

# Cisco

## Exam Questions 300-715

Implementing and Configuring Cisco Identity Services Engine (SISE)



**NEW QUESTION 1**

Select and Place

- uses username and password for authentication
- uses certificates for authentication
- changes credentials through the admin portal
- supports fragmentation after the tunnel is established
- uses the X.509 format
- supports auto-enrollment for obtaining credentials

**PEAP-MSCHAPv2**

**PEAP-EAP-TLS**

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

- uses username and password for authentication
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**PEAP-MSCHAPv2**

uses username and password for authentication

changes credentials through the admin portal

supports fragmentation after the tunnel is established

**PEAP-EAP-TLS**

uses certificates for authentication

uses the X.509 format

supports auto-enrollment for obtaining credentials

**NEW QUESTION 2**

Which statement about configuring certificates for BYOD is true?

- A. An Android endpoint uses EST, whereas other operating systems use SCEP for enrollment
- B. The SAN field is populated with the end user name.
- C. An endpoint certificate is mandatory for the Cisco ISE BYOD
- D. The CN field is populated with the endpoint host name

**Answer: C**

**NEW QUESTION 3**

When planning for the deployment of Cisco ISE, an organization's security policy dictates that they must use network access authentication via RADIUS. It also states that the deployment provide an adequate amount of security and visibility for the hosts on the network. Why should the engineer configure MAB in this situation?

- A. The Cisco switches only support MAB.
- B. MAB provides the strongest form of authentication available.
- C. The devices in the network do not have a supplicant.
- D. MAB provides user authentication.

**Answer: C**

**NEW QUESTION 4**

An organization is adding nodes to their Cisco ISE deployment and has two nodes designated as primary and secondary PAN and MnT nodes. The organization also has four PSNs An administrator is adding two more PSNs to this deployment but is having problems adding one of them What is the problem?

- A. The new nodes must be set to primary prior to being added to the deployment
- B. The current PAN is only able to track a max of four nodes
- C. Only five PSNs are allowed to be in the Cisco ISE cube if configured this way.
- D. One of the new nodes must be designated as a pxGrid node

**Answer: C**

**NEW QUESTION 5**

Which two features should be used on Cisco ISE to enable the TACACS+ feature? (Choose two )

- A. External TACACS Servers
- B. Device Admin Service
- C. Device Administration License
- D. Server Sequence
- E. Command Sets

**Answer: BC**

**NEW QUESTION 6**

Drag the steps to configure a Cisco ISE node as a primary administration node from the left into the correct order on the right.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin\\_guide/b\\_ise\\_admin\\_guide\\_24/b\\_ise\\_admin\\_guide](https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin_guide/b_ise_admin_guide_24/b_ise_admin_guide)

- Step 1  
Choose Administration > System > Deployment.
- The Register button will be disabled initially. To enable this button, you must configure a Primary PAN.
- Step 2  
Check the check box next to the current node, and click Edit.
- Step 3  
Click Make Primary to configure your Primary PAN.
- Step 4  
Enter data on the General Settings tab.
- Step 5  
Click Save to save the node configuration.

**NEW QUESTION 7**

An engineer is configuring web authentication and needs to allow specific protocols to permit DNS traffic. Which type of access list should be used for this configuration?

- A. reflexive ACL
- B. extended ACL
- C. standard ACL
- D. numbered ACL

**Answer: B**

**NEW QUESTION 8**

An engineer is configuring Cisco ISE to reprofile endpoints based only on new requests of INIT-REBOOT and SELECTING message types. Which probe should be used to accomplish this task?

- A. MMAP
- B. DNS
- C. DHCP
- D. RADIUS

**Answer: C**

**NEW QUESTION 9**

An engineer is working with a distributed deployment of Cisco ISE and needs to configure various network probes to collect a set of attributes from the endpoints on the network. Which node should be used to accomplish this task?

- A. PSN
- B. primary PAN
- C. pxGrid
- D. MnT

**Answer: A**

**NEW QUESTION 10**

An administrator is configuring new probes to use with Cisco ISE and wants to use metadata to help profile the endpoints. The metadata must contain traffic information relating to the endpoints instead of industry-standard protocol information. Which probe should be enabled to meet these requirements?

- A. NetFlow probe
- B. DNS probe
- C. DHCP probe
- D. SNMP query probe

**Answer: C**

**Explanation:**

<http://www.network-node.com/blog/2016/1/2/ise-20-profiling>

**NEW QUESTION 10**

An engineer is configuring a dedicated SSID for onboarding devices. Which SSID type accomplishes this configuration?

- A. dual
- B. hidden
- C. broadcast
- D. guest

**Answer: A**

**Explanation:**

<https://community.cisco.com/t5/security-documents/ise-byod-dual-vs-single-ssid-onboarding/ta-p/3641422>

[https://www.youtube.com/watch?v=HH\\_Xasqd9k4&ab\\_channel=CiscoISE-IdentityServicesEngine](https://www.youtube.com/watch?v=HH_Xasqd9k4&ab_channel=CiscoISE-IdentityServicesEngine)

[http://www.labminutes.com/sec0053\\_ise\\_1\\_1\\_byod\\_wireless\\_onboarding\\_dual\\_ssid](http://www.labminutes.com/sec0053_ise_1_1_byod_wireless_onboarding_dual_ssid)

**NEW QUESTION 11**

Drag the Cisco ISE node types from the left onto the appropriate purposes on the right.

Administration	provides advanced troubleshooting tools that can be used to effectively manage the network and resources
Policy Service	shares context-sensitive information from Cisco ISE to subscribers
Monitoring	manages all system-related configuration and configurations that relate to functionality such as authentication, authorization, and auditing
pxGrid	provides network access, posture, guest access, client provisioning and profiling services, and evaluates the policies to make all decisions

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Monitoring = provides advanced monitoring and troubleshooting tools that you can use to effectively manage your network and resources

Policy Service = provides network access, posture, guest access, client provisioning, and profiling services. This persona evaluates the policies and makes all the decisions.

Administration = manages all system-related configuration and configurations that relate to functionality such as authentication, authorization, auditing, and so on

pxGrid = shares context-sensitive information from Cisco ISE to subscribers

[https://www.cisco.com/c/en/us/td/docs/security/ise/1-4/admin\\_guide/b\\_ise\\_admin\\_guide\\_14/b\\_ise\\_admin\\_guide](https://www.cisco.com/c/en/us/td/docs/security/ise/1-4/admin_guide/b_ise_admin_guide_14/b_ise_admin_guide)

**NEW QUESTION 12**

Which two methods should a sponsor select to create bulk guest accounts from the sponsor portal? (Choose two )

- A. Random
- B. Monthly
- C. Daily
- D. Imported
- E. Known

**Answer:** AD

**NEW QUESTION 15**

A policy is being created in order to provide device administration access to the switches on a network. There is a requirement to ensure that if the session is not actively being used, after 10 minutes, it will be disconnected. Which task must be configured in order to meet this requirement?

- A. session timeout
- B. idle time
- C. monitor
- D. set attribute as

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin\\_guide/b\\_ISE\\_admin\\_guide\\_24/m\\_admin\\_ac](https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin_guide/b_ISE_admin_guide_24/m_admin_ac)

**NEW QUESTION 16**

An administrator is configuring posture with Cisco ISE and wants to check that specific services are present on the workstations that are attempting to access the network. What must be configured to accomplish this goal?

- A. Create a registry posture condition using a non-OPSWAT API version.
- B. Create an application posture condition using a OPSWAT API version.
- C. Create a compound posture condition using a OPSWAT API version.
- D. Create a service posture condition using a non-OPSWAT API version.

