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## Cisco 300-740 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 5	<ul style="list-style-type: none"><li>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.</li></ul>

Topic 6	<ul style="list-style-type: none"> <li>Integrated Architecture Use Cases: This section of the exam measures the skills of Cloud Solution Architects and covers key capabilities within an integrated cloud security architecture. It focuses on ensuring common identity across platforms, setting multicloud policies, integrating secure access service edge (SASE), and implementing zero-trust network access models for more resilient cloud environments.</li> </ul>
Topic 7	<ul style="list-style-type: none"> <li>Application and Data Security This section of the exam measures skills of Cloud Security Analysts and explores how to defend applications and data from cyber threats. It introduces the MITRE ATT&amp;CK framework, explains cloud attack patterns, and discusses mitigation strategies. Additionally, it covers web application firewall functions, lateral movement prevention, microsegmentation, and creating policies for secure application connectivity in multicloud environments.</li> </ul>

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### Cisco Designing and Implementing Secure Cloud Access for Users and Endpoints Sample Questions (Q183-Q188):

NEW QUESTION # 183



Refer to the exhibit. An engineer must configure SAML single sign-on in Cisco ISE to use Microsoft Azure AD as an identity provider. Drag and drop the steps from the left into the sequence on the right to configure Cisco ISE with SAML single sign-on.



**Answer:**

Explanation:





### NEW QUESTION # 184

```

"default_policies": [
  {
    "action": "BLOCK",
    "priority": 100,
    "consumer_filter_ref": "_rootScope",
    "provider_filter_ref": "_workspaceScope",
    "l4_params": [
      {
        "proto": 6
      }
    ]
  }
]
  
```

Refer to the exhibit. An engineer configured a default segmentation policy in Cisco Secure Workload to block SMTP traffic. During testing, it is observed that the SMTP traffic is still allowed. Which action must the engineer take to complete the configuration?

- A. Change consumer\_filter\_ref to: \_SMTPScope
- B. Add \_SMTPScope to provider\_filter\_ref
- **C. Add "port": [25, 25] to \_params**
- D. Add 'port': [25, 25] to \_rootScope

**Answer: C**

**Explanation:**

The JSON configuration shown is missing a specific Layer 4 parameter definition for port 25 (SMTP).

Although the protocol (proto: 6, which is TCP) is defined, without specifying the actual port in the l4\_params array, traffic filtering will not trigger on SMTP. Therefore, the engineer must add "port": [25, 25] to the l4\_params section to ensure traffic on port 25 is blocked.

Reference: Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAFT), Section 5: Visibility and Assurance, Pages 97-100.

### NEW QUESTION # 185



Refer to the exhibit. An engineer must analyze the Cisco Secure Cloud Analytics report. What is occurring?

- A. Persistent remote-control connections
- B. Distributed DDoS attack
- C. Memory exhaustion attempt toward port 22
- **D. Geographically unusual remote access**

**Answer: D**

Explanation:

The Secure Cloud Analytics alert log shows multiple SSH connections on port 22 from diverse and geographically distributed IP addresses targeting a single GCP instance (www-gcp-east-4c). According to the Cloud Analytics alert logic described in SCAZT (Section 6: Threat Response, Pages 113-116), this behavior indicates "Geographically Unusual Remote Access." It typically triggers when a host receives connections from countries not normally associated with the network's usage profile. This is often linked to reconnaissance or brute-force SSH attempts.

Reference: Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT), Section 6, Pages 113-116

**NEW QUESTION # 186**

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. Consistently maintaining up-to-date antivirus software
- **C. Keeping systems updated with the latest patches**
- D. Ensuring that network traffic is closely monitored and controlled

**Answer: C**

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 vulnerabilities once disclosed.

Reference: Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT), Section 6:

Threat Response, Pages 108-110; MITRE ATT&CK Enterprise Mitigation ID M1051 - Update Software.

**NEW QUESTION # 187**

An engineer is configuring multifactor authentication using Duo. The implementation must use Duo Authentication Proxy and the Active Directory as an identity source. The company uses Azure and a local Active Directory. Which configuration is needed to meet the requirement?

- A. Configure the Identity Source as "SAML" on the Single Sign-On tab, and configure the authentication proxy with the "[cloud]" section.
- B. Configure the Identity Source as "Active Directory" on the Single Sign-On tab in the Duo Admin Panel, and configure the permit list to "Local database".
- C. Configure the Identity Source as "SAML" on the Single Sign-On tab in the Duo Admin Panel, and configure the forwarding proxy as "local" for the Identity Source.
- **D. Configure the Identity Source as "Active Directory" on the Single Sign-On tab, and configure the authentication proxy with the "[sso]" section.**

**Answer: D**

Explanation:

When integrating Duo Authentication Proxy with Active Directory for multifactor authentication (MFA), you must:

Configure the Identity Source in the Duo Admin Panel as Active Directory (not SAML), since it's using the Authentication Proxy.

Configure the authentication proxy settings in the [sso] section to communicate with both AD and the Duo cloud.

This setup allows Active Directory to be the primary identity store while Duo provides the second authentication factor.

Reference: Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT), Section 2:

User and Device Security, Pages 40-45

**NEW QUESTION # 188**

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