

350-050 CCIE

Cisco CCIE Wireless Beta Written Exam

Practice Exam: 350-050 Exams

Exam Number/Code: 350-050

Exam Name: CCIE Wireless Beta Written Exam

Questions and Answers: 240 Q&As

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1. Which statement is true about the procedure for a lightweight AP to successfully establish a connection to a controller?

- A. AP sends its certificate to the RADIUS server. AP then authenticates the controller certificate as valid.
- B. AP sends its certificate to the controller. AP then authenticates the received Cisco WLC certificate as valid.
- C. AP sends its certificate to the RADIUS server. AP then authenticates the RADIUS certificate as valid.
- D. AP authenticates the received Cisco WLC certificate as valid. AP then sends its certificate to the controller.

Answer: B

2. You work as a network administrator for Company A. This company has a network with multiple controllers and wants to have the most cost-effective controller redundancy. In order to accomplish this, which option will you recommend?

- A. 1+1
- B. N+1
- C. N+N
- D. N+N+1

Answer: B

3. Key Encryption Key is used for the group key handshake to send to the Group Transient Key, so it can be delivered securely to the client.

- A. True
- B. False

Answer: A

4. You have been called to a customer's site to troubleshoot an EAP-FAST deployment by use of a Cisco 7921G wireless IP phone within the Cisco Unified Wireless Network. After examining the logs, you discover the following error:

```
[SECURITY] 1x_auth_pae.c 2417: Reached Max EAP-Identity Request retries (#) for STA ###.###.###.###.###.###
```

Which command is the best solution to this problem?

- A. config advanced eap identity-request-timeout 0
- B. config advanced eap request-retries 20
- C. config advanced eap identity-request-timeout 20
- D. config advanced eap request-retries 0

Answer: B

5. The Wi-Fi Alliance develops testing and certification programs to help ensure the best user experience with Wi-Fi technology. Which three options are correct? (Choose three.)

- A. WPA2 includes interoperability tests of WEP, TKIP, and AES-CCMP functionality
- B. WPA2-Enterprise uses 802.1X and does not include EAP interoperability tests
- C. WPA2-Personal uses pre-shared keys
- D. WPA2-Enterprise uses 802.1X and includes EAP interoperability tests

Answer: ACD

6. Which components are required to generate a visual diagram such as the exhibit below?

- A. Cisco WCS with a location license and a controller
- B. Cisco WCS with base license, Cisco 2700 Series Wireless Location Appliance, and a controller
- C. Cisco 2700 Series Wireless Location Appliance and a controller
- D. Cisco WCS with a location license, Cisco 2700 Series Wireless Location Appliance, and a controller

Answer: D

7. You are running the initial configuration of a particular AP in a Cisco WLC on menu Wireless > Access Points > 802.11B/G Radio. The Cisco WLC has three SSIDs: A, B, and C. How to use the WLAN override option on this Cisco WLC?

- A. If the AP is part of a group of APs, WLAN override will allow you to configure a particular interface associated with the SSID.
- B. If WLAN override is selected for SSID A, only SSID A will send beacons. The other SSIDs, B and C, will respond to probes and allow associations, but there will be no beacons.
- C. If WLAN override is selected for SSID A, SSID A will be operational on that AP but the other SSIDs will not be.
- D. If all three SSIDs are configured but disabled globally, by choosing 'WLAN override' for SSID A, you can make SSID A operational on this AP, as well as any other AP where WLAN override for SSID A has been chosen.

Answer: C

8. IEEE 802.11h-2003, or just 802.11h, refers to the amendment added to the IEEE 802.11 standard for Spectrum and Transmit Power Management Extensions. IEEE 802.11h was originally defined to provide spectrum management for Europe in the 5-GHz band. Which three uses does IEEE 802.11h now support? (Choose three.)

- A. TPC for the protection of radars from interference
- B. TPC for the protection of satellites from interference
- C. Mechanisms to reduce power consumption
- D. DFS for the protection of radars from interference

Answer: BCD

9. When using the enterprise-based authentication method for WPA2, a bidirectional handshake exchange occurs between the client and the authenticator. Which five options will be the results of that exchange by use of controller based network? (Choose five.)

