

A comprehensive study guide that will provide you with great preparation tools for the SC-900: Microsoft Security, Compliance, and Identity Fundamentals

# SC-900 Official Course Study Guide

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## Introduction

Welcome to the SC-900 Study Guide. This guide will go over each topic of the skills outline, provided by Microsoft for the SC-900: Microsoft Security, Compliance, and Identity Fundamentals exam.

This certification is targeted to those looking to familiarize themselves with the fundamentals of security, compliance, and identity (SCI) across cloud-based and related Microsoft services.

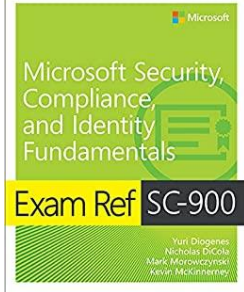
This is a broad audience that may include business stakeholders, new or existing IT professionals, or students who have an interest in Microsoft security, compliance, and identity solutions.

Candidates should be familiar with Microsoft Azure and Microsoft 365 and want to understand how Microsoft security, compliance, and identity solutions can span across these solution areas to provide a holistic and end-to-end solution.

### About the exam:

- Taking the exam will cost you \$165 US dollars.
- Microsoft certification exams are scored out of 1000 points. You need 700 points or higher to pass the SC-900 exam and gain your Microsoft Security, Compliance, and Identity Fundamentals badge.
- The SC-900 exam will need to be renewed every year. Microsoft will from time to time retire certifications, however, and you may also find exam numbers evolve when Microsoft changes the curriculum substantially for the certification.
- The exam will have around 55 questions for which you have 2.5h to answer.
- As of this moment of writing, there're no labs.

### Books/e-books:

	<p><b>Exam Ref SC-900 Microsoft Azure AI Fundamentals</b></p> <p>Exam Ref SC-900 Microsoft Azure AI Fundamentals offers professional-level preparation that helps candidates maximize their exam performance and sharpen their skills on the job. It focuses on the specific areas of expertise modern IT professionals need to demonstrate real-world mastery of common machine learning (ML) and artificial intelligence (AI) workloads and how to use them in Azure.</p> <p>Amazon.com: <a href="https://www.amazon.com/dp/9780137568109">Exam Ref SC-900 Microsoft Security Fundamentals: 9780137568109</a>: <a href="https://www.amazon.com/dp/9780137568109">Amazon.com: Books</a></p>
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	<p><b>Mastering Identity and Access Management with Microsoft Azure - Second Edition: Empower users by managing and protecting identities and data, 2nd Edition Paperback – 26 februari 2019</b></p> <p>Master powerful strategies to acquire and analyze evidence from real-life scenarios. Amazon.com: <a href="https://www.amazon.com/dp/9781789132304">Amazon.com: Mastering Identity and Access Management with Microsoft Azure: Empower users by managing and protecting identities and data, 2nd Edition (9781789132304): Nickel, Jochen: Books</a></p>
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**Video training:**

	<p>This always-up-to-date course completely covers the SC-900 exam from start to finish. Always updated with the latest requirements. This course goes over each requirement of the exam in detail. If you have no experience in Azure security or Microsoft 365 security, this is the course that will get you up to speed.</p> <p><a href="#">SC-900: Microsoft Security Fundamentals Exam Prep - JUN 2021   Udemy</a></p>
	<p>This path is structured to mimic the organization of the exam so you can more easily follow along during your study preparation.</p> <p><a href="#">Microsoft Security, Compliance, and Identity Fundamentals (SC-900) Path   Pluralsight</a></p>
	<p>2-hour study cram for the SC-900 exam. All the core concepts covered in the exam.</p> <p><a href="#">SC-900 Microsoft Security, Compliance, and Identity Fundamentals Study Cram - YouTube</a></p>
	<p>LinkedIn's Microsoft Azure Exam SC-900 Online Course helps Professionals to prepare themselves for the actual certification exam.</p> <p><a href="#">Microsoft Security, Compliance, and Identity Fundamentals (SC-900) Cert Prep: 1 Core Concepts (linkedin.com)</a></p> <p><a href="#">Microsoft Security, Compliance, and Identity Fundamentals (SC-900) Cert Prep: 2 Identity and Access Management (linkedin.com)</a></p>

## Microsoft Learn:


Those tutorial/paths have been combined by Microsoft and published for free. They contain a collection of text, videos, and exercises for the exam.

