COMPTIA SECURITY ARCHITECTURE (SecurityX)

Our Learning Exclusive

- Custom exam prep software and materials
- Exam delivery in classroom with 98% success
- Course specific thinQtank® Learning publications to promote a fun exciting learning
- Extended hours of training including immersive hands-on exercises
- WE DO NOT "TEACH THE TEST" We always deliver valuable hands-on experience
- Receive all reading material and study guides when you register
- All courses taught by expert information security professionals

Course Duration

- Five days of instructor-led training
- 80% lecture, 20% lab demonstrations

Prerequisites

- Knowledge of IAM concepts and implementations, such as authentication factors and directory services.
- Knowledge of cryptographic concepts and implementations, such as SSL/TLS and PKI.
- Knowledge of computer networking concepts and implementations.
- Knowledge of security technologies used to safeguard the enterprise.

Target Audience

- IT professionals in the cybersecurity industry whose primary job responsibility is to secure complex enterprise environments.
- Students who are seeking the CompTIA SecurityX certification and who want to prepare for Exam CAS-005.

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Exam Information

- CAS-005 – CompTIA Security Architecture

Delivery Methods

- Instructor-Led Training
- Immersive Live-Online Training
- On-Site and Custom Delivery

Exclusive Learning Package

- CompTIA-approved SecurityX training program
- After-course instructor coaching benefits
- Custom interactive study materials that assure success on the exam – FIRST ATTEMPT!
- **Exam voucher included**

Course Overview

thinQtank® Learning is offering an industry-unique five-day training camp in which students can receive the CompTIA SecurityX certification. As with all of our CompTIA Training Experiences, exams can be delivered in the classroom.

The CompTIA SecurityX (CAS-005) Certification Prep Course is designed for experienced cybersecurity professionals ready to take their expertise to the next level. As the newly rebranded successor to CASP+, SecurityX is part of CompTIA's Xpert series and focuses on the skills required of senior security engineers and architects who lead enterprise-level cybersecurity initiatives. This course equips learners with the advanced knowledge needed to design and implement secure solutions across complex environments, preparing them to meet today's evolving threat landscape head-on.

Throughout the course, students will engage with real-world scenarios and hands-on labs that mirror the challenges faced by professionals in high-stakes cybersecurity roles. Topics include digital security architecture, enterprise risk management, governance, and advanced threat mitigation strategies. Whether you're aiming to validate your skills or step into a leadership role in cybersecurity, this course offers the depth and rigor needed to succeed on the SecurityX (CAS-005) exam and beyond.

Course Objectives

In this course, you will analyze and apply advanced security concepts, principles, and implementations that contribute to enterprise-level security, including:

- Design, implement, and integrate secure solutions across complex environments to support a resilient enterprise in security architecture and engineering.
- Use automation, monitoring, detection, and incident response to support ongoing security operations proactively.
- Apply security practices to cloud, on-premises, and hybrid environments to ensure enterprise-wide protection.
- Utilize cryptographic technologies and techniques while evaluating the impact of emerging trends, such as artificial intelligence, on information security.
- Implement governance, compliance, risk management, and threat modeling strategies across the enterprise.
- Validate advanced, hands-on skills in security architecture and senior security engineering within live environments.

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Course Modules

1 Introduction
- Preassessment

2 Summarizing Governance Risk and Compliance
- Implement Appropriate Governance Components
- Explain Legal Compliance
- Apply Risk Management Strategies

3 Implementing Architecture and Design
- Apply Software Development
- Integrate Software Architecture
- Support Operational Resilience
- Implement Cloud Infrastructure
- Integrate Zero Trust Concepts
- Troubleshoot using AAA and IAM

4 Understanding Security Engineering
- Enhance Endpoint Security
- Configure Network Infrastructure
- Initiate Security Automation
- Apply Cryptography Concepts

5 Applying Security Operations and Incident Response
- Perform Threat Modeling
- Examine Security Monitoring
- Analyze Known Attack Methods and Associated Mitigations
- Apply Threat Hunting Tools and Technologies
- Evaluate Incident Analysis and Response

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