrences	Last Occur...
Configuration Changed	787 times	41 mins ...
Authentication Inactivity	1049 times	2 hrs 15 ...
Insufficient Virtual Machin...	527 times	2 hrs 25 ...
RADIUS Request Dropped	858 times	14 hrs 4 ...
No Accounting Start	237 times	14 hrs 4...
Supplicant stopped respo...	21 times	16 hrs 4...
No Configuration Backup ...	187 times	23 hrs 2...

Which three statements are correct regarding the events with the 20 repeat count that occurred at 2014-05-07 00:22:48.748? (Choose three.)

- A. The device was successfully authenticated using MAB.
- B. The device matched the Machine_Corp authorization policy.
- C. The Print Servers authorization profile were applied.
- D. The device was profiled as a Linksys-PrintServer.
- E. The device MAC address is 00:14:BF:70:B5:FB.
- F. The device is connected to the Gi0/1 switch port and the switch IP address is 10.10.2.2.

Answer: A, D, E

Event Details:

The screenshot shows the 'MAB' event details window. At the top, it states: 'There have been 20 repeated authentications with the same authentication result. The authentication details of the first passed attempt is shown here.'

Overview

Event	5200 Authentication succeeded
Username	00:14:BF:70:B5:FB
Endpoint Id	00:14:BF:70:B5:FB
Endpoint Profile	Linksys-PrintServer
Authorization Profile	Machine_Corp
AuthorizationPolicyMatchedRule	Print Servers
ISEPolicySetName	Default
IdentitySelectionMatchedRule	Default

Authentication Details

Source Timestamp	2014-05-05 17:20:50.32
Received Timestamp	2014-05-05 17:20:50.32
Policy Server	ise
Event	5200 Authentication succeeded
Failure Reason	
Resolution	
Root cause	
Username	00:14:BF:70:B5:FB

Other Attributes

Location	HQ
NAS IP Address	10.10.2.2
NAS Port Id	GigabitEthernet0/10
NAS Port Type	Ethernet
Authorization Profile	Machine_Corp
Posture Status	NotApplicable
Security Group	
Response Time	20
ConfigVersionId	5
DestinationPort	1645
Protocol	Radius
NAS-Port	50019
Framed-MTU	1500
Original User Name	0014b70b5fb
AcxSessionID	ise/189583442/5
Use Case	Host Lookup
SelectedAuthenticationIdentityStoresInternal Endpoints	
AuthorizationPolicyMatchedRule	Print Servers
CPMSessionID	040A0202000003200570553
EndPointMACAddress	00-14-BF-70-B5-FB
ISEPolicySetName	Default

...continued:

Question: 30

In this simulation, you are task to examine the various authentication events using the ISE GUI. For example, you should see events like Authentication succeeded. Authentication failed and etc...

