

**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 computers 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 work well.

**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