Microsoft Cybersecurity Architect (SC-100T00)

ID SC-100T00 **Price** 2,690.— €(excl. tax) **Duration** 4 days

Course Overview

This is an advanced, expert-level course. Although not required to attend, students are strongly encouraged to have taken and passed another associate level certification in the security, compliance and identity portfolio (such as AZ-500, SC-200 or SC-300) before attending this class. 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).

Who should attend

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. They should also have experience with hybrid and cloud implementations. Beginning students should instead take the course SC-900: Microsoft Security, Compliance, and Identity Fundamentals.

This course is part of the following Certifications

Microsoft Certified: Cybersecurity Architect Expert (MCCAE)

Prerequisites

Before attending this course, students must have:

- Highly recommended to have attended and passed one of the associate level certifications in the security, compliance and identity portfolio (such as AZ-500, SC-200 or SC-300)
- Content of the courses Microsoft Azure Administrator (AZ-104T00), Microsoft 365 Administrator (MS-102T00) and Microsoft Security Operations Analyst (SC-200T00) or equivalent knowledge.
- Advanced experience and knowledge in identity and access, platform protection, security operations, securing data and securing applications.
- Experience with hybrid and cloud implementations.

Course Content

- Build an overall security strategy and architecture
- Design a security operations strategy
- Design an identity security strategy
- Evaluate a regulatory compliance strategy
- Evaluate security posture and recommend technical strategies to manage risk
- Understand architecture best practices and how they are changing with the Cloud
- Design a strategy for securing server and client endpoints
- Design a strategy for securing PaaS, IaaS, and SaaS services
- Specify security requirements for applications
- Design a strategy for securing data
- Recommend security best practices using Microsoft Cybersecurity Reference Architectures (MCRA) and Microsoft Cloud Security Benchmarks
- Recommend a secure methodology using the Cloud Adoption Framework (CAF)
- Recommend a ransomware strategy by using Microsoft Security Best Practices

Detailed Course Outline

Module 1: SC-100: 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 ransomware and other attacks based on Microsoft Security Best Practices
- Case study: Design solutions that align with security best practices and priorities

Module 2: SC-100: 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
- Case study: Design security operations, identity and compliance capabilities

Module 3: SC-100: 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
- Case study: Design security solutions for applications and data

Module 4: SC-100: Design security solutions for infrastructure

- Specify requirements for securing SaaS, PaaS, and IaaS services
- Design solutions for security posture management in hybrid and multicloud environments
- Design solutions for securing server and client endpoints
- Design solutions for network security
- Case study: Design security solutions for infrastructure

About Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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- ✓ Mobile Learning

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Worldwide Presence
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Germany
Fast Lane Institute for Knowledge Transfer GmbH
Tel. +49 40 25334610
info@flane.de / www.flane.de

Austria
ITLS GmbH
(Partner of Fast Lane)
Tel. +43 1 6000 8800
info@itls.at / www.itls.at

Switzerland
Fast Lane Institute for Knowledge Transfer (Switzerland) AG
Tel. +41 44 8325080
info@flane.ch / www.flane.ch