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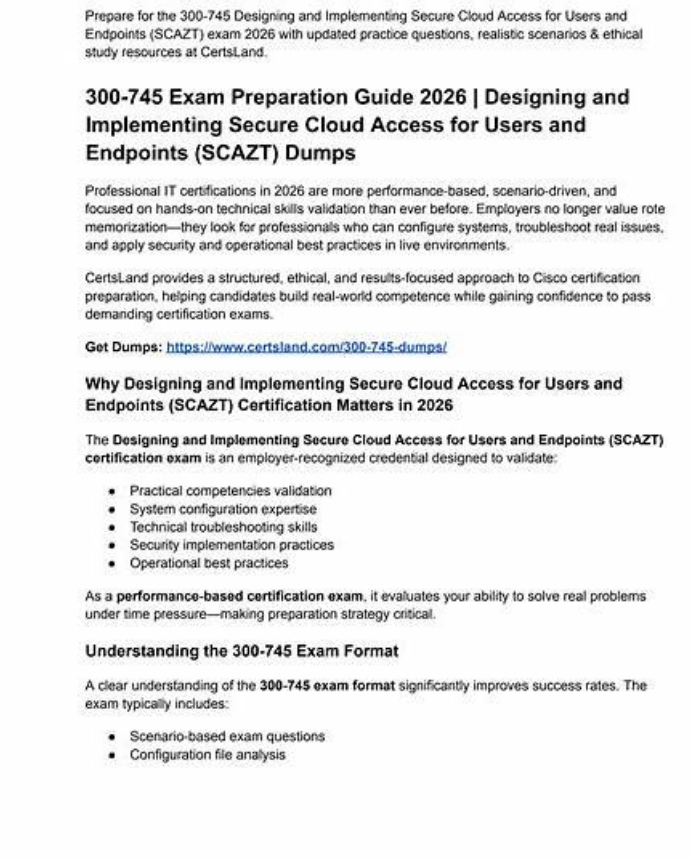

Prepare for the 300-745 Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT) exam 2026 with updated practice questions, realistic scenarios & ethical study resources at CertsLand.

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Professional IT certifications in 2026 are more performance-based, scenario-driven, and focused on hands-on technical skills validation than ever before. Employers no longer value rote memorization—they look for professionals who can configure systems, troubleshoot real issues, and apply security and operational best practices in live environments.

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Why Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT) Certification Matters in 2026

The **Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT) certification exam** is an employer-recognized credential designed to validate:

- Practical competencies validation
- System configuration expertise
- Technical troubleshooting skills
- Security implementation practices
- Operational best practices

As a **performance-based certification exam**, it evaluates your ability to solve real problems under time pressure—making preparation strategy critical.

Understanding the 300-745 Exam Format

A clear understanding of the **300-745 exam format** significantly improves success rates. The exam typically includes:

- Scenario-based exam questions
- Configuration file analysis

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Getting the Designing Cisco Security Infrastructure (300-745) certification is the way to go if you're planning to get into Cisco or want to start earning money quickly. Success in the Designing Cisco Security Infrastructure (300-745) exam of this credential plays an essential role in the validation of your skills so that you can crack an interview or get a promotion in an Cisco company. Many people are attempting the Designing Cisco Security Infrastructure (300-745) test nowadays because its importance is growing rapidly.

Cisco 300-745 Exam Syllabus Topics:

Section	Weight	Objectives

Topic 1: Secure Infrastructure	30%	- Select a VPN and tunneling solution based on business and technical requirements • 1. SD-WAN • 2. IPsec • 3. Public cloud tunnel options • 4. MPLS • 5. DMVPN • 6. GRE - Modify the security architecture to address technical requirements • 1. Hybrid workers • 2. SaaS • 3. Applications across data center and multi-cloud • 4. IoT - Select the security approaches to protect against threats • 1. Identity such as MFA, passwordless, continuous trust, and identity intelligence • 2. Endpoint and client devices (on-network, off-network, and remote) • 3. Email (phishing, ransomware, business email compromise, malware, and spoofing)
Topic 2: Risk, Events, and Requirements	30%	- Modify a security design following an incident - Describe how the SOC leverages incident handling and incident response tools - Match the regulatory and industry compliance document to a given business or technical scenario - Describe the use of frameworks in the lifecycle of a security design • 1. SAFE • 2. MITRE CAPEC • 3. NIST SP 800-37 - Modify a design to mitigate risk
Topic 3: Artificial Intelligence, Automation, and DevSecOps	15%	- Describe DevSecOps concepts and practices for CI/CD pipelines - Select the feature or function of automation tools for security workflows - Evaluate policies to address the impacts of emerging technologies • 1. Quantum computing • 2. Generative AI • 3. Machine learning - Describe the functions, uses, and role of AI in securing network infrastructure
Topic 4: Applications	25%	- Secure access for remote workers and distributed applications - Microservices and container security - Secure web gateway and firewall proxy solutions - API security architecture

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Cisco Designing Cisco Security Infrastructure Sample Questions (Q47-Q52):

NEW QUESTION # 47
An agricultural company wants to enhance the cybersecurity posture by implementing a defense-in-depth strategy to protect against polymorphic malware threats. Currently, the company's security infrastructure relies solely on a stateful traditional edge firewall that does not provide adequate protection against malware variants. Which technology must be added to the company's security architecture to achieve the goal?