	<p><b>SC-900 part 1: Describe the concepts of security, compliance, and identity</b> Learn about core concepts, principles, and methodologies that are foundational to security, compliance, and identity solutions, including Zero-Trust, shared responsibility, the role of identity providers, and more.</p> <p><a href="#">SC-900 part 1: Describe the concepts of security, compliance, and identity - Learn   Microsoft Docs</a></p>
	<p><b>SC-900 part 2: Describe the capabilities of Microsoft Identity and access management solutions</b> Azure Active Directory is the tool for identity and access management in the Microsoft Cloud. Learn about Azure AD services and identity principals, secure authentication, access management capabilities, as well as identity protection and governance.</p> <p><a href="#">SC-900 part 2: Describe the capabilities of Microsoft Identity and access management solutions - Learn   Microsoft Docs</a></p>
	<p><b>SC-900 part 3: Describe the capabilities of Microsoft security solutions</b> Learn about security capabilities in Microsoft. Topics covered will include network and platform capabilities of Azure, Azure security management, and Sentinel. You'll learn about threat protection with Microsoft 365 Defender and Microsoft 365 security management.</p> <p><a href="#">SC-900 part 3: Describe the capabilities of Microsoft security solutions - Learn   Microsoft Docs</a></p>

	<p><b>SC-900 part 4: Describe the capabilities of Microsoft compliance solutions</b></p> <p>Learn about compliance solutions in Microsoft. Topics covered will include Compliance center, Information protection and governance in Microsoft 365, Insider Risk, audit, and eDiscovery solutions. Also covered are Azure resources governance capabilities.</p> <p><a href="#">SC-900 part 4: Describe the capabilities of Microsoft compliance solutions - Learn   Microsoft Docs</a></p>
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### Practice exams

Those are practice exams and not dumps. I do not encourage dumps as they ruin the certification value for everyone.

	<p><b>Whizlabs – Microsoft Azure Exam SC-900 Practice Tests</b></p> <p>Practice tests are designed by experts to simulate the real exam scenario. SC-900 questions are based on the exam syllabus outlined by official documentation. The questions that appear in each practice test are unique and not repeated in other practice tests. These practice tests are provided to the candidates to gain more confidence in exam preparation and self-evaluate them against the exam content.</p> <p>What's inside:</p> <ul style="list-style-type: none"> <li>• 2 Full-Length Mock Exams (110 Unique Questions)</li> <li>• Objective-based Practice Tests</li> <li>• Exhaustive Explanation with every question</li> <li>• Reports to assess strengths &amp; weaknesses</li> <li>• Unlimited Access</li> </ul> <p><a href="#">Microsoft Security, Compliance and Identity Fundamentals (SC-900) Certification   Practice Tests   Whizlabs</a></p>
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**This guide is divided up into the following sections and is also part of the exam:**

- Describe the concepts of security, compliance, and identity (5-10%)
- Describe the capabilities of Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra (25-30%)
- Describe the capabilities of Microsoft security solutions (30-35%)
- Describe the capabilities of Microsoft compliance solutions (25-30%)

Feel free to join our [Facebook Azure Study Group](#), or check out the Azure courses on [Udemy](#). Errors and suggestions can also be reported in the Azure Group on Facebook.

Thank you,

Software Architect Team  
Jordi Koenderink

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## Describe the Concepts of Security, Compliance, and Identity (5-10%)

### Describe security and compliance concepts

Describe the Zero-Trust methodology

[Zero Trust Guidance Center | Microsoft Learn](#)

Describe the shared responsibility model

[Shared responsibility in the cloud - Microsoft Azure | Microsoft Learn](#)

Define defense in depth

[Describe defense in depth - Training | Microsoft Learn](#)

Describe encryption and hashing

[Encryption in Microsoft 365 - Microsoft Purview \(compliance\) | Microsoft Learn](#)

