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Cisco 300-740 Practice Questions

Designing and Implementing Secure Cloud Access for Users and Endpoints

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Cisco 300-740 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Industry Security Frameworks: This section of the exam measures the skills of Cybersecurity Governance Professionals and introduces major industry frameworks such as NIST, CISA, and DISA. These frameworks guide best practices and compliance in designing secure systems and managing cloud environments responsibly.
Topic 2	<ul style="list-style-type: none">• Threat Response: This section of the exam measures skills of Incident Response Engineers and focuses on responding to threats through automation and data analysis. It covers how to act based on telemetry and audit reports, manage user or application compromises, and implement response steps such as containment, reporting, remediation, and reinstating services securely.

Topic 3	<ul style="list-style-type: none"> • SAFE Key Structure: This section of the exam measures skills of Network Security Designers and focuses on the SAFE framework's key structural elements. It includes understanding 'Places in the Network'—the different network zones—and defining 'Secure Domains' to organize security policy implementation effectively.
Topic 4	<ul style="list-style-type: none"> • Cloud Security Architecture: This section of the exam measures the skills of Cloud Security Architects and covers the fundamental components of the Cisco Security Reference Architecture. It introduces the role of threat intelligence in identifying and mitigating risks, the use of security operations tools for monitoring and response, and the mechanisms of user and device protection. It also includes strategies for securing cloud and on-premise networks, as well as safeguarding applications, workloads, and data across environments.
Topic 5	<ul style="list-style-type: none"> • SAFE Architectural Framework: This section of the exam measures skills of Security Architects and explains the Cisco SAFE framework, a structured model for building secure networks. It emphasizes the importance of aligning business goals with architectural decisions to enhance protection across the enterprise.
Topic 6	<ul style="list-style-type: none"> • Network and Cloud Security: This section of the exam measures skills of Network Security Engineers and covers policy design for secure access to cloud and SaaS applications. It outlines techniques like URL filtering, app control, blocking specific protocols, and using firewalls and reverse proxies. The section also addresses security controls for remote users, including VPN-based and application-based access methods, as well as policy enforcement at the network edge.
Topic 7	<ul style="list-style-type: none"> • User and Device Security: This section of the exam measures skills of Identity and Access Management Engineers and deals with authentication and access control for users and devices. It covers how to use identity certificates, enforce multifactor authentication, define endpoint posture policies, and configure single sign-on (SSO) and OIDC protocols. The section also includes the use of SAML to establish trust between devices and applications.
Topic 8	<ul style="list-style-type: none"> • Visibility and Assurance: This section of the exam measures skills of Security Operations Center (SOC) Analysts and focuses on monitoring, diagnostics, and compliance. It explains the Cisco XDR solution, discusses visibility automation, and describes tools for traffic analysis and log management. The section also involves diagnosing application access issues, validating telemetry for behavior analysis, and verifying user access with tools like firewall logs, Duo, and Cisco Secure Workload.

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Cisco Designing and Implementing Secure Cloud Access for Users and Endpoints Sample Questions (Q62-Q67):

NEW QUESTION # 62

Refer to the exhibit. An engineer must provide RDP access to the AWS virtual machines and HTTPS access to the Google Cloud Platform virtual machines. All other connectivity must be blocked. The indicated rules were applied to the firewall; however, none of the virtual machines in AWS and Google Cloud Platform are accessible. What should be done to meet the requirement?

- A. Configure a virtual private cloud firewall rule
- B. Move rule 1 to the last position

- C. Move rule 2 to the first position.
- D. Configure a NAT overload rule

Answer: B

Explanation:

Rule 1 is a "deny all" rule placed at the top of the access control policy. Because Cisco firewalls process rules sequentially from top to bottom, Rule 1 is blocking all traffic—including RDP (Rule 2) and HTTPS (Rule 3).

To allow specific traffic, the "deny all" catch-all rule should be placed last so that the specific allow rules are evaluated first. SCAZT Section 3 (Network and Cloud Security, Pages 69-74) discusses rule hierarchy and clearly states that allow rules must precede any general deny policies to ensure intended traffic is matched correctly. This best practice is essential when dealing with multi-cloud access control.

Reference: Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT), Section 3, Pages 69-74

NEW QUESTION # 63

Refer to the exhibit. A security engineer must configure a posture policy in Cisco ISE to ensure that employee laptops have a critical patch for WannaCry installed before they can access the network. Which posture condition must the engineer configure?

- A. Anti-Virus Condition
- B. Patch Management Condition
- **C. File Condition**
- D. Anti-Malware Condition

Answer: C

Explanation:

The screenshot from Cisco ISE shows a configuration of a "File Condition" posture check that verifies the existence and version of the "Srv.sys" file in the System32 directory. This is a known method to validate if a Windows device has received a critical security patch (in this case, one related to protection against the WannaCry vulnerability, MS17-010). Cisco ISE does not rely solely on a patch management system for this type of validation but can use specific file version and path checks. Therefore, the correct posture condition is File Condition.

Reference: Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT), Section 2: User and Device Security, Pages 43-45.

NEW QUESTION # 64

The role of a reverse proxy in cloud security includes:

- A. Increasing the visibility of backend servers to external threats
- B. Simplifying the architecture by removing the need for WAF
- C. Directly exposing application APIs to the public internet
- **D. Load balancing, SSL encryption, and protection from attacks**

Answer: D

NEW QUESTION # 65

According to the MITRE ATT&CK framework, which approach should be used to mitigate exploitation risks?

- A. Performing regular data backups and testing recovery procedures
- B. Ensuring that network traffic is closely monitored and controlled
- C. Consistently maintaining up-to-date antivirus software
- **D. Keeping systems updated with the latest patches**

Answer: D

Explanation:

According to the MITRE ATT&CK framework and the SCAZT documentation, one of the most effective mitigation techniques against exploitation is to keep systems updated with the latest patches. Exploitation typically targets known vulnerabilities in operating systems and applications. Timely patching significantly reduces the risk of successful exploitation, especially zero-day

