Exam Questions 300-375

WISECURE Securing Cisco Wireless Enterprise Networks
NEW QUESTION 1
Refer to the exhibit.

What is the 1.1.1.1 IP address?
A. the wireless client IP address
B. the RADIUS server IP address
C. the controller management IP address
D. the lightweight IP address
E. the controller AP-manager IP address
F. the controller virtual interface IP address

Answer: F

NEW QUESTION 2
An engineer is configuring client MFP. What WLAN Layer 2 security must be selected to use client MFP?
A. Static WEP
B. CKIP
C. WPA+WPA2
D. 802.1x

Answer: C

NEW QUESTION 3
A customer has deployed PEAP authentication with a Novell eDirectory LDAP Server. Which authentication method must be configured on the client to support this deployment?
A. PEAP(EAP-MSCHAPv2)
B. PEAP(EAP-TTLS)
C. PEAP(EAP-GTC)
D. PEAP(EAP-WPA)

Answer: C

NEW QUESTION 4
Refer to the exhibit.

WLANs > Edit ‘Cisco’

---

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A customer is having problems with clients associating to their wireless network. Based on the configuration, which option describes the most likely cause of the issue?

A. Both AES and TKIP must be enabled  
B. SA Query Timeout is set too low  
C. Comeback timer is set too low  
D. PME is set to "required"  
E. MAC Filtering must be enabled

Answer: E

**NEW QUESTION 5**

When using the Standalone Profile Editor in the Cisco AnyConnect v3.0 to create a new NAM profile, which two statements describe the profile becoming active? (Choose two.)

A. Selects the new profile from NAM  
B. Selects "Network Repair" from NAM  
C. Becomes active after a save of the profile name  
D. Ensures use of "configuration.xml" as the profile name  
E. Ensures use of "config.xml" as the profile name

Answer: BD

**NEW QUESTION 6**

Clients are failing EAP authentication. A debug shows that an EAPOL start is sent and the clients are then de-authenticated. Which two issues can cause this problem? (Choose two.)

A. The WLC certificate has changed.  
B. The WLAN is not configured for the correct EAP supplicant type.  
C. The shared secret of the WLC and RADIUS server do not match.  
D. The WLC has not been added to the RADIUS server as a client.  
E. The clients are configured for machine authentication, but the RADIUS server is configured for user authentication.

Answer: CD

**NEW QUESTION 7**

Which three WLAN policies can be controlled by using the Cisco IBNS on the Cisco WLC and Cisco Secure ACS? (Choose three.)

A. QoS setting  
B. VLAN  
C. EAP type  
D. ACL  
E. Authentication priority order  
F. NAC state

Answer: ABD

**NEW QUESTION 8**

What two actions must be taken by an engineer configuring wireless Identity-Based Networking for a WLAN to enable VLAN tagging? (Choose two.)

A. Enable AAA override on the WLAN  
B. Create and apply the appropriate ACL to the WLAN  
C. Update the RADIUS server attributes for tunnel type 64, medium type 65, and tunnel private group type 81  
D. Configure RADIUS server with WLAN subnet and VLAN ID  
E. Enable VLAN Select on the wireless LAN controller and the WLAN

Answer: AC

**NEW QUESTION 9**

Which three authentication methods correctly describe digital certificate requirements when using EAP-TLS authentication? (Choose three)

A. The client does not need the corresponding private key.  
B. The EAP-TLS is sent in cleartext when the root certificate is not installed.  
C. The certificate has to be X.509 Version 3.  
D. EAP-TLS requires a root certificate but not a user certificate.  
E. The certificate must be installed when the requested user is logged in to the machine.  
F. The subject name in the certificate must correspond to the user account name

Answer: CDE

**Explanation:**


The certificate has to be X.509 Version 3  
EAP-TLS Machine Authentication requires both Active Directory and an Enterprise root C

A. In order to acquire a certificate for EAP-TLS machine authentication,  
For a client (using Windows XP Professional, for example) to authenticate using EAP-TLS, the client must obtain a personal client certificate. This certificate must
NEW QUESTION 10
An engineer is configuring central web authentication using a Cisco 5508 wireless controller and the Cisco Identity Service Engine. Which two attributes must be configured on Cisco ISE as a network device? (Choose two.)

A. authentication protocol
B. RADIUS shared secret
C. out-of-band SGA PAC
D. controller IP address
E. controller software version

Answer: DE

NEW QUESTION 11
A company is deploying wireless PCs on forklifts within its new 10,000-square-foot (3048-squaremeter) facility. The clients are configured for PEAP-MS-CHAPv2 with WPA TKIP. Users report that applications frequently drop when the clients roam between access points on the floor. A professional site survey was completed. Which configuration change is recommended to improve the speed of client roaming?

