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Cisco 350-701 Questions: Master the Key Concepts for SCOR Exam Success

How Can I Get Good Scores on My First Attempt at Passing the Cisco 350-701 Exam?

The Cisco 350-701 exam, also known as Implementing and Operating Cisco Security Core Technologies (SCOR), is a professional-level certification that validates the knowledge and skills required to implement and operate core security technologies within a Cisco enterprise network. This exam is part of the CCNP Security certification track and serves as a key milestone for network and security professionals. Are you prepared to enjoy every benefit of passing the CCNP Security 350-701 certification exam? If the answer is yes, sign up for [Free Cisco 350-701 SCOR Exam Questions](#) and begin studying with practice questions for the Implementing and Operating Cisco Security Core Technologies exam right away.

Exam Topics:

The Cisco 350-701 exam covers a range of topics that are essential for securing modern enterprise networks. The key areas include:

- 1. Security Concepts:**
 - Understand security concepts and common security threats.
 - Implement security policies and procedures.
- 2. Network Security:**
 - Implement and configure security features on Cisco network devices.
 - Implement and troubleshoot VPN technologies.
- 3. Securing the Cloud:**
 - Implement cloud security solutions.
 - Describe secure cloud and virtualization technologies.

Exam Logistics For Cisco 350-701:

- Exam Code: 350-701 SCOR
- Exam Duration: 120 minutes
- Exam Format: Multiple choice and performance-based questions
- Vendor: Cisco

Conclusion:

We offer free demos and updates if there are any for your reference beside real 350-101 real materials. By downloading the free demos you will catch on the basic essences of our 350-101 guide question and just look briefly at our practice materials you can feel the thoughtful and trendy of us. About difficult or equivocal points, our experts left notes to account for them. To fill the void, we simplify the procedures of getting way, just place your order and no need to wait for arrival of our 350-101 Exam Dumps or make reservation in case people get them all, our practice materials can be obtained with five minutes.

Cisco 350-101 Exam Syllabus Topics:

| Topic | Details |
|---------|--|
| Topic 1 | <ul style="list-style-type: none">• Wireless Network Operation: Covers initial configuration of Cisco wireless infrastructure, AP discovery and join processes, AP modes, WLAN setup, and client management policies across platforms like Catalyst Center, ISE, and Spaces. |
| Topic 2 | <ul style="list-style-type: none">• RF Fundamentals: Covers the behavior of radio waves, how RF signals are measured and interpreted, the mathematics behind RF calculations, and the characteristics of Wi-Fi antennas. |

| | |
|---------|---|
| Topic 3 | <ul style="list-style-type: none"> • Client Connectivity Configuration: Covers configuring authentication both on and off the controller, setting up client connectivity across different operating systems, roaming behavior, and wireless guest network configuration. |
| Topic 4 | <ul style="list-style-type: none"> • Wireless Monitoring and Management: Covers network maintenance tasks, client monitoring configuration, troubleshooting client connectivity issues, and integrating with external devices and platforms. |

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Cisco Implementing and Operating Cisco Wireless Core Technologies Sample Questions (Q48-Q53):

NEW QUESTION # 48

A deployment requires that several APs be connected to edge switches, and each AP must support management and guest Wi-Fi traffic. The APs tag guest traffic separately from management, and the organization expects to add more VLANs for IoT and voice soon, so the configuration must support scalability. The security team requires that guest traffic never mix with internal resources. Which port configuration must be used for the switch interfaces that connect to the APs?

- A. Set a trunk port with the management VLAN as the native VLAN, and allow only management and user VLANs.
- B. Configure the central Layer 3 switch port as an access VLAN port that allows the management VLAN only.
- C. Make the port an access port on the management VLAN because all traffic is tunneled back to the WLC.
- D. Implement switch port access with the native VLAN for guest traffic and trunk with the management VLAN.

