SC-100T00 Microsoft Cybersecurity Architect

Category: Networking & Security | **Vendor:** Microsoft Technical

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Certified: Cybersecurity Architect Expert
Related Exam:	SC-100

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).

About This Course

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.

Prerequisites & Entry Requirements

General Prerequisites:

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

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate Governance Risk Compliance (GRC) technical strategies and security operations strategiesDesign security for infrastructureDesign a strategy for data and applications, Microsoft Cybersecurity Architect Course ObjectivesDesign a Zero Trust strategy and architectureEvaluate

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Detailed Course Outline

1 - Introduction to Zero Trust and best practice frameworks

- Zero Trust initiatives
- Zero Trust technology pillars part 1
- Zero Trust technology pillars part 2

2 - Design solutions that align with the Cloud Adoption Framework (CAF) and Well-Architected Framework (WAF)

- Define a security strategy
- Cloud Adoption Framework secure methodology
- Design security with Azure Landing Zones
- The Well-Architected Framework security pillar

3 - Design solutions that align with the Microsoft Cybersecurity Reference Architecture (MCRA) and Microsoft cloud security benchmark (MCSB)

- Design solutions with best practices for capabilities and controls
- Design solutions with best practices for attack protection

4 - Design a resiliency strategy for common cyberthreats like ransomware

- Common cyberthreats and attack patterns
- Support business resiliency
- Ransomware protection
- Configurations for secure backup and restore
- Security updates

5 - Case study: Design solutions that align with security best practices and priorities

- Case study description
- Case study answers
- Conceptual walkthrough
- Technical walkthrough

6 - Design solutions for regulatory compliance

- Translate compliance requirements into a security solution
- Address compliance requirements with Microsoft Purview
- Address privacy requirements with Microsoft Priva
- Address security and compliance requirements with Azure policy
- Evaluate infrastructure compliance with Defender for Cloud

7 - Design solutions for identity and access management

- Design cloud, hybrid and multicloud access strategies (including Microsoft Entra ID)
- Design a solution for external identities
- Design modern authentication and authorization strategies
- Align conditional access and Zero Trust
- Specify requirements to secure Active Directory Domain Services (AD DS)
- Design a solution to manage secrets, keys, and certificates

8 - Design solutions for securing privileged access

- The enterprise access model
- Design identity governance solutions
- Design a solution to secure tenant administration
- Design a solution for cloud infrastructure entitlement management (CIEM)
- Design a solution for privileged access workstations and bastion services

9 - Design solutions for security operations

- Design security operations capabilities in hybrid and multicloud environments
- Design centralized logging and auditing
- Design security information and event management (SIEM) solutions
- Design solutions for detection and response
- Design a solution for security orchestration, automation, and response (SOAR)
- Design security workflows
- Design threat detection coverage

10 - Case study: Design security operations, identity and compliance capabilities

- Case study description
- Case study answers
- Conceptual walkthrough
- Technical walkthrough

11 - Design solutions for securing Microsoft 365

- Evaluate security posture for collaboration and productivity workloads
- Design a Microsoft Defender XDR solution
- Design configurations and operational practices for Microsoft 365

12 - Design solutions for securing applications

- Design and implement standards to secure application development
- Evaluate security posture of existing application portfolios
- Evaluate application threats with threat modeling
- Design security lifecycle strategy for applications
- Secure access for workload identities
- Design a solution for API management and security
- Design a solution for secure access to applications

13 - Design solutions for securing an organization's data

- Design a solution for data discovery and classification using Microsoft Purview
- Design a solution for data protection
- Design data security for Azure workloads
- Design security for Azure Storage
- Design a security solution with Microsoft Defender for SQL and Microsoft Defender for Storage

14 - Case study: Design security solutions for applications and data

- Case study description
- Case study answers
- Conceptual walkthrough
- Technical walkthrough

15 - Specify requirements for securing SaaS, PaaS, and IaaS services

- Specify security baselines for SaaS, and IaaS services
- Specify security requirements for web workloads
- Specify security requirements for containers and container orchestration

16 - Design solutions for security posture management in hybrid and multicloud environments

- Evaluate security posture by using Microsoft Cloud Security Benchmark
- Design integrated posture management and workload protection
- Evaluate security posture by using Microsoft Defender for Cloud
- Posture evaluation with Microsoft Defender for Cloud secure score
- Design cloud workload protection with Microsoft Defender for Cloud
- Integrate hybrid and multicloud environments with Azure Arc
- Design a solution for external attack surface management

17 - Design solutions for securing server and client endpoints

- Specify server security requirements
- Specify requirements for mobile devices and clients
- Specify internet of things (IoT) and embedded device security requirements
- Secure operational technology (OT) and industrial control systems (ICS) with Microsoft Defender for IoT
- Specify security baselines for server and client endpoints
- Design a solution for secure remote access

18 - Design solutions for network security

- Design solutions for network segmentation
- Design solutions for traffic filtering with network security groups
- Design solutions for network posture management
- Design solutions for network monitoring

19 - Case study: Design security solutions for infrastructure

- Case study description
- Case study answers
- Conceptual walkthrough
- Technical walkthrough

, Design solutions for securing applications, Design solutions for securing Microsoft 365, Case study: Design security operations, identity, and compliance capabilities, Design solutions for security operations, Design solutions for securing privileged access, Case study: Design security solutions for infrastructure, Design solutions for network security, Design solutions for securing server and client endpoints, Design solutions for securing an organization's data, Case study: Design security solutions

for applications and data, Specify requirements for securing SaaS, and IaaS services, Design solutions for security posture management in hybrid and multi-cloud environments, Design solutions that align with security best practices and priorities, Design security operations, Design security solutions for applications and data, Design security solutions for infrastructure, 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, Design solutions for regulatory compliance, Design solutions for identity and access management, identity and compliance capabilities, Design solutions for security posture management in hybrid and multicloud environments, Design a resiliency strategy for common cyber threats like ransomware

□□ Certification Path

Microsoft Certified: Cybersecurity Architect Expert

Exam: SC-100

Upcoming Schedule

Available training dates for SC-100T00 Microsoft Cybersecurity Architect:

Start Date	End Date	Location	Delivery	Price
14 Dec 2026	17 Dec 2026	Online	Virtual	€2,495.00

Frequently Asked Questions

Q: What delivery options are available for SC-100T00 Microsoft Cybersecurity Architect?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The SC-100T00 Microsoft Cybersecurity Architect course helps prepare you for the Microsoft Certified: Cybersecurity Architect Expert certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the SC-100 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 4-day SC-100T00 Microsoft Cybersecurity Architect course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the SC-100T00 Microsoft Cybersecurity Architect training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for SC-100T00 Microsoft Cybersecurity Architect?

Yes, we provide corporate training, dedicated training, and closed classes for SC-100T00 Microsoft Cybersecurity Architect. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: SC-100T00: Microsoft Cybersecurity Architect, Microsoft, vILT, SC-100T00

Q: Why choose Nexus Human for SC-100T00 Microsoft Cybersecurity Architect?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your SC-100T00 Microsoft Cybersecurity Architect training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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