**Answer:** D

**NEW QUESTION 19**

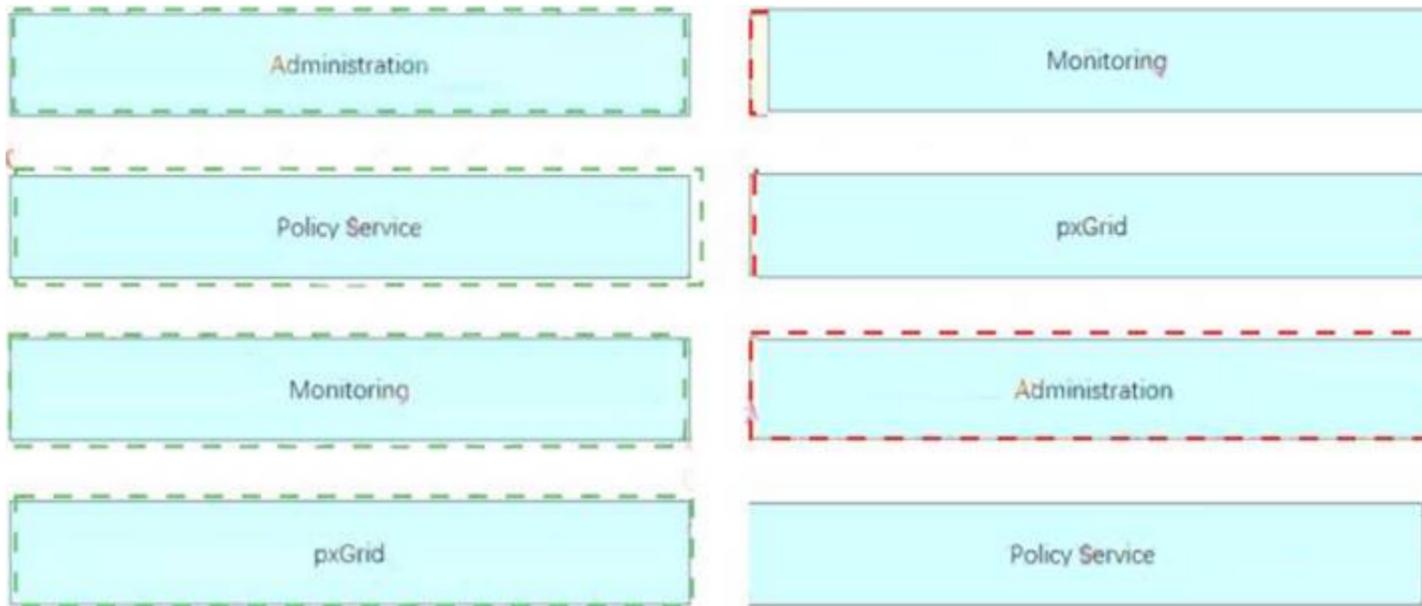
Select and Place

Administration	provides advanced troubleshooting tools that can be used to effectively manage the network and resources
Policy Service	shares context sensitive information from Cisco ISE to subscenes
Monitoring	manages all system-related configuration and configurations that relate to functionality such as authentication automation, and auditing
pxGrid	provides network access, posture, guest access, client provisioning and profiling services, and evaluates the policies to make all decisions

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 20**

A company is attempting to improve their BYOD policies and restrict access based on certain criteria. The company's subnets are organized by building. Which attribute should be used in order to gain access based on location?

- A. static group assignment
- B. IP address
- C. device registration status
- D. MAC address

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin\\_guide/b\\_ise\\_admin\\_guide\\_21/b\\_ise\\_admin\\_](https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin_guide/b_ise_admin_guide_21/b_ise_admin_)

**NEW QUESTION 24**

A user changes the status of a device to stolen in the My Devices Portal of Cisco ISE. The device was originally onboarded in the BYOD wireless Portal without a certificate. The device is found later, but the user cannot re-onboard the device because Cisco ISE assigned the device to the Blocklist endpoint identity group. What must the user do in the My Devices Portal to resolve this issue?

- A. Manually remove the device from the Blocklist endpoint identity group.
- B. Change the device state from Stolen to Not Registered.
- C. Change the BYOD registration attribute of the device to None.
- D. Delete the device, and then re-add the device.

**Answer:** B

**NEW QUESTION 27**

An organization wants to standardize the 802.1X configuration on their switches and remove static ACLs on the switch ports while allowing Cisco ISE to communicate to the switch what access to provide. What must be configured to accomplish this task?

- A. security group tag within the authorization policy
- B. extended access-list on the switch for the client
- C. port security on the switch based on the client's information
- D. dynamic access list within the authorization profile

**Answer:** A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/1-2/user\\_guide/ise\\_user\\_guide/ise\\_sga\\_pol.html#](https://www.cisco.com/c/en/us/td/docs/security/ise/1-2/user_guide/ise_user_guide/ise_sga_pol.html#)

**NEW QUESTION 31**

Refer to the exhibit.

```
Switch(config)# gigabitEthernet 1/0/2
Switch(config)# authentication port-control auto
Switch(config)# authentication host-mode multi-auth
```

In which scenario does this switch configuration apply?

- A. when allowing a hub with multiple clients connected
- B. when passing IP phone authentication
- C. when allowing multiple IP phones to be connected
- D. when preventing users with hypervisor

**Answer:** A

**Explanation:**

[https://www.linkedin.com/pulse/mac-authentication-bypass-priyanka-kumari#:~:text=Multi%2Dauthentication%](https://www.linkedin.com/pulse/mac-authentication-bypass-priyanka-kumari#:~:text=Multi%2Dauthentication%2D)

**NEW QUESTION 36**

Which configuration is required in the Cisco ISE authentication policy to allow Central Web Authentication?

- A. MAB and if user not found, continue
- B. MAB and if authentication failed, continue
- C. Dot1x and if user not found, continue
- D. Dot1x and if authentication failed, continue

**Answer:** A

**NEW QUESTION 40**

An administrator is configuring the Native Supplicant Profile to be used with the Cisco ISE posture agents and needs to test the connection using wired devices to determine which profile settings are available. Which two configuration settings should be used to accomplish this task? (Choose two.)

- A. authentication mode
- B. proxy host/IP
- C. certificate template
- D. security
- E. allowed protocol

**Answer:** CE

**NEW QUESTION 44**

An engineer is designing a new distributed deployment for Cisco ISE in the network and is considering failover options for the admin nodes. There is a need to ensure that an admin node is available for configuration of policies at all times. What is the requirement to enable this feature?

- A. one primary admin and one secondary admin node in the deployment
- B. one policy services node and one secondary admin node
- C. one policy services node and one monitoring and troubleshooting node
- D. one primary admin node and one monitoring and troubleshooting node

**Answer:** A

**NEW QUESTION 47**

Which term refers to an endpoint agent that tries to join an 802 1X-enabled network?

- A. EAP server
- B. supplicant
- C. client
- D. authenticator

**Answer:** B

**Explanation:**

[https://www.oreilly.com/library/view/cisco-ise-for/9780133103632/ch16.html#:~:text=What%20is%20a%20supplicant%20and%20how%20to%20configure%20it%20in%20Cisco%20ISE%20and%20its%20components%20and%20services%20are,Identity%20Services%20Engine%20\(ISE\).](https://www.oreilly.com/library/view/cisco-ise-for/9780133103632/ch16.html#:~:text=What%20is%20a%20supplicant%20and%20how%20to%20configure%20it%20in%20Cisco%20ISE%20and%20its%20components%20and%20services%20are,Identity%20Services%20Engine%20(ISE).)

