SC-100T00: Microsoft® Cybersecurity Architect

Duration: 4 Days
Method: Instructor-Led Training (ILT) | Live Online Training

Certification: Microsoft Certified: Cybersecurity Architect Expert
— Exam: SC-100 Microsoft Cybersecurity Architect

Course Description

This course prepares participants to have a background in designing and evaluating cybersecurity strategies in the following areas of Zero Trust, Governance Risk Compliance (GRC), security operations (SecOps), and data and applications. Participants will also learn how to design and build solutions using zero trust principles and specify security requirements for cloud infrastructure in different service models (SaaS, PaaS, IaaS).

Target Audience

This course is intended for:
- IT professionals with advanced experience and knowledge in a wide range of security engineering areas.

Prerequisites

To attend this course, candidates must 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.
- Experience with hybrid and cloud implementations.

Course Objectives

Upon successful completion of this course, attendees will be able to:
- Design a Zero Trust strategy and architecture.
- Evaluate Governance Risk Compliance (GRC) technical strategies and security operations strategies.
- Design infrastructure security.
- Design a strategy for data and applications.

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Course Topics

Module 1: Design Solutions That Align with Security Best Practices and Priorities

- Introduction to Zero Trust and Best Practice Frameworks
- Design Solutions that Align with the Cloud Adoption Framework (CAF) and Well-Architected Framework (WAF)
- Design Solutions that Align with the Microsoft Cybersecurity Reference Architecture (MCRA) and Microsoft cloud Security Benchmark (MCSB)
- Design a Resiliency Strategy for Common Cyberthreats Like Ransomware

Module 2: Design Security Operations, Identity, and Compliance Capabilities

- Design Solutions for Regulatory Compliance
- Design Solutions for Identity and Access Management
- Design Solutions for Securing Privileged Access
- Design Solutions for Security Operations

Module 3: Design Security Solutions for Applications and Data

- Design Solutions for Securing Microsoft 365
- Design Solutions for Securing Applications
- Design Solutions for Securing an Organization's Data

Module 4: Design Security Solutions for Infrastructure

- Specify Requirements for Securing SaaS, PaaS, and IaaS Services
- Design Solutions for Security Posture Management in Hybrid and Multi-Cloud Environments
- Design Solutions for Securing Server and Client Endpoints
- Design Solutions for Network Security

CASE STUDIES INCLUDED

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