

# Study Guide

## Exam SC-900: Microsoft Security, Compliance, and Identity Fundamentals

### Purpose of this document

This study guide should help you understand what to expect on the exam and includes a summary of the topics the exam might cover and links to additional resources. The information and materials in this document should help you focus your studies as you prepare for the exam.

Useful links	Description
<a href="#">How to earn the certification</a>	Some certifications only require one exam, while others require more. On the details page, you'll find information about what skills are measured and links to registration. Each exam also has its own details page covering exam specifics.
<a href="#">Your Microsoft Learn profile</a>	Connecting your certification profile to Learn brings all your learning activities together. You'll be able to schedule and renew exams, share and print certificates, badges and transcripts, and review your learning statistics inside your Learn profile.
<a href="#">Passing score</a>	All technical exam scores are reported on a scale of 1 to 1,000. A passing score is 700 or greater. As this is a scaled score, it may not equal 70% of the points. A passing score is based on the knowledge and skills needed to demonstrate competence as well as the difficulty of the questions.
<a href="#">Exam sandbox</a>	Are you new to Microsoft certification exams? You can explore the exam environment by visiting our exam sandbox. We created the sandbox as an opportunity for you to experience an exam before you take it. In the sandbox, you can interact with different question types, such as build list, case studies, and others that you might encounter in the user interface when you take an exam. Additionally, it includes the introductory screens, instructions, and help topics related to the different types of questions that your exam might include.

Useful links	Description
	It also includes the non-disclosure agreement that you must accept before you can launch the exam.
<a href="#">Request accommodations</a>	We're committed to ensuring all learners are set up for success. If you use assistive devices, require extra time, or need modification to any part of the exam experience, you can request an accommodation.
<a href="#">Take a practice test</a>	Taking a practice test is a great way to know whether you're ready to take the exam or if you need to study a bit more. Subject-matter experts write the Microsoft Official Practice Tests, which are designed to assess all exam objectives.

## Objective domain: skills the exam measures

The English language version of this exam was updated on July 29, 2022.

Some exams are localized into other languages, and those are updated approximately eight weeks after the English version is updated. Other available languages are listed in the **Schedule Exam** section of the **Exam Details** webpage. If the exam isn't available in your preferred language, you can request an additional 30 minutes to complete the exam.

### Note

The bullets that follow each of the skills measured are intended to illustrate how we are assessing that skill. Related topics may be covered in the exam.

### Note

Most questions cover features that are general availability (GA). The exam may contain questions on Preview features if those features are commonly used.

## Skills measured

- Describe the concepts of security, compliance, and identity (10–15%)
- Describe the capabilities of Microsoft identity and access management solutions (25–30%)
- Describe the capabilities of Microsoft security solutions (25–30%)
- Describe the capabilities of Microsoft compliance solutions (25–30%)

## Functional groups

**Describe the concepts of security, compliance, and identity (10—15%)**

## **Describe security and compliance concepts**

- Describe the shared responsibility model
- Define defense in depth
- Describe the Zero-Trust model
- Describe encryption and hashing
- Describe compliance concepts

## **Define identity concepts**

- Define identity as the primary security perimeter
- Define authentication
- Define authorization
- Describe identity providers
- Describe Active Directory
- Describe the concept of Federation

## **Describe the capabilities of Microsoft Identity and Access Management Solutions (25—30%)**

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

- Describe Azure Active Directory
- Describe Azure AD identities
- Describe hybrid identity
- Describe the different external identity types

### **Describe the authentication capabilities of Azure AD**

- Describe the authentication methods available in Azure AD
- Describe Multi-factor Authentication
- Describe self-service password reset
- Describe password protection and management capabilities available in Azure AD

### **Describe access management capabilities of Azure AD**

- Describe conditional access
- Describe the benefits of Azure AD roles.
- Describe the benefits of Azure AD role-based access control

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

- Describe identity governance in Azure AD
- Describe entitlement management and access reviews
- Describe the capabilities of Azure AD Privileged Identity Management (PIM)
- Describe Azure AD Identity Protection

## **Describe the capabilities of Microsoft Security solutions (25—30%)**

### **Describe basic security capabilities in Azure**

- Describe Azure DDoS protection
- Describe Azure Firewall
- Describe Web Application Firewall
- Describe Network Segmentation with VNet
- Describe Azure Network Security groups
- Describe Azure Bastion and JIT Access
- Describe ways Azure encrypts data

### **Describe security management capabilities of Azure**

- Describe Cloud security posture management (CSPM)
- Describe Microsoft Defender for Cloud
- Describe the enhanced security features of Microsoft Defender for Cloud
- Describe security baselines for Azure

### **Describe security capabilities of Microsoft Sentinel**

- Define the concepts of SIEM and SOAR
- Describe how Microsoft Sentinel provides integrated threat management

### **Describe threat protection with Microsoft 365 Defender**

- Describe Microsoft 365 Defender services
- Describe Microsoft Defender for Identity (formerly Azure ATP)
- Describe Microsoft Defender for Office 365 (formerly Office 365 ATP)
- Describe Microsoft Defender for Endpoint (formerly Microsoft Defender ATP)
- Describe Microsoft Defender for Cloud Apps
- Describe the Microsoft 365 Defender portal

## **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
- Describe Microsoft's privacy principles

### **Describe the compliance management capabilities of Microsoft Purview**

- Describe the Microsoft Purview compliance portal
- Describe compliance manager
- Describe the use and benefits of compliance score

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

- Describe data classification capabilities
- Describe the benefits of content and activity explorer
- Describe sensitivity labels
- Describe Data Loss Prevention (DLP)
- Describe Records Management
- Describe Retention Policies and Retention Labels

## Describe insider risk capabilities in Microsoft Purview

- Describe Insider Risk Management
- Describe communication compliance
- Describe information barriers

## Describe resource governance capabilities in Azure

- Describe Azure Policy
- Describe Azure Blueprints
- Describe the capabilities in the Microsoft Purview governance portal

# Study Resources

We recommend that you train and get hands-on experience before you take the exam. We offer self-study options and classroom training as well as links to documentation, community sites, and videos.

Study resources	Links to learning and documentation
Get trained	<a href="#">Choose from self-paced learning paths and modules or take an instructor led course</a>
Find documentation	<a href="#">Microsoft security documentation   Microsoft Docs</a> <a href="#">Microsoft Purview   Microsoft Docs</a>
Ask a question	<a href="#">Microsoft Q&amp;A   Microsoft Docs</a>
Get community support	<a href="#">Security, compliance, and identity community hub</a>
Follow Microsoft Learn	<a href="#">Microsoft Learn - Microsoft Tech Community</a>
Find a video	<a href="#">Microsoft Learn Shows</a>