- A. proof that each side is alive
- B. creation of the Pairwise Transient Key
- C. distribution of the Group Transient Key
- D. binding of a Pairwise Master Key at the client and the controller
- E. distribution of the Pairwise Master key for caching at the access point
- F. a bidirectional exchange of a nonce used for key generation

Answer: ABCDF

10. Which two options are correct according to debug output presented in the following exhibit ? (Choose two.)

- A. The wireless client uses a static IP address, so "0.0.0.0 START (0)" can be found in the logs.
- B. The wireless client has been successfully authenticated. Reauthentication is set to occur on an extremely aggressive schedule (every five seconds).
- C. The wireless client "hangs" in probes (does not proceed with 802.11 authentication and association). It is likely that the "encryption" or "key-management" advertised in the probe response does not match.
- D. Since the AP receives a probe request from the wireless client, the Access Point Functions state for the machine changes from "Idle" to "Probe."

Answer: CD

11. How to apply WMM access categories in an autonomous AP?

- A. The autonomous AP automatically converts the DSCP values of the incoming packets based on a conversion table in the AP.
- B. Policy maps are used on the autonomous AP to apply CoS values to frames coming into the AP, based on the

ACLs associated with the policy MAP. If no policy maps are applied, the AP will use the incoming frame's CoS to map the frame to the appropriate WMM access category.

C. AP policy maps allow the DSCP to be set for packets to and from the autonomous AP. These DSCP values are translated to CoS values by the upstream switch.

D. Autonomous APs do not support WMM access categories.

Answer: B

12. One of your Cisco WLCs is on a segment separated from all other devices on the network by a firewall. You see the following error message on the Cisco WLC when the AP is trying to join:

Thu Feb 3 03:20:47 2028: 00:0B:85:68:F4:F0 is trying to join: LWAPP Join-Request does not include valid certificate in CERTIFICATE_PAYLOAD from AP 00:0b:85:68:f4:f0.

Thu Feb 3 03:20:47 2028: Unable to free public key for AP 00:0B:85:68:F4:F0.

What causes this error?

A. Probably a firewall is blocking udp/123 traffic, or there is an incorrect clock setting on the Cisco WLC.

B. The DHCP server on the AP segment is including the Cisco WLC's AP Manager interface in DHCP option 43. Therefore, the IP address from the certificate does not match.

C. The DHCP server has the incorrect value for option 60. Therefore, the AP is not finding the virtual IP address from the Cisco WLC.

D. Probably a firewall is allowing the discovery on UDP port 12222, but is blocking UDP port 12223. Therefore, the second fragment from the certificate is not arriving on the controller.

Answer: A

13. The WLAN controller in the Split-MAC architecture can handle which four functions?

A. 802.1X

B. key management

C. 802.11e resource reservation

D. association and disassociation messages

Answer: ABCD

14. When increasing the beacon interval, what will happen?

A. Stations in power-save mode will conserve more power, because they will have to awaken less often; however, this may delay packet delivery or cause the buffer to overflow.

B. There will be no effect on the network.

C. Stations in power-save mode will use more power, because they will have to awaken more often; however, this will positively impact stations looking for APs with which to associate.

D. The network will be more secure.

Answer: A

15. Which three statements best describe the communication between the Cisco Catalyst 6500 Series Supervisor Engine and the Cisco WiSM module? (Choose three.)

A. The communication between the Catalyst Supervisor Engine and Cisco WiSM goes to the service port on the Cisco WiSM.

B. WLCCP is used to communicate between the Cisco WiSM and Catalyst Supervisor Engine.

C. WCP runs on UDP/IP port 10000.

D. WCP is used to communicate between the Cisco WiSM and Catalyst Supervisor Engine.

Answer: ACD

16. Which two attributes are used to characterize antenna performance? (Choose two.)

A. harmony

B. gain

C. beamwidth

D. attenuation

Answer: BC

17. The office is now operational using one 2106 WLAN controller with six 1131 APs and one 526 WLAN controller with three 521 APs. When the 526 loses power, the 521 APs do not build up a connection with the 2106 WLAN controller. What will most likely cause this problem?