**NEW QUESTION 52**

A user is attempting to register a BYOD device to the Cisco ISE deployment, but needs to use the onboarding policy to request a digital certificate and provision the endpoint. What must be configured to accomplish this task?

- A. A native supplicant provisioning policy to redirect them to the BYOD portal for onboarding
- B. The Cisco AnyConnect provisioning policy to provision the endpoint for onboarding
- C. The BYOD flow to ensure that the endpoint will be provisioned prior to registering
- D. The posture provisioning policy to give the endpoint all necessary components prior to registering

**Answer:** A

**NEW QUESTION 55**

Which supplicant(s) and server(s) are capable of supporting EAP-CHAINING?

- A. Cisco AnyConnect NAM and Cisco Identity Service Engine
- B. Cisco AnyConnect NAM and Cisco Access Control Server
- C. Cisco Secure Services Client and Cisco Access Control Server
- D. Windows Native Supplicant and Cisco Identity Service Engine

**Answer:** A

**NEW QUESTION 56**

During a 802 1X deployment, an engineer must identify failed authentications without causing problems for the connected endpoint. Which command will successfully achieve this?"

- A. dot1x system-auth-control
- B. dot1x pae authenticator
- C. authentication open
- D. authentication port-control auto

**Answer:** C

#### NEW QUESTION 61

An administrator is configuring a new profiling policy within Cisco ISE. The organization has several endpoints that are the same device type and all have the same Block ID in their MAC address. The profiler does not currently have a profiling policy created to categorize these endpoints. Therefore, a custom profiling policy must be created. Which condition must the administrator use in order to properly profile an ACME AI Connector endpoint for network access with MAC address <MAC ADDRESS>?

- A. MAC\_OUI\_STARTSWITH\_<MACADDRESS>
- B. CDP\_cdpCacheDeviceID\_CONTAINS\_<MACADDRESS>
- C. MAC\_MACAddress\_CONTAINS\_<MACADDRESS>
- D. Radius Called Station-ID STARTSWITH <MACADDRESS>

**Answer:** D

#### NEW QUESTION 66

In a Cisco ISE split deployment model, which load is split between the nodes?

- A. AAA
- B. network admission
- C. log collection
- D. device admission

**Answer:** A

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-6/install\\_guide/b\\_ise\\_InstallationGuide26.pdf](https://www.cisco.com/c/en/us/td/docs/security/ise/2-6/install_guide/b_ise_InstallationGuide26.pdf)

#### NEW QUESTION 71

An engineer needs to configure Cisco ISE Profiling Services to authorize network access for IP speakers that require access to the intercom system. This traffic needs to be identified if the ToS bit is set to 5 and the destination IP address is the intercom system. What must be configured to accomplish this goal?

- A. NMAP
- B. NETFLOW
- C. pxGrid
- D. RADIUS

**Answer:** B

#### NEW QUESTION 76

An administrator enables the profiling service for Cisco ISE to use for authorization policies while in closed mode. When the endpoints connect, they receive limited access so that the profiling probes can gather information and Cisco ISE can assign the correct profiles. They are using the default values within Cisco ISE, but the devices do not change their access due to the new profile. What is the problem?

- A. In closed mode, profiling does not work unless CDP is enabled.
- B. The profiling probes are not able to collect enough information to change the device profile.
- C. The profiler feed is not downloading new information so the profiler is inactive.
- D. The default profiler configuration is set to No CoA for the reauthentication setting.

**Answer:** D

#### NEW QUESTION 81

An administrator is troubleshooting an endpoint that is supposed to bypass 802.1X and use MAB. The endpoint is bypassing 802.1X and successfully getting network access using MAB, however, the endpoint cannot communicate because it cannot obtain an IP address. What is the problem?

- A. The DHCP probe for Cisco ISE is not working as expected.
- B. The 802.1X timeout period is too long.
- C. The endpoint is using the wrong protocol to authenticate with Cisco ISE.
- D. An AC I on the port is blocking HTTP traffic.

**Answer:** B

#### NEW QUESTION 84

What must be configured on the WLC to configure Central Web Authentication using Cisco ISE and a WLC?

- A. Set the NAC State option to SNMP NAC.
- B. Set the NAC State option to RADIUS NAC.
- C. Use the radius-server vsa send authentication command.
- D. Use the ip access-group webauth in command.

**Answer:** B

#### NEW QUESTION 89

When configuring an authorization policy, an administrator cannot see specific Active Directory groups present in their domain to be used as a policy condition. However, other groups that are in the same domain are seen. What is causing this issue?

- A. Cisco ISE only sees the built-in groups, not user created ones
- B. The groups are present but need to be manually typed as conditions
- C. Cisco ISE's connection to the AD join point is failing
- D. The groups are not added to Cisco ISE under the AD join point

**Answer:** D

#### Explanation:

[https://www.youtube.com/watch?v=0kuEZEo564s&ab\\_channel=CiscoISE-IdentityServicesEngine](https://www.youtube.com/watch?v=0kuEZEo564s&ab_channel=CiscoISE-IdentityServicesEngine)

#### NEW QUESTION 94

A security administrator is using Cisco ISE to create a BYOD onboarding solution for all employees who use personal devices on the corporate network. The administrator generates a Certificate Signing Request and signs the request using an external Certificate Authority server. Which certificate usage option must be selected when importing the certificate into ISE?

- A. RADIUS
- B. DLTS
- C. Portal
- D. Admin

**Answer:** C

#### NEW QUESTION 96

Which two endpoint compliance statuses are possible? (Choose two.)

- A. unknown
- B. known
- C. invalid
- D. compliant
- E. valid

**Answer:** AD

#### NEW QUESTION 99

An engineer is using Cisco ISE and configuring guest services to allow wireless devices to access the network. Which action should accomplish this task?

- A. Create the redirect ACL on the WLC and add it to the WLC policy
- B. Create the redirect ACL on the WLC and add it to the Cisco ISE policy.
- C. Create the redirect ACL on Cisco ISE and add it to the WLC policy
- D. Create the redirect ACL on Cisco ISE and add it to the Cisco ISE Policy

**Answer:** B

#### NEW QUESTION 104

When creating a policy within Cisco ISE for network access control, the administrator wants to allow different access restrictions based upon the wireless SSID to which the device is connecting. Which policy condition must be used in order to accomplish this?

- A. Network Access NetworkDeviceName CONTAINS <SSID Name>
- B. DEVICE Device Type CONTAINS <SSID Name>
- C. Radius Called-Station-ID CONTAINS <SSID Name>
- D. Airespace Airespace-Wlan-Id CONTAINS <SSID Name>

**Answer:** C

#### Explanation:

<https://www.cisco.com/c/en/us/support/docs/security/identity-services-engine/115734-ise-policies-ssid-00.h>

#### NEW QUESTION 107

A network engineer needs to ensure that the access credentials are not exposed during the 802.1x authentication among components. Which two protocols should complete this task?

- A. PEAP
- B. EAP-MD5
- C. LEAP
- D. EAP-TLS
- E. EAP-TTLS

**Answer:** BD

#### NEW QUESTION 109

Which two default endpoint identity groups does Cisco ISE create? (Choose two )

- A. block list
- B. endpoint
- C. profiled
- D. allow list
- E. unknown

**Answer:** CE

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin\\_guide/b\\_ise\\_admin\\_guide\\_21/b\\_ise\\_admin\\_guide](https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin_guide/b_ise_admin_guide_21/b_ise_admin_guide)

Default Endpoint Identity Groups Created for Endpoints Cisco ISE creates the following five endpoint identity groups by default: Blacklist, GuestEndpoints, Profiled, RegisteredDevices, and Unknown. In addition, it creates two more identity groups, such as Cisco-IP-Phone and Workstation, which are associated to the Profiled (parent) identity group. A parent group is the default identity group that exists in the system.