[Azure encryption overview | Microsoft Learn](#)

Describe compliance concepts

[Microsoft Security, Compliance, and Identity Fundamentals: Describe the capabilities of Microsoft compliance solutions - Training | Microsoft Learn](#)

### Define identity concepts

Define identity as the primary security perimeter

[Define Identity as the primary security perimeter - Learn | Microsoft Docs](#)

[The Four Pillars of Identity - Identity Management in the Age of Hybrid IT - TechNet Articles - United States \(English\) - TechNet Wiki \(microsoft.com\)](#)

Define authentication

[What is Authentication - YouTube](#)

Define authorization

[What is Authorization? - Examples and definition - Auth0](#)

[Authentication vs. authorization - Microsoft identity platform | Microsoft Docs](#)

Describe what identity providers are

[What is an identity provider \(IdP\)? | Cloudflare](#)

[Identity providers for External Identities - Azure AD | Microsoft Docs](#)

Describe Active Directory

[Understanding Active Directory. What is Directory Service? | by Ravi Kumar | Medium](#)

Describe the concept of Federation

[What is federation with Azure AD? - Microsoft Entra | Microsoft Learn](#)

## Describe the capabilities of Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra (25–30%)

### Describe the basic identity services and identity types of Azure AD

Describe Azure Active Directory

[What is Azure Active Directory? - Azure Active Directory | Microsoft Docs](#)

[Describe what is Azure Active Directory - Learn | Microsoft Docs](#)

Describe Azure AD identities

[Describe Azure AD identity types - Learn | Microsoft Docs](#)

Describe hybrid identity

[Describe the concept of hybrid identities - Learn | Microsoft Docs](#)

Describe the different external identity types

[Describe the types of external identities - Learn | Microsoft Docs](#)

### Describe the authentication capabilities of Azure AD

Describe the different authentication methods available in Azure AD

[Describe the different authentication methods of Azure AD - Learn | Microsoft Docs](#)

[Authentication methods and features - Azure Active Directory | Microsoft Docs](#)

Describe self-service password reset

[Describe self-service password reset \(SSPR\) in Azure AD - Learn | Microsoft Docs](#)

[Self-service password reset deep dive - Azure Active Directory | Microsoft Docs](#)

Describe password protection and management capabilities available in Azure AD

[Describe password protection and management capabilities of Azure AD - Learn | Microsoft Docs](#)

[Password protection in Azure Active Directory | Microsoft Docs](#)

[Azure AD Password Protection - Azure Active Directory | Microsoft Docs](#)

Describe Multi-factor Authentication

[Describe Multi-factor authentication \(MFA\) in Azure AD - Learn | Microsoft Docs](#)

[Azure AD Multi-Factor Authentication overview | Microsoft Docs](#)

[Configure Azure AD Multi-Factor Authentication - Azure Active Directory | Microsoft Docs](#)

### Describe access management capabilities of Azure AD

Describe conditional access

[What is Conditional Access in Azure Active Directory? | Microsoft Docs](#)

[Describe conditional access and its benefits - Learn | Microsoft Docs](#)

[The Security Benefits of Conditional Access | The Endpoint Zone with Brad Anderson | Channel 9 \(msdn.com\)](#)

Describe the benefits of Azure AD roles

[What is Azure role-based access control \(Azure RBAC\)? | Microsoft Docs](#)

[Classic subscription administrator roles, Azure roles, and Azure AD roles | Microsoft Docs](#)

Describe the benefits of Azure AD role-based access control

[What is Azure role-based access control \(Azure RBAC\)? | Microsoft Learn](#)

**Describe the identity protection & governance capabilities of Azure AD**

Describe identity governance in Azure AD

[Identity Governance - Azure Active Directory | Microsoft Docs](#)

[Describe identity governance in Azure AD - Learn | Microsoft Docs](#)

Describe entitlement management and access reviews

[What is entitlement management? - Azure AD | Microsoft Docs](#)

[What are access reviews? - Azure Active Directory | Microsoft Docs](#)

[Describe what is entitlement management and access reviews - Learn | Microsoft Docs](#)

Describe the capabilities of Azure AD Privileged Identity Management (PIM)