Answer: A

Explanation:

The switch interfaces connected to the APs must be configured as 802.1Q trunk ports. The requirement states that AP management and guest Wi-Fi traffic must remain separate, and additional VLANs for IoT and voice are expected. An access port supports only one VLAN, so it cannot scale for multiple locally tagged client VLANs. Cisco's Catalyst AP guidance states that when multiple VLANs are used for client traffic, the AP switch port should trunk the VLANs, and management traffic is untagged; when a management VLAN is used, it should be configured as the native VLAN on the switch port. Cisco's Catalyst 9800 FlexConnect documentation also shows the AP connected to a trunk port with a native VLAN for AP IP connectivity and a separate VLAN for locally switched client traffic.

Option C is therefore correct: configure a trunk, set the AP management VLAN as native, and restrict the allowed VLAN list to only required management and client VLANs such as guest, IoT, and voice. This supports segmentation and prevents unnecessary internal VLAN exposure. Reference topics: AP switch-port design, 802.1Q trunks, native VLANs, client VLAN tagging, FlexConnect/local switching, and guest traffic segmentation.

NEW QUESTION # 49

A network engineer is integrating Cisco ISE with a wireless controller for 802.1X authentication. The controller is registered with Cisco ISE as a network device. To secure communication, the engineer must configure a shared secret for RADIUS authentication. Which CLI command on the WLC accomplishes this task?

- A. 9800(config-radius-server)# ISE MySecretKey123
- B. 9800(config-radius-server)# key 0 MySecretKey123
- C. 9800(config-radius-server)# radius-server shared-secret MySecretKey123
- D. 9800(config-radius-server)# radius enable authentication MySecretKey123

Answer: B

Explanation:

The correct command is `key 0 MySecretKey123` under RADIUS server configuration mode. On a Catalyst 9800 WLC, the RADIUS server is defined with `radius server < radius-server-name >`, then the server address and ports are configured, and the shared secret is applied with the `key < shared-key >` command. Cisco's Catalyst 9800 802.1X configuration workflow shows the exact sequence: `radius server < radius-server-name >`, `address ipv4 < radius-server-ip >`, `auth-port 1812`, `acct-port 1813`, and `key < shared-key >`.

Cisco IOS XE command examples also show `Device(config-radius-server)# key 0 cisco`, with Cisco describing it as setting the clear-text key for the RADIUS authentication server. The 0 indicates that the key is entered in clear-text form at the CLI; it does not mean "no security." The value must match the shared secret configured for the WLC network device in Cisco ISE, otherwise RADIUS Access-Request messages are rejected or ignored. Options A, B, and C are not valid Catalyst 9800 RADIUS server subcommands.

Reference topic: Client Connectivity Configuration - WPA2/WPA3 Enterprise, 802.1X, Cisco ISE integration, RADIUS server objects, AAA method lists, and shared-secret configuration.

NEW QUESTION # 50

A network administrator at a marketing company manages a Cisco Catalyst 9800 Series Wireless Controller running Cisco IOS XE 17.x. The WLAN named XYZ-Guest is set up for visitors, and the administrator wants to implement a web authentication (WebAuth) portal using an external server to manage guest access. To ensure seamless and secure guest authentication, the controller must be configured to use an external WebAuth server for the WLAN. The administrator must configure the XYZ-Guest WLAN to use an external WebAuth server with a parameter map named webauth-ext. Which set of Cisco IOS XE commands must be used?

- A. `wlan XYZ-Guest 2 XYZ-Guest security web-auth parameter-map webauth-ext`
- B. `wlan XYZ-Guest 2 parameter external security-map webauth-ext`
- C. `wireless wlan XYZ-Guest 2 XYZ-Guest parameter-map webauth-ext`
- D. `wireless wlan XYZ-Guest security web-auth external webauth-ext`

Answer: D

Explanation:

For configuring guest access on a Cisco Catalyst 9800 WLC using an external WebAuth server, the WLAN must be explicitly associated with the external server through a parameter map. The correct command syntax in Cisco IOS XE is `wireless wlan < wlan-name >` followed by `security web-auth external < parameter-map >`.

This configuration links the WLAN to the external WebAuth server defined in the parameter map, allowing guests to be redirected to the portal for authentication. The parameter map (webauth-ext) contains details such as server IP, port, and other authentication parameters required for the external WebAuth interaction. Option B is incorrect because it improperly uses multiple WLAN names in one command, which is not valid syntax.