Cisco ISE creates the following endpoint identity groups:

- Blacklist—This endpoint identity group includes endpoints that are statically assigned to this group in Cisco ISE and endpoints that are block listed in the device registration portal. An authorization profile can be defined in Cisco ISE to permit, or deny network access to endpoints in this group.
- GuestEndpoints—This endpoint identity group includes endpoints that are used by guest users.
- Profiled—This endpoint identity group includes endpoints that match endpoint profiling policies except Cisco IP phones and workstations in Cisco ISE.
- RegisteredDevices—This endpoint identity group includes endpoints, which are registered devices that are added by an employee through the devices registration portal. The profiling service continues to profile these devices normally when they are assigned to this group. Endpoints are statically assigned to this group in Cisco ISE, and the profiling service cannot reassign them to any other identity group. These devices will appear like any other endpoint in the endpoints list. You can edit, delete, and block these devices that you added through the device registration portal from the endpoints list in the Endpoints page in Cisco ISE. Devices that you have blocked in the device registration portal are assigned to the Blacklist endpoint identity group, and an authorization profile that exists in Cisco ISE redirects blocked devices to a URL, which displays “Unauthorised Network Access”, a default portal page to the blocked devices.
- Unknown—This endpoint identity group includes endpoints that do not match any profile in Cisco ISE. In addition to the above system created endpoint identity groups, Cisco ISE creates the following endpoint identity groups, which are associated to the Profiled identity group:
  - Cisco-IP-Phone—An identity group that contains all the profiled Cisco IP phones on your network.
  - Workstation—An identity group that contains all the profiled workstations on your network.

**NEW QUESTION 114**

Which two ports must be open between Cisco ISE and the client when you configure posture on Cisco ISE? (Choose two).

- A. TCP 8443
- B. TCP 8906
- C. TCP 443
- D. TCP 80
- E. TCP 8905

**Answer:** AE

**NEW QUESTION 118**

Users in an organization report issues about having to remember multiple usernames and passwords. The network administrator wants the existing Cisco ISE deployment to utilize an external identity source to alleviate this issue. Which two requirements must be met to implement this change? (Choose two.)

- A. Enable IPC access over port 80.
- B. Ensure that the NAT address is properly configured
- C. Establish access to one Global Catalog server.
- D. Provide domain administrator access to Active Directory.
- E. Configure a secure LDAP connection.

**Answer:** CD

**NEW QUESTION 123**

What is a difference between RADIUS and TACACS+?

- A. RADIUS uses connection-oriented transport, and TACACS+ uses best-effort delivery.
- B. RADIUS offers multiprotocol support, and TACACS+ supports only IP traffic.
- C. RADIUS combines authentication and authorization functions, and TACACS+ separates them.
- D. RADIUS supports command accounting, and TACACS+ does not.

**Answer:** C

**NEW QUESTION 126**

Which Cisco ISE service allows an engineer to check the compliance of endpoints before connecting to the network?

- A. personas
- B. qualys
- C. nexpose
- D. posture

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin\\_guide/b\\_ise\\_admin\\_guide\\_21/b\\_ise\\_admin\\_guide](https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin_guide/b_ise_admin_guide_21/b_ise_admin_guide) Posture is a service in Cisco Identity Services Engine (Cisco ISE) that allows you to check the state, also known as posture, of all the endpoints that are connecting to a network for compliance with corporate

security policies. This allows you to control clients to access protected areas of a network.

**NEW QUESTION 128**

An engineer is configuring ISE for network device administration and has devices that support both protocols. What are two benefits of choosing TACACS+ over RADUs for these devices? (Choose two.)

- A. TACACS+ is FIPS compliant while RADIUS is not
- B. TACACS+ is designed for network access control while RADIUS is designed for role-based access.
- C. TACACS+ uses secure EAP-TLS while RADIUS does not.
- D. TACACS+ provides the ability to authorize specific commands while RADIUS does not
- E. TACACS+ encrypts the entire payload being sent while RADIUS only encrypts the password.

**Answer: DE**

**NEW QUESTION 129**

An engineer is configuring Cisco ISE for guest services They would like to have any unregistered guests redirected to the guest portal for authentication then have a CoA provide them with full access to the network that is segmented via firewalls Why is the given configuration failing to accomplish this goal?

- A. The Guest Flow condition is not in the line that gives access to the quest portal
- B. The Network\_Access\_Authentication\_Passed condition will not work with guest services for portal access.
- C. The Permit Access result is not set to restricted access in its policy line
- D. The Guest Portal and Guest Access policy lines are in the wrong order

**Answer: D**

**NEW QUESTION 132**

Refer to the exhibit.

```
Switch(config)# aaa new-model
Switch(config)# aaa authentication dot1x default group radius
Switch(config)# aaa authorization network default group radius
```

A network engineers configuring the switch to accept downloadable ACLs from a Cisco ISC server Which two commands should be run to complete the configuration? (Choose two)

- A. aaa authorization auth-proxy default group radius
- B. radius server vsa sand authentication
- C. radius-server attribute 8 include-in-access-req
- D. ip device tracking
- E. dot1x system-auth-control

**Answer: BC**

**NEW QUESTION 135**

When configuring Active Directory groups, what does the Cisco ISE use to resolve ambiguous group names?

- A. MIB
- B. TGT
- C. OMAB
- D. SID

**Answer: D**

**NEW QUESTION 140**

An ISE administrator must change the inactivity timer for MAB endpoints to terminate the authentication session whenever a switch port that is connected to an IP phone does not detect packets from the device for 30 minutes. Which action must be taken to accomplish this task?

- A. Add the authentication timer reauthenticate server command to the switchport.
- B. Add the authentication timer inactivity 3600 command to the switchport.
- C. Change the idle-timeout on the Radius server to 3600 seconds for IP Phone endpoints.
- D. Configure the session-timeout to be 3600 seconds on Cisco ISE.

**Answer: B**

**NEW QUESTION 142**

An engineer is configuring the remote access VPN to use Cisco ISE for AAA and needs to conduct posture checks on the connecting endpoints After the endpoint connects, it receives its initial authorization result and continues onto the compliance scan What must be done for this AAA configuration to allow compliant access to the network?

- A. Configure the posture authorization so it defaults to unknown status
- B. Fix the CoA port number
- C. Ensure that authorization only mode is not enabled
- D. Enable dynamic authorization within the AAA server group

Answer: D

#### NEW QUESTION 145

Which Cisco ISE solution ensures endpoints have the latest version of antivirus updates installed before being allowed access to the corporate network?

- A. Threat Services
- B. Profiling Services
- C. Provisioning Services
- D. Posture Services

Answer: D

#### NEW QUESTION 148

Which permission is common to the Active Directory Join and Leave operations?

- A. Create a Cisco ISE machine account in the domain if the machine account does not already exist
- B. Remove the Cisco ISE machine account from the domain.
- C. Set attributes on the Cisco ISE machine account
- D. Search Active Directory to see if a Cisco ISE machine account already exists.