[What is Privileged Identity Management? - Azure AD | Microsoft Docs](#)

[Describe the capabilities of Privileged identity Management - Learn | Microsoft Docs](#)

Describe Azure AD Identity Protection

[What is Azure Active Directory Identity Protection? - Microsoft Entra | Microsoft Learn](#)

[Risk policies - Azure Active Directory Identity Protection - Microsoft Entra | Microsoft Learn](#)

**Describe the capabilities of Microsoft Security Solutions (30-35%)**

**Describe basic security capabilities in Azure**

Describe Azure Network Security groups

[Azure network security groups overview | Microsoft Docs](#)

[Describe Azure Network Security groups - Learn | Microsoft Docs](#)

Describe Network Segmentation with VNet

[Plan Azure virtual networks | Microsoft Learn](#)

Describe Azure DDoS protection

[Describe Azure DDoS protection - Learn | Microsoft Docs](#)

[Azure DDoS Protection Standard Overview | Microsoft Docs](#)

Describe Azure Firewall

[Describe what is Azure Firewall - Learn | Microsoft Docs](#)

[What is Azure Firewall? | Microsoft Docs](#)

Describe Azure Bastion and JIT Access

[Describe what is Azure Bastion - Learn | Microsoft Docs](#)

[Azure Bastion | Microsoft Docs](#)

[Understanding just-in-time virtual machine access in Microsoft Defender for Cloud | Microsoft Learn](#)

Describe Web Application Firewall

[Describe what is Web Application Firewall - Learn | Microsoft Docs](#)

[Introduction to Azure Web Application Firewall | Microsoft Docs](#)

Describe ways Azure encrypts data

[Describe ways Azure encrypts data - Learn | Microsoft Docs](#)

[Azure encryption overview | Microsoft Docs](#)

**Describe security management capabilities of Azure**

Describe Cloud security posture management (CSPM)

[Cloud Security Posture Management \(CSPM\) with Azure Security Center \(microsoft.com\)](#)

[Cloud security posture management | Azure Security Center Part 2 \(microsoft.com\)](#)

Describe Microsoft Defender for Cloud

[Microsoft Defender for Cloud - an introduction | Microsoft Docs](#)

[Describe Microsoft Defender for Cloud - Learn | Microsoft Docs](#)

Describe enhanced security features of Microsoft Defender for Cloud

[Describe the enhanced security of Microsoft Defender for Cloud - Learn | Microsoft Docs](#)

[Microsoft Defender for servers - the benefits and features | Microsoft Docs](#)

Describe security baselines for Azure

[Describe security baselines for Azure - Learn | Microsoft Docs](#)

[Azure security baseline for Security Center | Microsoft Docs](#)

[Azure security baseline for Azure Resource Manager | Microsoft Docs](#)

[Azure security baseline for Azure Monitor | Microsoft Docs](#)

[Azure security baseline for Windows Virtual Desktop | Microsoft Docs](#)

[Azure security baseline for Virtual Network | Microsoft Docs](#)

**Describe security capabilities of Microsoft Sentinel**

Define the concepts of SIEM and SOAR

[Define the concepts of SIEM, SOAR, XDR - Learn | Microsoft Docs](#)

[SIEM, SOC, SOAR & XDR Defined - Blumira](#)

Describe how Microsoft Sentinel provides integrated threat protection

[Threat Protection - SIEM and XDR Tools | Microsoft Security](#)

[Describe how Microsoft Sentinel provides integrated threat protection - Learn | Microsoft Docs](#)

Describe threat protection with Microsoft 365 Defender

Describe Microsoft 365 Defender services

[Describe Microsoft 365 Defender services - Learn | Microsoft Docs](#)

[Microsoft 365 Defender | Microsoft Docs](#)

Describe Microsoft Defender for Identity

[What is Microsoft Defender for Identity? | Microsoft Docs](#)

[Describe Microsoft Defender for Identity - Learn | Microsoft Docs](#)

Describe Microsoft Defender for Office 365

[Describe Microsoft Defender for Office 365 - Learn | Microsoft Docs](#)