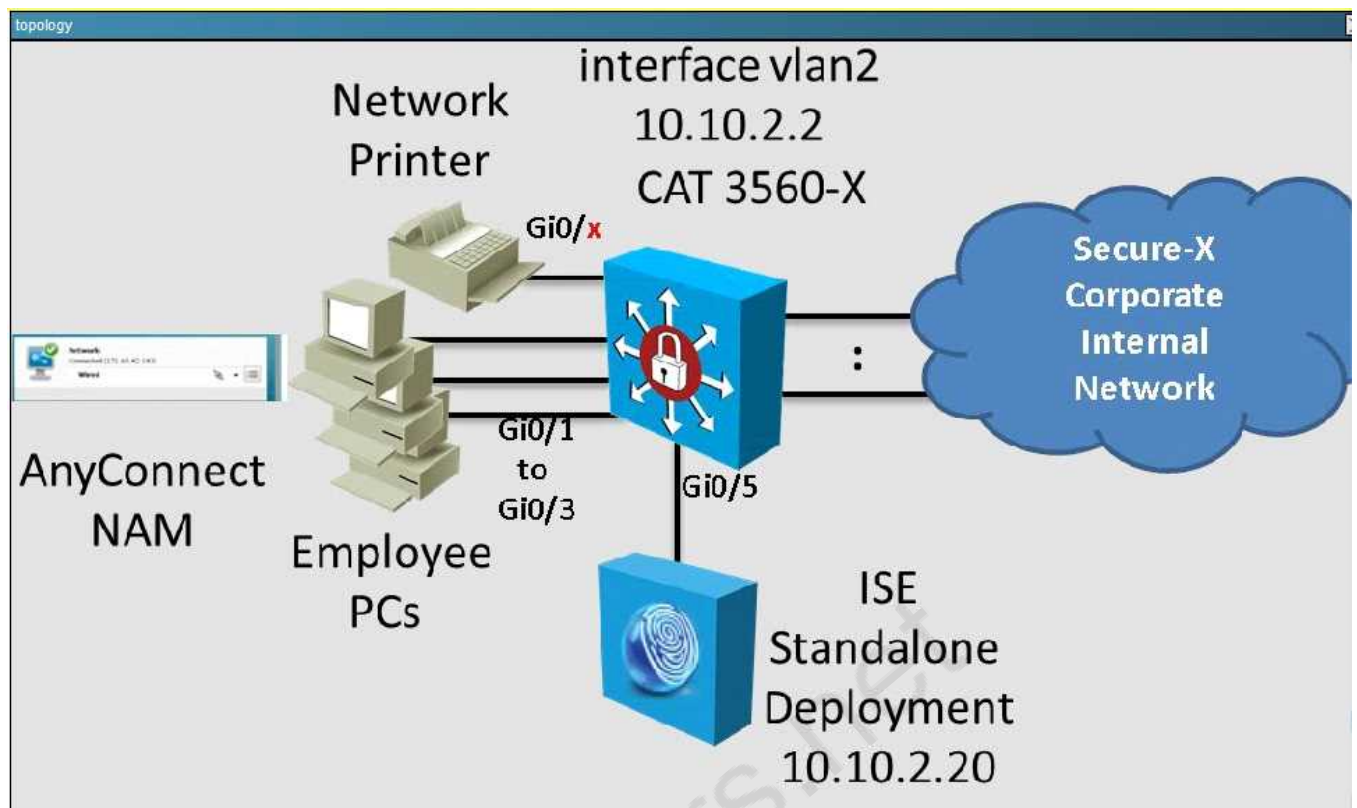
The image displays a network topology and the Cisco Identity Services Engine (ISE) Standalone Deployment interface. The topology shows a central blue switch labeled 'interface vlan2 10.10.2.2 CAT 3560-X'. This switch is connected to a 'Network Printer' via 'Gi0/x', 'Employee PCs' via 'Gi0/1 to Gi0/3', and an 'ISE Standalone Deployment' (IP: 10.10.2.20) via 'Gi0/5'. The switch is also connected to a cloud representing the 'Secure-X Corporate Internal Network'.

The screenshot below shows the ISE Standalone Deployment web interface. The top navigation bar includes 'Home', 'Operations', 'Policy', and 'Administration'. The 'Metrics' section shows: Total Endpoints: 5, Active Endpoints: 2, Active Guests: 0, and Profiled Endpoints: 5. The 'System Summary' table lists the 'ise' component with utilization and latency data. The 'Alarms' section lists various events such as 'Configuration Changed' (787 times) and 'Authentication Inactivity' (1049 times). The 'Authentications' section shows 12 Passed and 74 Failed attempts. The 'Profiler Activity' and 'Posture Compliance' sections show 9 total endpoints and 0 compliance issues, respectively.