Answer: D

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-0/ise\\_active\\_directory\\_integration/b\\_ise\\_ad\\_integration\\_](https://www.cisco.com/c/en/us/td/docs/security/ise/2-0/ise_active_directory_integration/b_ise_ad_integration_)

#### NEW QUESTION 152

An administrator is configuring a Cisco ISE posture agent in the client provisioning policy and needs to ensure that the posture policies that interact with clients are monitored, and end users are required to comply with network usage rules Which two resources must be added in Cisco ISE to accomplish this goal? (Choose two)

- A. AnyConnect
- B. Supplicant
- C. Cisco ISE NAC
- D. PEAP
- E. Posture Agent

Answer: AE

#### Explanation:

[https://www.cisco.com/c/en/us/td/docs/security/vpn\\_client/anyconnect/anyconnect40/administration/guide/b\\_An](https://www.cisco.com/c/en/us/td/docs/security/vpn_client/anyconnect/anyconnect40/administration/guide/b_An)  
[https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin\\_guide/b\\_ise\\_admin\\_guide\\_24/m\\_configure\\_clie](https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin_guide/b_ise_admin_guide_24/m_configure_clie)

#### NEW QUESTION 154

Which two probes must be enabled for the ARP cache to function in the Cisco ISE profile service so that a user can reliably bind the IP address and MAC addresses of endpoints? (Choose two.)

- A. NetFlow
- B. SNMP
- C. HTTP
- D. DHCP
- E. RADIUS

Answer: DE

#### Explanation:

Cisco ISE implements an ARP cache in the profiling service, so that you can reliably map the IP addresses and the MAC addresses of endpoints. For the ARP cache to function, you must enable either the DHCP probe or the RADIUS probe. The DHCP and RADIUS probes carry the IP addresses and the MAC addresses of endpoints in the payload data. The dhcp-requested address attribute in the DHCP probe and the Framed-IP-address attribute in the RADIUS probe carry the IP addresses of endpoints, along with their MAC addresses, which can be mapped and stored in the ARP cache.

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin\\_guide/b\\_ise\\_admin\\_guide\\_21/b\\_ise\\_admin\\_guide](https://www.cisco.com/c/en/us/td/docs/security/ise/2-1/admin_guide/b_ise_admin_guide_21/b_ise_admin_guide)

#### NEW QUESTION 159

An administrator is configuring sponsored guest access using Cisco ISE Access must be restricted to the sponsor portal to ensure that only necessary employees can issue sponsored accounts and employees must be classified to do so What must be done to accomplish this task?

- A. Configure an identity-based access list in Cisco ISE to restrict the users allowed to login
- B. Edit the sponsor portal to only accept members from the selected groups
- C. Modify the sponsor groups assigned to reflect the desired user groups
- D. Create an authorization rule using the Guest Flow condition to authorize the administrators

Answer: C

#### NEW QUESTION 164

A laptop was stolen and a network engineer added it to the block list endpoint identity group What must be done on a new Cisco ISE deployment to redirect the laptop and restrict access?

- A. Select DenyAccess within the authorization policy.
- B. Ensure that access to port 8443 is allowed within the ACL.
- C. Ensure that access to port 8444 is allowed within the ACL.
- D. Select DROP under If Auth fail within the authentication policy.

**Answer: C**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/1-3/admin\\_guide/b\\_ise\\_admin\\_guide\\_13/b\\_ise\\_admin\\_guide](https://www.cisco.com/c/en/us/td/docs/security/ise/1-3/admin_guide/b_ise_admin_guide_13/b_ise_admin_guide)

**NEW QUESTION 166**

An engineer is enabling a newly configured wireless SSID for tablets and needs visibility into which other types of devices are connecting to it. What must be done on the Cisco WLC to provide this information to Cisco ISE9

- A. enable IP Device Tracking
- B. enable MAC filtering
- C. enable Fast Transition
- D. enable mDNS snooping

**Answer: B**

**NEW QUESTION 169**

What is a valid guest portal type?

- A. Sponsored-Guest
- B. My Devices
- C. Sponsor
- D. Captive-Guest

**Answer: A**

**NEW QUESTION 170**

An administrator must block access to BYOD endpoints that were onboarded without a certificate and have been reported as stolen in the Cisco ISE My Devices Portal. Which condition must be used when configuring an authorization policy that sets DenyAccess permission?

- A. Endpoint Identity Group is Blocklist, and the BYOD state is Registered.
- B. Endpoint Identify Group is Blocklist, and the BYOD state is Pending.
- C. Endpoint Identity Group is Blocklist, and the BYOD state is Lost.
- D. Endpoint Identity Group is Blocklist, and the BYOD state is Reinstate.

**Answer: A**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-6/admin\\_guide/b\\_ISE\\_26\\_admin\\_guide/b\\_ISE\\_admin\\_26\\_](https://www.cisco.com/c/en/us/td/docs/security/ise/2-6/admin_guide/b_ISE_26_admin_guide/b_ISE_admin_26_)

**NEW QUESTION 175**

An engineer tests Cisco ISE posture services on the network and must configure the compliance module to automatically download and install on endpoints Which action accomplishes this task for VPN users?

- A. Create a Cisco AnyConnect configuration and Client Provisioning policy within Cisco ISE.
- B. Configure the compliance module to be downloaded from within the posture policy.
- C. Push the compliance module from Cisco FTD prior to attempting posture.
- D. Use a compound posture condition to check for the compliance module and download if needed.

**Answer: A**

**NEW QUESTION 180**

There are several devices on a network that are considered critical and need to be placed into the ISE database and a policy used for them. The organization does not want to use profiling. What must be done to accomplish this goal?

- A. Enter the MAC address in the correct Endpoint Identity Group.
- B. Enter the MAC address in the correct Logical Profile.
- C. Enter the IP address in the correct Logical Profile.
- D. Enter the IP address in the correct Endpoint Identity Group.

**Answer: A**

**NEW QUESTION 182**

A company manager is hosting a conference. Conference participants must connect to an open guest SSID and only use a preassigned code that they enter into the guest portal prior to gaining access to the network. How should the manager configure Cisco ISE to accomplish this goal?

- A. Create entries in the guest identity group for all participants.
- B. Create an access code to be entered in the AUP page.
- C. Create logins for each participant to give them sponsored access.
- D. Create a registration code to be entered on the portal splash page.

Answer: B

**NEW QUESTION 186**

Which two default guest portals are available with Cisco ISE? (Choose two.)

- A. visitor
- B. WIFI-access
- C. self-registered
- D. central web authentication
- E. sponsored

Answer: CE

**NEW QUESTION 187**

An administrator made changes in Cisco ISE and needs to apply new permissions for endpoints that have already been authenticated by sending a CoA packet to the network devices. Which IOS command must be configured on the devices to accomplish this goal?

- A. aaa server radius dynamic-author
- B. authentication command bounce-port
- C. authentication command disable-port
- D. aaa nas port extended

Answer: A

**NEW QUESTION 192**

A network administrator has just added a front desk receptionist account to the Cisco ISE Guest Service sponsor group. Using the Cisco ISE Guest Sponsor Portal, which guest services can the receptionist provide?

- A. Keep track of guest user activities
- B. Configure authorization settings for guest users
- C. Create and manage guest user accounts
- D. Authenticate guest users to Cisco ISE

Answer: C

**NEW QUESTION 193**

Which type of identity store allows for creating single-use access credentials in Cisco ISE?

- A. OpenLDAP
- B. Local
- C. PKI
- D. RSA SecurID

Answer: D

**NEW QUESTION 195**

An administrator is configuring a Cisco WLC for web authentication. Which two client profiling methods are enabled by default if the 'Apply Cisco ISE Default Settings' check box has been selected? (Choose two.)

- A. CDP
- B. DHCP
- C. HTTP
- D. SNMP
- E. LLDP

Answer: AE

**NEW QUESTION 196**

A network administrator must use Cisco ISE to check whether endpoints have the correct version of antivirus installed. Which action must be taken to allow this capability?

