Training: Microsoft
SC-100T00: Microsoft Cybersecurity Architect

Microsoft Partner

TRAINING GOALS:

This is an advanced, expert-level course. This course prepares students with the expertise to design and evaluate cybersecurity strategies in the following areas: Zero Trust, Governance Risk Compliance (GRC), security operations (SecOps), and data and applications. Students will also learn how to design and architect solutions using zero trust principles and specify security requirements for cloud infrastructure in different service models (SaaS, PaaS, IaaS).

Audience Profile:
This course is for experienced cloud security engineers who have taken a previous certification in the security, compliance and identity portfolio. Specifically, students should have advanced experience and knowledge in a wide range of security engineering areas, including identity and access, platform protection, security operations, securing data, and securing applications.

Skills earned upon completion:

- Design security operations and compliance capabilities using Microsoft Defender and Microsoft Sentinel
- Design application security solutions using Microsoft Defender and Microsoft Sentinel
- Design infrastructure security solutions using Microsoft Defender and Microsoft Sentinel

CONSPECT:

- Design solutions that align with security best practices and priorities
  - Module 1: Introduction to Zero Trust and best practice frameworks
  - Module 2: Design solutions that align with the Cloud Adoption Framework (CAF) and Well-Architected Framework (WAF)
  - Module 3: Design solutions that align with the Microsoft Cybersecurity Reference Architecture (MCRA) and Microsoft cloud security benchmark (MCSB)
  - Module 4: Design a resiliency strategy for ransomware and other attacks based on Microsoft Security Best Practices

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- Design security operations, identity, and compliance capabilities
  - Module 1: Design solutions for regulatory compliance
  - Module 2: Design solutions for identity and access management
  - Module 3: Design solutions for securing privileged access
  - Module 4: Design solutions for security operations
  - Module 5: Interactive case study: Modernizing identity and data security
  - Module 6: Interactive case study: Modernizing user access control and threat resilience
- Design security solutions for applications and data
  - Module 1: Evaluate solutions for securing Microsoft 365
  - Module 2: Design solutions for securing applications
  - Module 3: Design solutions for securing data in Azure
  - Module 4: Design solutions for data security and classification
- Design security solutions for infrastructure
  - Module 1: Design solutions for securing server and client endpoints
  - Module 2: Design solutions for securing cloud workloads
  - Module 3: Design solutions for securing network connectivity
  - Module 4: Design solutions for securing cloud applications and hybrid environments
  - Module 5: Design solutions for securing AI workloads

REQUIREMENTS:

Advanced experience and knowledge in identity and access, platform protection, security operations, securing data and securing applications. Experience with hybrid and cloud implementations. Strongly recommended to have passed AZ-500, SC-200 or SC-300 before attending.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion).

This course will help prepare you for the **Microsoft Certified: Cybersecurity Architect Expert** certification exam (Exam SC-100), which is available through the Pearson VUE test centers.

TRAINER:

Microsoft Certified Trainer (MCT)

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