Name	Utilization and Latency 24h		
	CPU	Memory	Authenticati...
ise	[Bar Chart]	[Bar Chart]	[Bar Chart]

Name	Occurrences	Last Occur...
Configuration Changed	787 times	41 mins ...
Authentication Inactivity	1049 times	2 hrs 15 ...
Insufficient Virtual Machin...	527 times	2 hrs 25 ...
RADIUS Request Dropped	858 times	14 hrs 4 ...
No Accounting Start	237 times	14 hrs 4...
Supplicant stopped respo...	21 times	16 hrs 4...
No Configuration Backup ...	187 times	23 hrs 2...

Category	Count
Passed	12
Failed	74



Which two statements are correct regarding the event that occurred at 2014-05-07 00:22:48.175?
(Choose two.)

- A. The DACL will permit http traffic from any host to 10.10.2.20
- B. The DACL will permit http traffic from any host to 10.10.3.20
- C. The DACL will permit icmp traffic from any host to 10.10.2.20
- D. The DACL will permit icmp traffic from any host to 10.10.3.20
- E. The DACL will permit https traffic from any host to 10.10.3.20

Answer: A, E

Event Details:

diac detail

Overview

Event	5232 DACL Download Succeeded
Username	#ACSACL#-IP-Employee_Restricted_DACL52777co0
Endpoint Id	
Endpoint Profile	
Authorization Profile	

Authentication Details

Source Timestamp	2014-05-07 00:22:40.174
Received Timestamp	2014-05-07 00:22:40.175
Policy Server	ise
Event	5232 DACL Download Succeeded
Failure Reason	
Resolution	
Root cause	
Username	#ACSACL#-IP-Employee_Restricted_DACL52777co0
User Type	
Endpoint Id	
Endpoint Profile	

Other Attributes

NAS Port Type	
Authorization Profile	
Posture Status	
Security Group	
Response Time	3
ConfigVersionId	8
DestinationPort	1045
Protocol	Radius
AcsSessionId	ise/188883442/378
CPMSessionId	0a0a0214000000635
Location	Location#All Location
Device Type	Device Type#All Devi
RADIUS Username	#ACSACL#-IP-Emple
Device IP Address	10.10.2.2
CiscoAVPair	aaa:serviceip_admin
aaa:event	acl-download

diac detail

Authentication Details

Source Timestamp	2014-05-07 00:22:40.174
Received Timestamp	2014-05-07 00:22:40.175
Policy Server	ise
Event	5232 DACL Download Succeeded
Failure Reason	
Resolution	
Root cause	
Username	#ACSACL#-IP-Employee_Restricted_DACL52777co0
User Type	
Endpoint Id	
Endpoint Profile	
IP Address	
Identity Store	
Identity Group	
Audit Session Id	
Authentication Method	
Authentication Protocol	
Service Type	
Network Device	HQ-SW
Device Type	
Location	HQ
NAS IP Address	10.10.2.2
NAS Port Id	
NAS Port Type	

Other Attributes

Protocol	Radius
AcsSessionId	ise/188883442/378
CPMSessionId	0a0a0214000000635
Location	Location#All Location
Device Type	Device Type#All Devi
RADIUS Username	#ACSACL#-IP-Emple
Device IP Address	10.10.2.2
CiscoAVPair	aaa:serviceip_admin
aaa:event	acl-download

Result

State	ReauthSession:0a0a02
Class	CACS:0a0a0214000000635
cisco-av-pair	ip:inac1#1=deny icmp a
cisco-av-pair	ip:inac1#2=deny icmp a
cisco-av-pair	ip:inac1#3=deny top an
cisco-av-pair	ip:inac1#4=permit ip an

display continue

Result

State	ReauthSession:0a0a02140000006353697CD8
Class	CACS:0a0a02140000006353697CD8:ise/188683442/376
cisco-av-pair	ip:inac1#1=deny icmp any host 10.10.2.20
cisco-av-pair	ip:inac1#2=deny icmp any host 10.10.3.20
cisco-av-pair	ip:inac1#3=deny tcp any host 10.10.3.20 eq 80
cisco-av-pair	ip:inac1#4=permit ip any any

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