Option C uses `parameter external security-map`, which is invalid and does not associate the WLAN correctly with the WebAuth server. Option D incorrectly combines the security and parameter-map syntax and is not supported in IOS XE for external WebAuth. Cisco Wireless Core Technologies recommends this approach for centralized guest management, allowing consistent enforcement of guest policies, seamless authentication, and integration with external WebAuth servers across multiple WLANs and APs. Reference topics: Client Connectivity Configuration - WebAuth, external guest portal, WLAN parameter map configuration, Cisco IOS XE 17.x.

NEW QUESTION # 51

A hotel wants to provide guests with wireless connectivity via a captive portal using a Cisco 9800 WLC. The solution must meet these requirements:

- * Ensure that guests are redirected to a custom web page for login and after authentication must have only internet access.
- * The guest SSID must not require a password and must be visible to all clients.
- * Network segmentation between staff and guests is required at the VLAN level.

What must the IT team configure on the WLAN?

- A. central web authentication and assign a policy with ACLs restricting access to internal networks
- B. central web authentication with WPA2-PSK security and a DNS ACL assigned to the WLAN profile
- C. PSK WLAN with VLAN override and enable mDNS for guest users
- D. open authentication with a local web server for the guest WLAN

Answer: A

Explanation:

Central Web Authentication is the correct design for an open guest SSID that redirects users to a captive portal before allowing network access. Cisco describes CWA as a guest-redirection method where the redirect URL and redirect ACL are centrally controlled and communicated to the WLC through RADIUS, with the external authentication system handling the login workflow. On a Catalyst 9800 WLAN, Cisco's configuration flow for Central Web Authentication requires AAA/ACL configuration, including the AAA server list and an ACL tied to the WLAN so client access can be controlled before and after authentication.

Option D is the only answer that satisfies all requirements: captive portal redirection, post-authentication restriction to Internet-only access, and policy enforcement through ACLs. VLAN-level segmentation is implemented through the WLAN policy profile, which maps guest clients to the guest VLAN rather than the staff VLAN. WPA2-PSK is invalid because the guest SSID must not require a password. A local web server alone does not enforce Internet-only authorization or staff-network isolation. mDNS is unrelated to captive portal authentication or guest segmentation. Reference topics: Guest WLAN design, Central Web Authentication, Catalyst 9800 policy profiles, ACL enforcement, VLAN segmentation, and captive portal client onboarding.

NEW QUESTION # 52

Refer to the exhibit.

A wireless controller is deployed at a branch location to facilitate guest client connectivity. A network engineer configures one WLAN using Web authentication and activates web-based method to align with company security policies. Which configuration enables client authentication for this WLAN?

```
wlan webauth 2 webauth
no security ft adaptive
no security wpa
no security wpa wpa2
no security wpa wpa2 ciphers aes
no security wpa akm dot1x
security web-auth
security web-auth authentication-list ldapauth
security web-auth parameter-map global
no shutdown
```

- A. no security wpa akm dot1x
- **B. security web-auth**
- C. wlan webauth 2 webauth
- D. no security wpa wpa2

Answer: B

Explanation:

The command that enables web-based client authentication on the WLAN is `security web-auth`. Cisco's Catalyst 9800 Web-Based Authentication guide shows the WLAN configuration workflow: enter WLAN configuration mode, disable WPA security for the open Layer 2 guest WLAN, then "Enable web authentication for WLAN" using `security web-auth`. Cisco then applies the authentication list and parameter map with `security web-auth authentication-list ...` and `security web-auth parameter-map ...`, which refine the WebAuth method and portal behavior after WebAuth itself is enabled.

Cisco's LDAP authentication example mirrors the exhibit exactly: `wlan webauth 2 webauth`, removal of WPA

`/802.1X Layer 2 security`, `security web-auth`, `security web-auth authentication-list ldapauth`, and `security web-auth parameter-map global`. Option B only creates or enters the WLAN profile with WLAN ID 2 and SSID name. Options C and D disable WPA2 and 802.1X AKM; they do not authenticate clients. Reference topics:

Client Connectivity Configuration - guest WLAN authentication, WebAuth, Layer 3 security, authentication lists, parameter maps, and Catalyst 9800 WLAN security configuration.

NEW QUESTION # 53

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