

**Microsoft Security, Compliance, and Identity Fundamentals (SC-900)**

**Course Number:** MOC-SC-900  
**Duration:** 1 day

**Overview**

This Microsoft Security, Compliance, and Identity Fundamentals training class (SC-900) teaches attendees the fundamentals of security, compliance, identity concepts, and related cloud-based Microsoft solutions. This course prepares students for the [SC-900 exam](https://docs.microsoft.com/en-us/learn/certifications/exams/SC-900) for which every attendee receives a voucher.

**Prerequisites**

All students must have:

* General understanding of networking and cloud computing concepts
* General IT knowledge or any general experience working in an IT environment
* General understanding of Microsoft Azure and Microsoft 365

**Materials**

All Microsoft training students receive Microsoft official courseware.

For all Microsoft Official Courses taught in their entirety that have a corresponding certification exam, an exam voucher is included for each participant.

**Software Needed on Each Student PC**

Attendees will not need to install any software on their computer for this class. The class will be conducted in a remote environment that Accelebrate will provide; students will only need a local computer with a web browser and a stable Internet connection. Any recent version of Microsoft Edge, Mozilla Firefox, or Google Chrome will be fine.

**Objectives**

* Describe the shared responsibility and the defense-in-depth security models
* Describe the Zero-Trust model
* Describe the concepts of encryption and hashing
* Describe basic compliance concepts
* Understand the difference between authentication and authorization
* Describe the concept of identity as a security perimeter
* Describe identity-related services
* Describe what Azure AD does
* Describe the types of identities Azure AD supports
* Describe the authentication methods of Azure AD
* Describe multi-factor authentication in Azure AD
* Describe the password protection and management capabilities of Azure AD
* Describe Conditional Access in Azure AD
* Describe the benefits of Azure AD roles and role-based access control
* Describe the capabilities of identity governance in Azure
* Describe Privileged Identity Management
* Describe the capabilities of Azure Identity Protection
* Describe cloud security posture management
* Describe the capabilities of Microsoft Defender for Cloud
* Understand the Azure Security Benchmark and the security baselines in Azure
* Describe the security concepts for SIEM and SOAR
* Describe how Microsoft Sentinel provides integrated threat management
* Describe the pricing models of Microsoft Sentinel
* Describe the Microsoft 365 Defender service
* Describe the offerings of the Service Trust Portal
* Describe Microsoft's privacy principles
* Describe the Microsoft Purview compliance portal
* Describe data classification capabilities
* Describe records management
* Describe data loss prevention
* Describe insider risk management
* Describe communication compliance
* Describe information barriers
* Describe the eDiscovery capabilities of Microsoft Purview
* Describe the Azure Policy
* Describe Azure Blueprints
* Describe Microsoft Purview

**Outline**

* Introduction
* Security and Compliance Concepts
  + The shared responsibility model
  + Describe defense in depth
  + The Zero Trust model
  + Encryption and hashing
  + Compliance concepts
* Identity Concepts
  + Authentication and authorization
  + Identity as the primary security perimeter
  + The role of the identity provider
  + Directory services and Active Directory
  + The concept of Federation
* Services and Identity Types of Azure AD
  + Azure Active Directory
  + The available Azure AD editions
  + Azure AD identity types
  + Types of external identities
  + Describe the concept of hybrid identity
* Authentication Capabilities of Azure AD
  + Authentication methods available in Azure AD
  + Multi-factor authentication (MFA) in Azure AD
  + Self-service password reset (SSPR) in Azure AD
  + Password protection and management capabilities of Azure AD
* Access Management Capabilities of Azure AD
  + Conditional Access in Azure AD
  + Benefits of Azure AD roles and role-based access control
* The Identity Protection and Governance Capabilities of Azure AD
  + Identity governance in Azure AD
  + What are entitlement management and access reviews?
  + The capabilities of Privileged identity Management
  + Azure Identity Protection
* Basic Security Capabilities in Azure
  + Azure DDoS protection
  + Azure Firewall
  + Web Application Firewall
  + Network segmentation in Azure
  + Azure Network Security groups
  + Azure Bastion and JIT Access
  + Describe ways Azure encrypts data
* The Security Management Capabilities of Azure
  + Cloud security posture management
  + Microsoft Defender for Cloud
  + The enhanced security of Microsoft Defender for the Cloud
  + The Azure Security Benchmark and security baselines for Azure
* The Security Capabilities of Microsoft Sentinel
  + Define the concepts of SIEM and SOAR
  + Describe how Microsoft Sentinel provides integrated threat management
  + Understand Sentinel costs
* Threat protection with Microsoft 365 Defender
  + Microsoft 365 Defender services
  + Microsoft Defender for Office 365
  + Microsoft Defender for Endpoint
  + Microsoft Defender for Cloud Apps
  + Microsoft Defender for Identity
  + The Microsoft 365 Defender portal
* The Service Trust Portal and Privacy at Microsoft
  + The Service Trust Portal
  + Microsoft's privacy principles
  + Microsoft Priva
* The Compliance Management Capabilities in Microsoft Purview
  + The Microsoft Purview compliance portal
  + Compliance Manager
  + Describe use and benefits of compliance score
* Information Protection and Data Lifecycle Management in Microsoft Purview
  + Know your data, protect your data, and govern your data
  + Data classification capabilities of the compliance portal
  + Sensitivity labels and policies
  + Data loss prevention
  + Retention policies and retention labels
  + Records management
* Insider Risk Capabilities in Microsoft Purview
  + Insider risk management
  + Communication compliance
  + Information barriers
* The eDiscovery and Audit Capabilities of Microsoft Purview
  + The eDiscovery solutions in Microsoft Purview
  + The audit solutions in Microsoft Purview
* Describe Resource Governance Capabilities in Azure
  + Azure Policy
  + The use of Azure Blueprints
  + The capabilities in the Microsoft Purview governance portal
* Conclusion