A. EAP-FAST
B. EAP-TLS
C. WPA AES
D. WPA2 AES

Answer: D

Explanation:
Although the controller and APs support WLAN with SSID using WiFi Protected Access (WPA) and WPA2 simultaneously, it is common that some wireless client drivers cannot handle complex SSID settings. Whenever possible, Cisco recommends WPA2 only with Advanced Encryption Standard (AES). However, due to standards and mandatory WiFi Alliance certification process, TKIP support is required across future software versions. Keep the security policies simple for any SSID. Use a separate WLAN/SSID with WPA and Temporal Key Integrity Protocol (TKIP), and a separate one with WPA2 and Advanced Encryption Standard (AES). Since TKIP is being deprecated, Cisco recommends to use TKIP together with WEP, or to migrate out of TKIP completely and use PEAP, if possible.

NEW QUESTION 12
When a network engineer plans to implement the client MFP, which three settings should be supported by the client? (Choose three)

A. WPA2 with AES
B. Short Preamble check box
C. WPA2 with TKIP
D. WEP
E. WPA with TKIP
F. Cisco Compatible Extensions v5

Answer: ACF

NEW QUESTION 13
Which two statements describe the requirements for EAP-TLS?

A. It requires client-side and server-side certificates.
B. It uses PAC on the client.
C. It requires PKI.
D. It requires a server side digital certificate on only the RADIUS server
E. It must use AES for encryption and cannot use TKIP for encryption

Answer: AB

NEW QUESTION 14
An engineer has configured the wireless controller to authenticate clients on the employee SSID against Microsoft Active Directory using PEAP authentication. Which protocol does the controller use to communicate with the authentication server?

A. EAP
B. 802.1x
C. RADIUS
D. WPA2

Answer: A

Explanation:
Define the Layer 2 Authentication as WPA2 so that the clients perform EAP-based authentication (PEAP-MS-CHAP v2 in this example) and use the advanced encryption standard (AES) as the encryption mechanism. Leave all other values at their defaults. https://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/115988-nps-wlc-config-000.html
An engineer is designing a high availability wireless network. What mechanism should be the focus for high availability?

A. SNR  
B. channel reuse  
C. RSSI  
D. cell overlap  

Answer: B  

Explanation:  
Describe basic RF deployment considerations related to site survey design of data or VoWLAN applications, common RF interference sources such as devices, building material, AP location, and basic RF site survey design related to channel reuse, signal strength, and cell overlap.

NEW QUESTION 16  
A wireless engineer wants to view how many wiPS alerts have been detected in Cisco Prime. Which tab does the engineer select in the wireless dashboard?

A. Security  
B. Cleanair  
C. Context Aware  
D. Mesh  

Answer: A  

NEW QUESTION 17  
Scenario  
Local Web Auth has been configured on the East-WLC-2504A, but it is not working. Determine which actions must be taken to restore the Local Web Auth service.  
The Local Web Auth service must operate only with the Contractors WLAN.  
Contractors WLAN ID – 10  
Employees WLAN ID - 2  
Note, not all menu items, text boxes, or radio buttons are active.

Virtual Terminal  

Management Console  

Network address: 192.168.1.0/24  
Gateway IP address: 192.168.1.1  
DHCP Server IP address: 192.168.1.1  
WLAN ID: 10  
SSID: Contractors  
Username: Bill Smith
Controller Summary
Management IP Address: 192.168.1.99, ::/128
Software Version: 0.0.110.0
Field Recovery Image Version: 7.6.101.1
System Name: WLC1-2504A
Up Time: 0 days, 5 hours, 14 minutes
Redundancy Mode: N/A
Internal Temperature: +27°C
802.11a Network State: Enabled
802.11b/g Network State: Enabled
Local Mobility Group: testlab
CPU(s) Usage: 0%
Individual CPU Usage: 0%/1%/0%/2%
Memory Usage: 50%

Access Point Summary
- 802.11a/n/ac Radios: 1 Up, 1 Down
- 802.11b/g/n Radios: 1 Up, 1 Down
- Dual-Band Radios: 0 Up, 0 Down
- All APs: 1 Up, 1 Down