[Office 365 Security, Microsoft Defender for Office 365, EOP, MSDO - Office 365 | Microsoft Docs](#)

Describe Microsoft Defender for Endpoint

[Microsoft Defender for Endpoint | Microsoft Docs](#)

[Describe Microsoft Defender for Endpoint - Learn | Microsoft Docs](#)

Describe Microsoft for Cloud Apps

[What is Defender for Cloud Apps? | Microsoft Docs](#)

[Describe Microsoft Defender for Cloud Apps - Learn | Microsoft Docs](#)

Describe the Microsoft 365 Defender portal

[What is Microsoft 365 Defender? | Microsoft Learn](#)

**Describe the capabilities of Microsoft compliance solutions (25–30%)**

Describe Microsoft's Service Trust Portal and privacy principles

Describe the offerings of the Service Trust portal

[Data Protection with Microsoft Privacy Principles | Microsoft Trust Center](#)

Describe Microsoft's privacy principles

[Privacy – Microsoft privacy](#)

Describe the compliance management capabilities of Microsoft Purview

Describe the Microsoft Purview compliance portal

[Microsoft Purview compliance portal - Microsoft Purview \(compliance\) | Microsoft Learn](#)

Describe compliance manager

[Microsoft Purview Compliance Manager - Microsoft Purview \(compliance\) | Microsoft Learn](#)

Describe the use and benefits of compliance score

[Compliance score calculation - Microsoft Purview \(compliance\) | Microsoft Learn](#)

**Describe information protection and data lifecycle management capabilities of Microsoft Purview**

Describe data classification capabilities

[Learn about data classification - Microsoft 365 Compliance | Microsoft Docs](#)

[Describe data classification capabilities in the Microsoft 365 Compliance Center - Learn | Microsoft Docs](#)

Describe the benefits of content explorer and activity explorer

[Get started with content explorer - Microsoft 365 Compliance | Microsoft Docs](#)

[Get started with activity explorer - Microsoft 365 Compliance | Microsoft Docs](#)

Describe sensitivity labels

[Learn about sensitivity labels - Microsoft 365 Compliance | Microsoft Docs](#)

[Describe sensitivity labels and policies - Learn | Microsoft Docs](#)

Describe Data Loss Prevention (DLP)

[Describe data loss prevention - Learn | Microsoft Docs](#)

[Data Loss Prevention Reference - Microsoft 365 Compliance | Microsoft Docs](#)

[Data loss prevention | Microsoft Docs](#)

Describe Records Management

[Records Management in Microsoft 365 - Microsoft 365 Compliance | Microsoft Docs](#)

[Describe records management - Learn | Microsoft Docs](#)

Describe Retention Policies and Retention Labels

[Learn about retention policies & labels to automatically retain or delete content - Microsoft 365 Compliance | Microsoft Docs](#)

[Describe retention policies and retention labels - Learn | Microsoft Docs](#)

**Describe insider risk capabilities in Microsoft Purview**

Describe Insider Risk Management

[Describe the insider risk management solution - Learn | Microsoft Docs](#)

[Learn about insider risk management - Microsoft 365 Compliance | Microsoft Docs](#)

Describe communication compliance

[Describe communication compliance - Learn | Microsoft Docs](#)

[Learn about communication compliance - Microsoft 365 Compliance | Microsoft Docs](#)

Describe information barriers

[Describe information barriers - Learn | Microsoft Docs](#)

[Learn about information barriers in Microsoft 365 - Microsoft 365 Compliance | Microsoft Docs](#)

[Information barriers in Microsoft Teams - Microsoft Teams | Microsoft Docs](#)

Describe resource governance capabilities in Azure

Describe Azure Blueprints

[Overview of Azure Blueprints - Azure Blueprints | Microsoft Docs](#)

[Describe the use of Azure Blueprints - Learn | Microsoft Docs](#)

Describe Azure Policy

[Describe Azure Policy - Learn | Microsoft Docs](#)

[Overview of Azure Policy - Azure Policy | Microsoft Docs](#)

Describe the capabilities in the Microsoft Purview governance portal

[Introduction to Microsoft Purview governance solutions - Microsoft Purview | Microsoft Learn](#)