- A. Configure a native supplicant profile to be used for checking the antivirus version
- B. Configure Cisco ISE to push the HostScan package to the endpoints to check for the antivirus version.
- C. Create a Cisco AnyConnect Network Visibility Module configuration profile to send the antivirus information of the endpoints to Cisco ISE.
- D. Create a Cisco AnyConnect configuration within Cisco ISE for the Compliance Module and associated configuration files

Answer: A

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/1-2/user\\_guide/ise\\_client\\_prov.html](https://www.cisco.com/c/en/us/td/docs/security/ise/1-2/user_guide/ise_client_prov.html) About Anyconnect Network Visibility Module  
[https://www.cisco.com/c/en/us/td/docs/security/vpn\\_client/anyconnect/anyconnect45/administration/guide/b\\_An](https://www.cisco.com/c/en/us/td/docs/security/vpn_client/anyconnect/anyconnect45/administration/guide/b_An)

**NEW QUESTION 197**

An engineer is configuring static SGT classification. Which configuration should be used when authentication is disabled and third-party switches are in use?

- A. VLAN to SGT mapping
- B. IP Address to SGT mapping
- C. L3IF to SGT mapping
- D. Subnet to SGT mapping

**Answer:** B

**Explanation:**

<https://community.cisco.com/t5/security-knowledge-base/segmentation-strategy/ta-p/3757424>: "The method of sending out IP to SGT mappings from ISE is particularly useful if the access switch does not support TrustSec"

**NEW QUESTION 199**

Drag and drop the configuration steps from the left into the sequence on the right to install two Cisco ISE nodes in a distributed deployment.

Register the secondary node.	1
Define personas for the secondary node.	2
Enable Administration and Monitoring personas on the first node.	3
Configure the first node as the primary node.	4

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application, email Description automatically generated

**NEW QUESTION 200**

If a user reports a device lost or stolen, which portal should be used to prevent the device from accessing the network while still providing information about why the device is blocked?

- A. Client Provisioning
- B. Guest
- C. BYOD
- D. Blacklist

**Answer:** D

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Borderless\\_Networks/Unified\\_Access/BYOD\\_Desi](https://www.cisco.com/c/en/us/td/docs/solutions/Enterprise/Borderless_Networks/Unified_Access/BYOD_Desi) The Blacklist identity group is system generated and maintained by ISE to prevent access to lost or stolen devices. In this design guide, two authorization profiles are used to enforce the permissions for wireless and wired devices within the Blacklist:

- > Blackhole WiFi Access
- > Blackhole Wired Access

**NEW QUESTION 202**

An organization wants to improve their BYOD processes to have Cisco ISE issue certificates to the BYOD endpoints. Currently, they have an active certificate authority and do not want to replace it with Cisco ISE. What must be configured within Cisco ISE to accomplish this goal?

- A. Create a certificate signing request and have the root certificate authority sign it.
- B. Add the root certificate authority to the trust store and enable it for authentication.
- C. Create an SCEP profile to link Cisco ISE with the root certificate authority.
- D. Add an OCSP profile and configure the root certificate authority as secondary.

**Answer:** C

**Explanation:**

Ref:<https://www.cisco.com/c/en/us/support/docs/security/identity-services-engine-software/116068-configure-pr>

**NEW QUESTION 205**

Refer to the exhibit.



An organization recently implemented network device administration using Cisco ISE. Upon testing the ability to access all of the required devices, a user in the Cisco ISE group IT Admins is attempting to login to a device in their organization's finance department but is unable to. What is the problem?

- A. The IT training rule is taking precedence over the IT Admins rule.
- B. The authorization conditions wrongly allow IT Admins group no access to finance devices.
- C. The finance location is not a condition in the policy set.
- D. The authorization policy doesn't correctly grant them access to the finance devices.

**Answer: D**

**NEW QUESTION 208**

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

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

**Answer: A**

**NEW QUESTION 210**

Which two actions must be verified to confirm that the internet is accessible via guest access when configuring a guest portal? (Choose two.)

- A. The guest device successfully associates with the correct SSID.
- B. The guest user gets redirected to the authentication page when opening a browser.
- C. The guest device has internal network access on the WLAN.
- D. The guest device can connect to network file shares.
- E. Cisco ISE sends a CoA upon successful guest authentication.

**Answer: BE**

**NEW QUESTION 212**

Which interface-level command is needed to turn on 802.1X authentication?

- A. Dot1x pae authenticator
- B. dot1x system-auth-control
- C. authentication host-mode single-host
- D. aaa server radius dynamic-author

**Answer: A**

**NEW QUESTION 215**

A network engineer is configuring Cisco TrustSec and needs to ensure that the Security Group Tag is being transmitted between two devices Where in the Layer 2 frame should this be verified?

- A. CMD field
- B. 802.1Q field
- C. Payload
- D. 802.1 AE header

**Answer: A**

**Explanation:**

[https://www.cisco.com/c/dam/global/en\\_ca/assets/ciscoconnect/2014/pdfs/policy\\_defined\\_segmentation\\_with\\_tr](https://www.cisco.com/c/dam/global/en_ca/assets/ciscoconnect/2014/pdfs/policy_defined_segmentation_with_tr) (slide 25)

**NEW QUESTION 217**

An organization is migrating its current guest network to Cisco ISE and has 1000 guest users in the current database There are no resources to enter this information into the Cisco ISE database manually. What must be done to accomplish this task efficiently?

- A. Use a CSV file to import the guest accounts
- B. Use SQL to link me existing database to Ctsco ISE
- C. Use a JSON fie to automate the migration of guest accounts
- D. Use an XML file to change the existing format to match that of Cisco ISE

**Answer:** A

#### **NEW QUESTION 222**

An engineer is configuring 802.1X and is testing out their policy sets. After authentication, some endpoints are given an access-reject message but are still allowed onto the network. What is causing this issue to occur?

- A. The switch port is configured with authentication event server dead action authorize vlan.
- B. The authorization results for the endpoints include a dACL allowing access.
- C. The authorization results for the endpoints include the Trusted security group tag.
- D. The switch port is configured with authentication open.

**Answer:** D

#### **NEW QUESTION 227**

Refer to the exhibit. An engineer is creating a new TACACS\* command set and cannot use any show commands after toggling into the device with this command set authorization Which configuration is causing this issue?

- A. Question marks are not allowed as wildcards for command sets.
- B. The command set is allowing all commands that are not in the command list
- C. The wildcard command listed is in the wrong format
- D. The command set is working like an ACL and denying every command.

**Answer:** A

#### **NEW QUESTION 228**

Which profiling probe collects the user-agent string?

- A. DHCP
- B. AD
- C. HTTP
- D. NMAP

**Answer:** C

#### **NEW QUESTION 233**

What are two differences between the RADIUS and TACACS+ protocols'? (Choose two.)

- A. RADIUS is a Cisco proprietary protocol, whereas TACACS+ is an open standard protocol
- B. TACACS+uses TCP port 49. whereas RADIUS uses UDP ports 1812 and 1813.
- C. RADIUS offers multiprotocol support, whereas TACACS+ does not
- D. RADIUS combines authentication and authorization, whereas TACACS+ does not
- E. RADIUS enables encryption of all the packets, whereas with TACACS+. only the password is encrypted.

**Answer:** BD

#### **NEW QUESTION 235**

Which two authentication protocols are supported by RADIUS but not by TACACS+? (Choose two.)

