

CompTIA SecurityX Certification

Duration: 5 Days

Course Outlines:

Governance, Risk, and Compliance

- Given a set of organizational security requirements, implement the appropriate governance components.
- Given a set of organizational security requirements, perform risk management activities.
- Explain how compliance affects information security strategies.
- Given a scenario, perform threat-modeling activities.
- Summarize the information security challenges associated with artificial intelligence (AI) adoption.

Security Architecture

- Given a scenario, analyze requirements to design resilient systems
- Given a scenario, implement security in the early stages of the systems life cycle and throughout subsequent stages.
- Given a scenario, integrate appropriate controls in the design of a secure architecture.
- Given a scenario, apply security concepts to the design of access, authentication, and authorization systems.
- Given a scenario, securely implement cloud capabilities in an enterprise environment.
- Given a scenario, integrate Zero Trust concepts into system architecture design.

Security Engineering

- Given a scenario, troubleshoot common issues with identity and access management (IAM) components in an enterprise environment.
- Given a scenario, analyze requirements to enhance the security of endpoints and servers.
- Given a scenario, troubleshoot complex network infrastructure security issues.
- Given a scenario, implement hardware security technologies and techniques.
- Given a set of requirements, secure specialized and legacy systems against threats.
- Given a scenario, use automation to secure the enterprise
- Explain the importance of advanced cryptographic concepts.
- Given a scenario, apply the appropriate cryptographic use case and/or technique.

Security Operations

- Given a scenario, analyze data to enable monitoring and response activities.
- Given a scenario, analyze vulnerabilities and attacks, and recommend solutions to reduce the attack surface.
- Given a scenario, apply threat-hunting and threat intelligence concepts.
- Given a scenario, analyze data and artifacts in support of incident response activities.

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