

New CompTIA SY0-701 Test Pattern, SY0-701 Reliable Test Preparation

Feature	SY0-601	SY0-701
Launch Date	November 12, 2020	November 1, 2023
Retirement Date	July 1, 2024	November 1, 2026
Exam Domains	5	5
New Additions	N/A	IoT, automation, zero trust
Passing Score	750	750

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CompTIA SY0-701 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">General Security Concepts: This topic covers various types of security controls, fundamental security concepts, the importance of change management processes in security, and the significance of using suitable cryptographic solutions.
Topic 2	<ul style="list-style-type: none">Security Program Management and Oversight: Finally, this topic discusses elements of effective security governance, the risk management process, third-party risk assessment, and management processes. Additionally, the topic focuses on security compliance requirements, types and purposes of audits and assessments, and implementing security awareness practices in various scenarios.
Topic 3	<ul style="list-style-type: none">Security Operations: This topic delves into applying common security techniques to computing resources, addressing security implications of proper hardware, software, and data asset management, managing vulnerabilities effectively, and explaining security alerting and monitoring concepts. It also discusses enhancing enterprise capabilities for security, implementing identity and access management, and utilizing automation and orchestration for secure operations.
Topic 4	<ul style="list-style-type: none">Security Architecture: Here, you'll learn about security implications across different architecture models, applying security principles to secure enterprise infrastructure in scenarios, and comparing data protection concepts and strategies. The topic also delves into the importance of resilience and recovery in security architecture.
Topic 5	<ul style="list-style-type: none">Threats, Vulnerabilities, and Mitigations: In this topic, you'll find discussions comparing threat actors and motivations, explaining common threat vectors and attack surfaces, and outlining different types of vulnerabilities. Moreover, the topic focuses on analyzing indicators of malicious activity in scenarios and exploring mitigation techniques used to secure enterprises against threats.

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CompTIA Security+ Certification Exam Sample Questions (Q65-Q70):

NEW QUESTION # 65

Which of the following are the best methods for hardening end user devices? (Choose two.)

- A. Segmentation
- **B. Endpoint protection**
- C. Proxy server
- D. Group-level permissions
- E. Account lockout
- **F. Full disk encryption**

Answer: B,F

Explanation:

Full disk encryption ensures that all data on the device remains confidential if the device is lost or stolen. Endpoint protection (antivirus/EDR) continuously defends against malware, exploits, and other active threats, directly hardening the device against attacks.

NEW QUESTION # 66

Which of the following is the phase in the incident response process when a security analyst reviews roles and responsibilities?

- A. Analysis
- B. Recovery
- C. Lessons learned
- **D. Preparation**

Answer: D

Explanation:

Explanation

Preparation is the phase in the incident response process when a security analyst reviews roles and responsibilities, as well as the policies and procedures for handling incidents. Preparation also involves gathering and maintaining the necessary tools, resources, and contacts for responding to incidents. Preparation can help a security analyst to be ready and proactive when an incident occurs, as well as to reduce the impact and duration of the incident.

Some of the activities that a security analyst performs during the preparation phase are:

Defining the roles and responsibilities of the incident response team members, such as the incident manager, the incident coordinator, the technical lead, the communications lead, and the legal advisor.

Establishing the incident response plan, which outlines the objectives, scope, authority, and procedures for responding to incidents, as well as the escalation and reporting mechanisms.

Developing the incident response policy, which defines the types and categories of incidents, the severity levels, the notification and reporting requirements, and the roles and responsibilities of the stakeholders.

Creating the incident response playbook, which provides the step-by-step guidance and checklists for handling specific types of incidents, such as denial-of-service, ransomware, phishing, or data breach.

Acquiring and testing the incident response tools, such as network and host-based scanners, malware analysis tools, forensic tools, backup and recovery tools, and communication and collaboration tools.

Identifying and securing the incident response resources, such as the incident response team, the incident response location, the evidence storage, and the external support.

Building and maintaining the incident response contacts, such as the internal and external stakeholders, the law enforcement agencies, the regulatory bodies, and the media.

References:

CompTIA Security+ SY0-701 Certification Study Guide, Chapter 6: Architecture and Design, Section 6.4: Secure Systems Design, p. 279-280

CompTIA Security+ SY0-701 Certification Exam Objectives, Domain 3: Architecture and Design, Objective 3.5: Given a scenario, implement secure network architecture concepts, Sub-objective:

Incident response, p. 16

NEW QUESTION # 67

An attacker gained access to a virtual machine and was able to access the hypervisor. Which of the following describes this attack?

- A. VM escape
- B. SQL injection
- C. Privilege escalation
- D. Logic bomb

Answer: A

Explanation:

VM escape is an attack in which a malicious actor breaks out of the confines of a virtual machine to gain access to the underlying hypervisor or other virtual machines, matching the scenario described.

NEW QUESTION # 68

A network team segmented a critical, end-of-life server to a VLAN that can only be reached by specific devices but cannot be reached by the perimeter network. Which of the following best describe the controls the team implemented? (Choose two.)

- A. Technical
- B. Corrective
- C. Physical
- D. Managerial
- E. Compensating
- F. Detective
- G. Deterrent

Answer: A,E

Explanation:

Technical controls involve the use of technology to manage or mitigate risks. By segmenting the server into VLAN and restricting access to specific devices, the network team has employed a technical control here.

Compensating controls are alternative measures in place to address a risk when the primary control is not feasible which in these case segmenting the server into VLAN and limiting access can be seen as compensating control.

NEW QUESTION # 69

Which of the following is the most effective way to protect an application server running software that is no longer supported from network threats?

- A. Port security
- B. Barricade
- C. Air gap
- D. Screen subnet

Answer: C

Explanation:

Air-gapping is the most effective way to protect an application server running unsupported software from network threats. By physically isolating the server from any network connection (no wired or wireless communication), it is protected from external cyber threats. While other options like port security or a screened subnet can provide some level of protection, an air gap offers the highest level of security by preventing any network-based attacks entirely.

References =

* CompTIA Security+ SY0-701 Course Content: Domain 03 Security Architecture.

* CompTIA Security+ SY0-601 Study Guide: Chapter on Secure System Design.

NEW QUESTION # 70

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