- A. MSCHAPv1
- B. PAP
- C. EAP
- D. CHAP
- E. MSCHAPV2

**Answer:** CE

#### **NEW QUESTION 240**

What are two requirements of generating a single signing in Cisco ISE by using a certificate provisioning portal, without generating a certificate request? (Choose two )

- A. Location the CSV file for the device MAC
- B. Select the certificate template
- C. Choose the hashing method
- D. Enter the common name
- E. Enter the IP address of the device

**Answer:** BD

#### **Explanation:**

<https://www.cisco.com/c/en/us/support/docs/security/identity-services-engine/200534-ISE-2-0-Certificate-Provi>

#### NEW QUESTION 241

An administrator is configuring posture assessment in Cisco ISE for the first time. Which two components must be uploaded to Cisco ISE to use Anyconnect for the agent configuration in a client provisioning policy? (Choose two.)

- A. Anyconnect network visibility module
- B. Anyconnect compliance module
- C. AnyConnectProfile.xml file
- D. AnyConnectProfile.xsd file
- E. Anyconnect agent image

**Answer:** BD

#### NEW QUESTION 246

An administrator is attempting to replace the built-in self-signed certificates on a Cisco ISE appliance. The CA is requesting some information about the appliance in order to sign the new certificate. What must be done in order to provide the CA this information?

- A. Install the Root CA and intermediate CA.
- B. Generate the CSR.
- C. Download the intermediate server certificate.
- D. Download the CA server certificate.

**Answer:** B

#### NEW QUESTION 251

Which three default endpoint identity groups does cisco ISE create? (Choose three)

- A. Unknown
- B. whitelist
- C. end point
- D. profiled
- E. blacklist

**Answer:** ADE

#### Explanation:

Default Endpoint Identity Groups Created for Endpoints

Cisco ISE creates the following five endpoint identity groups by default: Blacklist, GuestEndpoints, Profiled, RegisteredDevices, and Unknown. In addition, it creates two more identity groups, such as Cisco-IP-Phone and Workstation, which are associated to the Profiled (parent) identity group. A parent group is the default identity group that exists in the system.

[https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin\\_guide/b\\_ise\\_admin\\_guide\\_24/b\\_ise\\_admin\\_guide](https://www.cisco.com/c/en/us/td/docs/security/ise/2-4/admin_guide/b_ise_admin_guide_24/b_ise_admin_guide)

#### NEW QUESTION 253

What is a function of client provisioning?

- A. It ensures an application process is running on the endpoint.
- B. It checks a dictionary' attribute with a value.
- C. It ensures that endpoints receive the appropriate posture agents
- D. It checks the existence date and versions of the file on a client.

**Answer:** C

#### NEW QUESTION 255

During BYOD flow, from where does a Microsoft Windows PC download the Network Setup Assistant?

- A. Cisco App Store
- B. Microsoft App Store
- C. Cisco ISE directly
- D. Native OTA functionality

**Answer:** C

#### NEW QUESTION 256

A network engineer is configuring guest access and notices that when a guest user registers a second device for access, the first device loses access What must be done to ensure that both devices for a particular user are able to access the guest network simultaneously?

- A. Configure the sponsor group to increase the number of logins.
- B. Use a custom portal to increase the number of logins
- C. Modify the guest type to increase the number of maximum devices
- D. Create an Adaptive Network Control policy to increase the number of devices

**Answer:** C

#### Explanation:

[https://content.cisco.com/chapter.sjs?uri=/searchable/chapter/content/en/us/td/docs/security/ise/2-7/admin\\_guide](https://content.cisco.com/chapter.sjs?uri=/searchable/chapter/content/en/us/td/docs/security/ise/2-7/admin_guide)

#### NEW QUESTION 259

Which are two characteristics of TACACS+? (Choose two)

- A. It uses TCP port 49.
- B. It combines authorization and authentication functions.
- C. It separates authorization and authentication functions.
- D. It encrypts the password only.
- E. It uses UDP port 49.

**Answer:** AC

**NEW QUESTION 261**

What is the purpose of the ip http server command on a switch?

- A. It enables the https server for users for web authentication
- B. It enables MAB authentication on the switch
- C. It enables the switch to redirect users for web authentication.
- D. It enables dot1x authentication on the switch.

**Answer:** C

**NEW QUESTION 265**

What is the maximum number of PSN nodes supported in a medium-sized deployment?

- A. three
- B. five
- C. two
- D. eight

**Answer:** B

**NEW QUESTION 267**

An engineer wants to learn more about Cisco ISE and deployed a new lab with two nodes. Which two persona configurations allow the engineer to successfully test redundancy of a failed node? (Choose two.)

- A. Configure one of the Cisco ISE nodes as the Health Check node.
- B. Configure both nodes with the PAN and MnT personas only.
- C. Configure one of the Cisco ISE nodes as the primary PAN and MnT personas and the other as the secondary.
- D. Configure both nodes with the PAN, MnT, and PSN personas.
- E. Configure one of the Cisco ISE nodes as the primary PAN and PSN personas and the other as the secondary.

**Answer:** CE

**NEW QUESTION 268**

An engineer has been tasked with standing up a new guest portal for customers that are waiting in the lobby. There is a requirement to allow guests to use their social media logins to access the guest network to appeal to more customers What must be done to accomplish this task?

- A. Create a sponsor portal to allow guests to create accounts using their social media logins.
- B. Create a sponsored guest portal and enable social media in the external identity sources.
- C. Create a self-registered guest portal and enable the feature for social media logins
- D. Create a hotspot portal and enable social media login for network access

**Answer:** C

**NEW QUESTION 273**

Drag and drop the description from the left onto the protocol on the right that is used to carry out system authentication, authentication, and accounting.

combines authentication and authorization	TACACS+
encrypts the entire payload	
encrypts only the password field	
separates authentication and authorization	RADIUS
primary use is device administration	
primary use is network access	

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, chart, application Description automatically generated  
<https://www.mbne.net/tech-notes/aaa-tacacs-radius>

**NEW QUESTION 277**

An organization wants to implement 802.1X and is debating whether to use PEAP-MSCHAPv2 or PEAP-EAP-TLS for authentication. Drag the characteristics on the left to the corresponding protocol on the right.

uses username and password for authentication	PEAP-MSCHAPv2
uses certificates for authentication	
changes credentials through the admin portal	
supports fragmentation after the tunnel is established	PEAP-EAP-TLS
uses the X.509 format	
supports auto-enrollment for obtaining credentials	

A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

	PEAP-MSCHAPv2
	PEAP-EAP-TLS

**NEW QUESTION 280**

What is an advantage of using EAP-TLS over EAP-MS-CHAPv2 for client authentication?

- A. EAP-TLS uses a username and password for authentication to enhance security, while EAP-MS-CHAPv2 does not.
- B. EAP-TLS secures the exchange of credentials, while EAP-MS-CHAPv2 does not.
- C. EAP-TLS uses a device certificate for authentication to enhance security, while EAP-MS-CHAPv2 does not.
- D. EAP-TLS uses multiple forms of authentication, while EAP-MS-CHAPv2 only uses one.

**Answer:** C

**NEW QUESTION 281**

An engineer is tasked with placing a guest access anchor controller in the DMZ. Which two ports or port sets must be opened up on the firewall to accomplish this task? (Choose two.)

- A. UDP port 1812 RADIUS

- B. TCP port 161
- C. TCP port 514
- D. UDP port 79
- E. UDP port 16666

**Answer:** BC

**NEW QUESTION 285**

Refer to the exhibit.

Interface	MAC Address	Method	Domain	Status	Fg	Session ID
Gi1/0/6	0024.142d.e47f	mab	UNKNOWN	Auth		C0A829020000000C2BBAF5D3
Gi1/0/1	0050.5698.0720	dot1x	UNKNOWN	Unauth		C0A82902000000152BCD0BE7

An engineer is configuring a client but cannot authenticate to Cisco ISE During troubleshooting, the show authentication sessions command was issued to display the authentication status of each port Which command gives additional information to help identify the problem with the authentication?