Client Summary
- Current Clients: 0
- Excluded Clients: 0
- Disabled Clients: 0

<table>
<thead>
<tr>
<th>WLAN ID</th>
<th>Type</th>
<th>Profile Name</th>
<th>WLAN SSID</th>
<th>Admin Status</th>
<th>Security Policies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WLAN</td>
<td>TestWLAN</td>
<td>TestWLAN</td>
<td>Enabled</td>
<td>[WPA2][Auth(802.1X)]</td>
</tr>
<tr>
<td>2</td>
<td>WLAN</td>
<td>Contractors</td>
<td>Contractors</td>
<td>Enabled</td>
<td>[WPA2][Auth(802.1X)]</td>
</tr>
<tr>
<td>8</td>
<td>WLAN</td>
<td>Marketing</td>
<td>Marketing</td>
<td>Enabled</td>
<td>[WPA2][Auth(802.1X)]</td>
</tr>
<tr>
<td>9</td>
<td>WLAN</td>
<td>Engineering</td>
<td>Engineering</td>
<td>Enabled</td>
<td>[WPA2][Auth(802.1X)]</td>
</tr>
<tr>
<td>10</td>
<td>WLAN</td>
<td>Employees</td>
<td>Employees</td>
<td>Enabled</td>
<td>[WPA2][Auth(802.1X)]</td>
</tr>
</tbody>
</table>
General

Name | East-WLC-2504A
---|---
802.3x Flow Control Mode | Disabled
LAG Mode on next reboot | Disabled
Broadcast Forwarding | Disabled
AP Multicast Mode | Multicast
AP IPv6 Multicast Mode | Disabled
AP Fallback | IPv4
CAPWAP Preferred Mode | Disabled
Fast SSID change | Disabled
Link Local Bridging | Enabled
Default Mobility Domain Name | testlab
RF Group Name | Contractors
User Idle Timeout (seconds) | 300
ARP Timeout (seconds) | 300

(LAG Mode is currently disabled)

237.1.1.1 Multicast Group Address
:: IPv6 Multicast Group Address

Which four changes must be made to configuration parameters to restore the Local Web Auth feature on the East-WLC-2504A? Assume the passwords are correctly entered as “ciscotest”. (Choose four.)

A. Remove the existing Local Net User Bill Smith and add a New Local Net User “Bill Smith” password “ciscotest”, WLAN Profile “Contractors”.
B. Remove WLAN 10 and WLAN 2, replace WLAN 10 with Profile Name Employees and SSID Contractors; replace WLAN 2 with Profile Name Employees and SSID Employees.
C. Remove WLAN 10 and WLAN 2, replace WLAN 10 with Profile Name Contractors and SSID Contractors, replace WLAN 2 with Profile Name Employees and SSID Employees.
D. Change the Layer 2 security to None on the Contractors WLAN.
E. Under Layer 3 Security, change the Layer 3 Security to Web Policy on the Contractors WLAN.
G. Change the Layer 2 Security to None + EAP Pass-through on the Contractors WLAN.
H. Under WLANs > Edit “Contractors ” change the interface/Interface group to “east-wing”.

Answer: CEFG

NEW QUESTION 18

A new MSE with wIPS service has been installed and no alarm information appears to be reaching the MSE from controllers.

What protocol must be allowed to reach the MSE from the controllers?

A. NMSP
B. SOAP/XML
C. SNMP
D. CAPWAP

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NEW QUESTION 19
An engineer with ID 338860948 is implementing Cisco Identity-Based Networking on a Cisco AireOS controller. The engineer has two ACLs on the controller. The first ACL, named BASE_ACL, is applied to the corporate_clients interface on the WLC, which is used for all corporate clients. The second ACL, named HR_ACL, is referenced by ISE in the Human Resources group policy.
Which option is the resulting ACL when a Human Resources user connects?

A. HR_ACL only
B. HR_ACL appended with BASE_ACL
C. BASE_ACL appended with HR_ACL
D. BASE_ACL only

Answer: A

NEW QUESTION 20
Refer to the exhibit.

```
(Cisco Controller) >show radius summary
Authentication Servers
Idx Type Server Address Port State Tout MgmtTout RPC3576
--- ----- ----------------- ------- ------ ----------- -----------
1 N 10.10.2.3 1812 Enabled 2 2 Enabled
2 N 10.10.2.4 1812 Enabled 2 2 Enabled

Accounting Servers
Idx Type Server Address Port State Tout MgmtTout RPC3576
--- ----- ----------------- ------- ------ ----------- -----------
1 N 10.10.2.3 1813 Enabled 2 2 N/A
2 N 10.10.2.4 1813 Enabled 2 2 N/A
```

An engineer utilizing ISE as the wireless AAA service noticed that the accounting process on the server at 10.10.2.3 has failed, but authentication process is still functional.
Which ISE nodes receive WLC RADIUS traffic, using the CLI output and assuming the WLAN uses the servers in their indexed order?

A. authentication to 10.10.2.4, accounting to 10.10.2.3.
B. authentication to 10.10.2.3, accounting to 10.10.2.3.
C. authentication to 10.10.2.4, accounting to 10.10.2.4.
D. authentication to 10.10.2.3, accounting to 10.10.2.4.

Answer: B
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