- A. The 2106 controller and 526 controller do not share the same mobility group name.
- B. The 521 APs were not configured with the 2106 controller as the secondary controller.
- C. The 2106 controller and 526 controller were not configured correctly using the sysname and MAC address for a mobility group.
- D. The 2106 controller does not support the 521 APs.

Answer: D

18. Execute tests to identify the actual source of the problem.

I.Step1

II.Step2

III.Step3

IV.Step4

V.Step5

VI.Step6

- A. I-2,II-4,III-1,IV-5,V-6,VI-3
- B. I-2,II-4,III-1,IV-5,V-3,VI-6
- C. I-2,II-4,III-1,IV-3,V-6,VI-5
- D. I-2,II-4,III-1,IV-3,V-5,VI-6

Answer: A

19. Lightweight Access Point Protocol or LWAPP is the name of a protocol that can control multiple Wi-Fi wireless access points at once. How does the Cisco WCS know what has happened in an LWAPP system when an AP's interface goes down and then comes up again?

- A. The Cisco WCS polls the APs and when the AP is unreachable, reports "Max retransmissions reached on AP <name>".
- B. The AP sends a linkDown then linkUp trap to the Cisco WCS; these are two of the six traps defined in RFC 1215, A Convention for Defining Traps for use with the SNMP.
- C. The AP cannot send a linkDown trap, as per RFC 1215, because the link is down; when the link comes back up, the AP sends a linkup trap to the Cisco WLC, which then forwards the trap to the Cisco WCS.
- D. The Cisco WLC sends a trap to the Cisco WCS when it detects that an AP is down.

Answer: D

20. Which is the most likely cause that an autonomous AP does not have IP connectivity?

- A. no IP address on the BVI interface
- B. all radio interfaces are shut down
- C. no IP address on the Fast Ethernet interface
- D. no IP address on the radio interface

Answer: A

21. One of the advantages of implementing EAP-FAST is that it is not necessary to implement which item as part of your authentication infrastructure?

- A. a RADIUS server
- B. a Certificate Authority infrastructure
- C. a client that supports EAP-FAST
- D. an access control server

Answer: B

22. You work as a network technician at certways.com, read this subject carefully ,then answer the question. The existing Cisco Unified Wireless Controller is running v5.0 code for both the controllers and the Cisco WCS. A controller has been configured with an appropriate rogue rule condition to report discovered APs to the Cisco WCS.

What default alarm level is used to display all rogue APs in the Alarm Summary?

- A. Major
- B. Critical
- C. Flash
- D. Minor

Answer: D

23. Which statement correctly describes client STA roam in a Cisco CKM setup?

- A. All the necessary key information is exchanged within reassociation request and response. Therefore, no interaction with the AAA server or EAPOL Key handshake is needed.
- B. There is no need for a new EAP authentication or reauthentication, because the Authenticator (WDS) maintain a copy of the PMKID. Therefore, the AP and STA only need to complete the EAPOL Key handshake.
- C. Due to the design of Cisco CKM, the STA authenticates against every AP "in range" before trying to associate or reassociate. Therefore, once roaming occurs, there is no need for authentication.
- D. The STA maintains a list of APs it has already authenticated once. Therefore, the STA only needs to authenticate a maximum of one time per AP.

Answer: A

24. Which description about Cisco 7920 wireless IP phones is correct?

- A. Voice quality is inversely related to channel utilization value sent within QBSS-Load-Element: the lower the value, the higher the voice quality.
- B. Voice quality is inversely related to RSSI: the lower the RSSI, the higher the voice quality.
- C. These phones have exactly the same characteristics as the newer Cisco 7921 and 7925 wireless IP phones, and do not need special care when you are configuring security and QoS.
- D. WPA2 is the recommended security method for deployment, along with Cisco Centralized Key Management for fast and secure roaming.