- A. show authentication sessions
- B. show authentication sessions Interface Gi1/0/1 output
- C. show authentication sessions interface Gi1/0/1 details
- D. show authentication sessions output

**Answer:** C

**NEW QUESTION 290**

Which two roles are taken on by the administration person within a Cisco ISE distributed environment? (Choose two.)

- A. backup
- B. secondary
- C. standby
- D. primary
- E. active

**Answer:** BD

**NEW QUESTION 294**

Drag the descriptions on the left onto the components of 802.1X on the right.

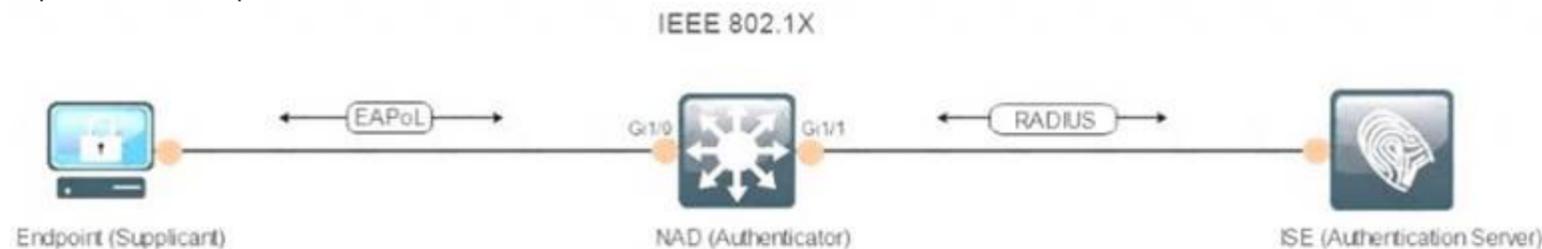
software on the endpoint that communicates with EAP at layer 2	authenticator
device that controls physical access to the network based on the endpoint authentication status	supplicant
device that validates the identity of the endpoint and provides results to another device	authentication server

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

<https://netlabz.wordpress.com/2016/09/24/cisco-ise-fundamentals/>



**NEW QUESTION 296**

An organization has a fully distributed Cisco ISE deployment When implementing probes, an administrator must scan for unknown endpoints to learn the IP-to-MAC address bindings. The scan is complete on one FPSN. but the information is not available on the others. What must be done to make the information available?

- A. Scanning must be initiated from the PSN that last authenticated the endpoint
- B. Cisco ISE must learn the IP-MAC binding of unknown endpoints via DHCP profiling, not via scanning
- C. Scanning must be initiated from the MnT node to centrally gather the information
- D. Cisco ISE must be configured to learn the IP-MAC binding of unknown endpoints via RADIUS authentication, not via scanning

**Answer:** B

**NEW QUESTION 299**

An engineer is unable to use SSH to connect to a switch after adding the required CLI commands to the device to enable TACACS+. The device administration license has been added to Cisco ISE, and the required policies have been created. Which action is needed to enable access to the switch?

- A. The ip ssh source-interface command needs to be set on the switch
- B. 802.1X authentication needs to be configured on the switch.
- C. The RSA keypair used for SSH must be regenerated after enabling TACACS+.
- D. The switch needs to be added as a network device in Cisco ISE and set to use TACACS+.

**Answer:** D

**NEW QUESTION 304**

What is a difference between TACACS+ and RADIUS in regards to encryption?

- A. TACACS+ encrypts only the password, whereas RADIUS encrypts the username and password.
- B. TACACS+ encrypts the username and password, whereas RADIUS encrypts only the password.
- C. TACACS+ encrypts the password, whereas RADIUS sends the entire packet in clear text.
- D. TACACS+ encrypts the entire packet, whereas RADIUS encrypts only the password.

**Answer:** D

**NEW QUESTION 306**

A network administrator is setting up wireless guest access and has been unsuccessful in testing client access. The endpoint is able to connect to the SSID but is unable to grant access to the guest network through the guest portal. What must be done to identify the problem?

- A. Use context visibility to verify posture status.
- B. Use the endpoint ID to execute a session trace.
- C. Use the identity group to validate the authorization rules.
- D. Use traceroute to ensure connectivity.

**Answer:** B

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/security/ise/1-3/admin\\_guide/b\\_ise\\_admin\\_guide\\_13/b\\_ise\\_admin\\_guide](https://www.cisco.com/c/en/us/td/docs/security/ise/1-3/admin_guide/b_ise_admin_guide_13/b_ise_admin_guide)

**NEW QUESTION 309**

An administrator is migrating device administration access to Cisco ISE from the legacy TACACS+ solution that used only privilege 1 and 15 access levels. The organization requires more granular controls of the privileges and wants to customize access levels 2-5 to correspond with different roles and access needs. Besides defining a new shell profile in Cisco ISE. what must be done to accomplish this configuration?

- A. Enable the privilege levels in Cisco ISE
- B. Enable the privilege levels in the IOS devices.
- C. Define the command privileges for levels 2-5 in the IOS devices
- D. Define the command privileges for levels 2-5 in Cisco ISE

**Answer:** B

**Explanation:**

<https://learningnetwork.cisco.com/s/blogs/a0D3i000002eeWTEAY/cisco-ios-privilege-levels>

**NEW QUESTION 312**

What is a method for transporting security group tags throughout the network?

- A. by enabling 802.1AE on every network device
- B. by the Security Group Tag Exchange Protocol
- C. by embedding the security group tag in the IP header
- D. by embedding the security group tag in the 802.1Q header

**Answer:** B

**NEW QUESTION 314**

Refer to the exhibit

```
interface GigabitEthernet1/0/1
 authentication host-mode multi-auth
 authentication post-control auto
 mab
 dot1x pae authenticator
```

Which switch configuration change will allow only one voice and one data endpoint on each port?

- A. Multi-auth to multi-domain
- B. Mab to dot1x
- C. Auto to manual
- D. Multi-auth to single-auth

**Answer:** A

**Explanation:**

<https://community.cisco.com/t5/network-access-control/cisco-ise-multi-auth-or-multi-host/m-p/3750907>

**NEW QUESTION 318**

An engineer is configuring posture assessment for their network access control and needs to use an agent that supports using service conditions as conditions for the assessment. The agent should be run as a background process to avoid user interruption but when it is run, the user can see it. What is the problem?

- A. The engineer is using the "Anyconnect" posture agent but should be using the "Stealth Anyconnect posture agent
- B. The posture module was deployed using the headend instead of installing it with SCCM
- C. The user was in need of remediation so the agent appeared in the notifications
- D. The proper permissions were not given to the temporal agent to conduct the assessment

**Answer:** A

**NEW QUESTION 323**

What are the minimum requirements for deploying the Automatic Failover feature on Administration nodes in a distributed Cisco ISE deployment?

- A. a primary and secondary PAN and a health check node for the Secondary PAN
- B. a primary and secondary PAN and no health check nodes
- C. a primary and secondary PAN and a pair of health check nodes
- D. a primary and secondary PAN and a health check node for the Primary PAN

**Answer:** D

**NEW QUESTION 327**

An employee must access the internet through the corporate network from a new mobile device that does not support native supplicant provisioning provided by Cisco ISE. Which portal must the employee use to provision to the device?

- A. BYOD
- B. Personal Device
- C. My Devices
- D. Client Provisioning

**Answer:** C

**NEW QUESTION 329**

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