- A. web application firewall
- B. physical security control
- C. network performance monitor
- D. heuristics-based IPS

Answer: D

Explanation:
Polymorphic malware is particularly dangerous because it constantly changes its identifiable features (such as its file name or encryption keys) to evade traditional signature-based detection. A stateful traditional firewall is ineffective here as it primarily checks packet headers rather than inspecting the payload for malicious intent. To defend against these variants, aheuristics-based IPS (Intrusion Prevention System)is required.
Unlike traditional IPS systems that look for an exact match of a known threat "signature," heuristics-based systems look forsuspicious characteristicsor behaviors. For example, if a file attempts to modify system registries in a specific sequence or uses obfuscation techniques common to malware, the heuristics engine will flag and block it even if it has never seen that specific version of the malware before. This is a core component ofCisco Secure Firewall (NGFW). While aWAF(Option A) protects web applications and a Network Performance Monitor(Option C) provides visibility into traffic speeds, neither is designed to combat evolving malware. Adding a heuristics-based IPS provides the "deep packet inspection" layer necessary for a true defense-in-depth strategy, ensuring the agricultural company is protected against modern, evasive cyber threats.
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NEW QUESTION # 48
A developer company recently implemented a testing environment based on Linux operating system. The company needs a technology solution that produces tracing and filtering capabilities in the Linux kernel. Which technology meets these requirements without modifying the kernel source code?

- A. VPP
- B. eBPF
- C. NGFW
- D. distributed firewall

Answer: B

Explanation:
eBPF (extended Berkeley Packet Filter) allows tracing, filtering, and monitoring directly inside the Linux kernel without modifying the kernel source code. It provides deep visibility into system and application behavior, making it ideal for secure and efficient observability in a testing environment.

NEW QUESTION # 49
A construction company recently introduced a BYOD policy, where contractors can bring personal devices and connect to the wireless network. The network engineer configured a Wi-Fi network with a guest splash page to provide internet access only. Although the policy was limited to wireless devices, contractors started bringing devices that needed wired connections without authorization and connecting to the network. The network team suggested shutting down ports where unauthorized devices are connected. Which technology must be implemented to ensure that wired and wireless devices are granted network access only after successful authentication?

- A. VACLs
- B. private VLANs
- C. VxLANs
- D. 802.1x

Answer: D

Explanation:
To secure both wired and wireless access points against unauthorized devices, the industry-standard framework isIEEE 802.1x. This technology provides port-based network access control (PNAC), ensuring that no traffic-wired or wireless-is forwarded by the switch or access point until the device or user has been successfully authenticated by a central authority, typically a RADIUS server likeCisco Identity Services Engine (ISE).
In an 802.1x architecture, the device (Supplicant) must provide valid credentials or certificates to the switch /AP (Authenticator). The Authenticator then communicates with the Authentication Server to verify the identity. If authentication fails, the port remains in a "closed" state, effectively preventing the unauthorized "rogue" wired connections mentioned in the scenario. This approach is far more scalable and dynamic than manually shutting down ports or usingVACLs(Option C), which are static filters based on IP or MAC addresses.VxLANs(Option A) are used for network virtualization and overlay tunneling, whilePrivate VLANs(Option B) provide Layer 2 isolation within a subnet but do not verify identity. By implementing 802.1x, the construction company establishes a robust "gatekeeper" at the hardware level, satisfying the Cisco SDSI objective of securing the network edge through identity-based access control for a diverse set of devices.
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NEW QUESTION # 50
A telecommunications company recently introduced a hybrid working model. Based on the new policy, employees can work remotely for 2 days per week if corporate equipment is used. The IT department is preparing corporate laptops to support users during the remote working days.
Which solution must the IT department implement that provides secure connectivity to corporate resources and protects sensitive corporate data even if a laptop is stolen?

- A. Umbrella
- B. ISE Posture
- C. Secure Client
- D. Cisco Duo

Answer: C

Explanation:
Cisco Secure Client (formerly AnyConnect) provides secure remote connectivity through VPN, ensuring encrypted access to corporate resources. It also integrates endpoint security features, protecting sensitive corporate data even if a laptop is stolen.

NEW QUESTION # 51
A restaurant distribution center recently suffered a password spray attack targeting the Cisco Secure Firepower Threat Defense VPN headend. The attack attempts to gain unauthorized access by trying common passwords across many accounts. The attack poses a significant security threat to the organization's remote access infrastructure. To enhance the security of the VPN setup and minimize the risk of similar attacks in the future, the IT security team must implement effective mitigation measures. Which technique effectively reduces the risk of this type of attack?

- A. Change the AAA authentication method from RADIUS to TACACS+.
- B. Disable group aliases in the connection profiles.
- C. Enable AAA authentication for the DefaultWEBVPN and DefaultRAGroup Connection Profiles.
- D. Implement an access list to block addresses from the previous password spray attack.

Answer: C

Explanation:
In the context of Designing Cisco Security Infrastructure, protecting Remote Access VPN (RAVPN) against brute-force and password spray attacks is a critical objective. On Cisco Firepower Threat Defense (FTD) and Adaptive Security Appliance (ASA) platforms, theDefaultWEBVPNGroupandDefaultRAGroupare the landing points for any connection request that does not specify a valid Group Alias or Group URL. Attackers frequently target these default profiles because they are often left with "None" as the authentication method, allowing the attacker to probe for valid usernames without immediate rejection.
By selectingOption D, the security designer ensures that any attempt to access the VPN via these default profiles requires valid AAA credentials. According to Cisco's hardened design guides, it is best practice to point these default profiles to a "sinkhole" AAA server or a local database with no users. This forces the password spray attack to fail at the initial authentication phase before any

sensitive information is leaked or unauthorized access is granted. While Option A (ACLs) provides a temporary fix, it is ineffective against distributed attacks using rotating IP addresses. Option B (Disabling aliases) is a good obfuscation technique but doesn't stop an attacker from hitting the default profile. Option D provides a structural mitigation that aligns with theCisco SAFEarchitectural principle of reducing the attack surface by securing every possible entry vector into the private infrastructure.

NEW QUESTION # 52

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