

First-hand SY0-701 Test Sample Questions - CompTIA Exam SY0-701 Objectives Pdf: CompTIA Security+ Certification Exam



CompTIA Security+ Certification Exam Objectives

EXAM NUMBER: SY0-701



CompTIA's Security+ SY0-701 Certification Exam: Exam Objectives Version 3.0
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CompTIA SY0-701 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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.
Topic 3	<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 4	<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 5	<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.

CompTIA Security+ Certification Exam Sample Questions (Q484-Q489):

NEW QUESTION # 484

The Chief Information Security Officer of an organization needs to ensure recovery from ransomware would likely occur within the organization's agreed-upon RPOs and RTOs. Which of the following backup scenarios would best ensure recovery?

- A. Daily differential backups maintained by a third-party cloud provider
- **B. Weekly full backups with daily incremental stored on a NAS drive**
- C. Hourly differential backups stored on a local SAN array
- D. Daily full backups stored on premises in magnetic offline media

Answer: B

Explanation:

A backup strategy that combines weekly full backups with daily incremental backups stored on a NAS (Network Attached Storage) drive is likely to meet an organization's Recovery Point Objectives (RPOs) and Recovery Time Objectives (RTOs). This approach ensures that recent data is regularly backed up and that recovery can be done efficiently, without significant data loss or lengthy downtime.

Reference =

CompTIA Security+ SY0-701 Course Content: Domain 05 Security Program Management and Oversight.

CompTIA Security+ SY0-601 Study Guide: Chapter on Disaster Recovery and Backup Strategies.

NEW QUESTION # 485

A business received a small grant to migrate its infrastructure to an off-premises solution. Which of the following should be considered first?

- A. Security of cloud providers
- B. Cost of implementation
- C. Ability of engineers
- D. **Security of architecture**

Answer: D

Explanation:

Security of architecture is the process of designing and implementing a secure infrastructure that meets the business objectives and requirements. Security of architecture should be considered first when migrating to an off-premises solution, such as cloud computing, because it can help to identify and mitigate the potential risks and challenges associated with the migration, such as data security, compliance, availability, scalability, and performance. Security of architecture is different from security of cloud providers, which is the process of evaluating and selecting a trustworthy and reliable cloud service provider that can meet the security and operational needs of the business. Security of architecture is also different from cost of implementation, which is the amount of money required to migrate and maintain the infrastructure in the cloud. Security of architecture is also different from ability of engineers, which is the level of skill and knowledge of the IT staff who are responsible for the migration and management of the cloud infrastructure. References: CompTIA Security+ Study Guide: Exam SY0-701, 9th Edition, page 3491

NEW QUESTION # 486

A company purchased cyber insurance to address items listed on the risk register. Which of the following strategies does this represent?

- A. Mitigate
- B. Avoid
- C. **Transfer**
- D. Accept

Answer: C

Explanation:

Cyber insurance is a type of insurance that covers the financial losses and liabilities that result from cyberattacks, such as data breaches, ransomware, denial-of-service, phishing, or malware. Cyber insurance can help a company recover from the costs of restoring data, repairing systems, paying ransoms, compensating customers, or facing legal actions. Cyber insurance is one of the possible strategies that a company can use to address the items listed on the risk register. A risk register is a document that records the identified risks, their probability, impact, and mitigation strategies for a project or an organization. The four common risk mitigation strategies are:

Accept: The company acknowledges the risk and decides to accept the consequences without taking any action to reduce or eliminate the risk. This strategy is usually chosen when the risk is low or the cost of mitigation is too high.

Transfer: The company transfers the risk to a third party, such as an insurance company, a vendor, or a partner. This strategy is usually chosen when the risk is high or the company lacks the resources or expertise to handle the risk.

Mitigate: The company implements controls or measures to reduce the likelihood or impact of the risk. This strategy is usually chosen when the risk is moderate or the cost of mitigation is reasonable.

Avoid: The company eliminates the risk by changing the scope, plan, or design of the project or the organization. This strategy is usually chosen when the risk is unacceptable or the cost of mitigation is too high.

By purchasing cyber insurance, the company is transferring the risk to the insurance company, which will cover the financial losses and liabilities in case of a cyberattack. Therefore, the correct answer is B.

Transfer. References = CompTIA Security+ Study Guide (SY0-701), Chapter 8: Governance, Risk, and Compliance, page 377. Professor Messer's CompTIA SY0-701 Security+ Training Course, Section 8.1: Risk Management, video: Risk Mitigation Strategies (5:37).

NEW QUESTION # 487

Which of the following would a service provider supply as an assurance for a disposal service as part of a disposal process?

- A. Insurance
- B. **Certification**
- C. Retention
- D. Classification

Answer: B

Explanation:

As part of secure disposal, a service provider issues a certificate of destruction (a form of certification) to formally attest that media or documents were disposed of in accordance with agreed procedures and compliance requirements.

NEW QUESTION # 488

Which of the following is the best way to remove personal data from a social media account that is no longer being used?

- A. Terminate the social media account.
- B. Perform a factory reset.
- C. **Exercise the right to be forgotten.**
- D. Uninstall the social media application.

Answer: C

Explanation:

Exercising the right to be forgotten compels the provider to erase your stored personal data from its systems; simply deleting the app, resetting a device, or even closing the account may leave data retained in backups or archives.

NEW QUESTION # 489

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