Answer: A

25. You work as a network engineer. If the WLAN interfaces configured on the different controllers are on different IP subnets (Layer 3 inter-controller roaming), can you tell me what will happen when a client roams from one controller (controller A) to a new controller (controller B)?

- A. Controller A will mark the client's entry in its client database as an anchor, controller B will not update its client database because of the anchored entry in controller A, and all ingress and egress traffic will flow through controller A.
- B. Controller A will mark the client with an anchor entry in its client database, the database, and the database entry will be copied to controller B and marked with a foreign entry.
- C. Controller A will mark the client's entry in its client database as foreign, controller B will update its client database, all ingress traffic will flow through controller A, and egress traffic will flow through controller B when symmetric tunneling is disabled.
- D. Controller B will update its client database and all client ingress and egress traffic will transition to the new controller.

Answer: B

26. The P4S company has a WLC at 192.168.1.3 on network 192.168.1.0/24 with a default gateway of 192.168.1.1. It also has a network 10.1.1.0/24 with a default gateway of 10.1.1.1. There is a GRE tunnel on the WAN between the two default gateways.

Which ACL would allow encrypted management of the WLC from host 10.1.1.3 on the 10.1.1.0/24 network, but deny other traffic when applied inbound on the 10.1.1.1 interface?

- A. access-list 101 permit gre host 10.1.1.3 host 192.168.1.3
- B. access-list 101 permit tcp host 10.1.1.3 eq 443 host 192.168.1.3
- C. access-list 101 permit tcp host 10.1.1.3 host 192.168.1.3 eq 443
access-list 101 permit tcp host 10.1.1.3 host 192.168.1.3 eq 22
- D. access-list 101 permit tcp host 10.1.1.3 host 192.168.1.3 eq 80

Answer: C

27. According to the troubleshooting actions, choose proper troubleshooting process order.

1. Create a testing action plan based on the information gathered.
2. Clearly define the trouble reported.
3. If the problem has not been solved, change variables and repeat process.
4. Collect data to isolate possible causes.
5. Analyze the results.
6. Execute tests to identify the actual source of the problem.

I.Step1

II.Step2

III.Step3

IV.Step4

V.Step5

VI.Step6

A. I-2,II-4,III-1,IV-5,V-6,VI-3

B. I-2,II-4,III-1,IV-5,V-3,VI-6

C. I-2,II-4,III-1,IV-3,V-6,VI-5

D. I-2,II-4,III-1,IV-3,V-5,VI-6

Answer: A

28. You can click on the buttons at the bottom of the screen to access resources associated with this item.

The following resources are available to you :

show run - show run on AP-1

debug logs - Logs/debugs on AP-1

Radius sniffer trace taken between AP-1 and AAA-Server.

packet-overview

frame-1

frame-2

frame-3

frame-4

Given:

Wireless-Client (CB21) configured for SSID "CCIE-2"

Standalone AP (autonomous), configured with 3 SSID's and 3 Data-Vlan plus the native VLAN.

AAA server configured for LEAP and EAP-FAST authentication and dynamic VLAN assignment.

Question:

Why is this wireless client not able to associate to the network?

- A. VLAN assignment is only supported on the Wireless LAN Controller solution.
- B. Attributes in use are not correct for VLAN assignment.
- C. The DHCP server is down.
- D. The encryption/key-management from the SSID/VLAN the client uses to associate must match with the SSID/VLAN the AAA server assigns during the authentication/authorization process.

Answer: D

29. ETSI produces globally-applicable standards for Information and Communications Technologies (ICT). What does the current European Telecommunications Standards Institute rule state is the 2.4-GHz maximum transmitter output power for point-to-point installations?

- A. 20 dBm
- B. 17 dBm
- C. 30 dBm
- D. 16 dBm

Answer: B

30. What is the reason that wireless analog video signals that are operating in the 2.4-GHz band are particularly harmful to Wi-Fi service?

- A. Analog Video modulation is the same as Wi-Fi and causes interference.
- B. Analog video is a constant signal with 100% duty cycle.
- C. Analog video is a strong signal and increases the SNR.
- D. Analog video signals are slow frequency hopping and tend to affect the entire band.

Answer: B

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