

# SC-300: Microsoft Identity & Access Administrator

Duration: 4 Days

## Course Content:

SC-300: Microsoft Identity & Access Administrator training course is for all the identity and access administrators willing to take the associated certification exam. The professionals who are already performing the identity and access administration task need this course. The course is designed to offer them the skills required for implementing identity management solutions.

All these solutions come based on the Microsoft Azure AD. The course also involves the identity content for Azure AD, enterprise application registration, conditional permissions, identity, governance, and any other tools relating to identity. The basic skills that professionals will learn are implementing an identity management solution, implementing authentication and access management programs, access management for applications, and the strategies about identity governance.

After completing Microsoft Identity & Access Administrator course, professionals will find themselves as identity and access administrators and security engineers.

This training is designed based on the objectives of the course variant SC-300T00-A.

## Who should attend?

This course is for the Identity and Access Administrators who are planning to take the associated certification exam, or who are performing identity and access administration tasks in their day-to-day job.

This course would also be helpful to an administrator or engineer that wants to specialize in providing identity solutions and access management systems for Azure-based solutions; playing an integral role in protecting an organization.

## Prerequisites for this training

### Required

- Security best practices and industry security requirements such as defense in depth, least privileged access, shared responsibility, and zero trust model.
- Be familiar with identity concepts such as authentication, authorization, and active directory.
- Have some experience deploying Azure workloads. This course does not cover the basics of Azure administration, instead, the course content builds on that knowledge by adding security-specific information.
- Some experience with Windows and Linux operating systems and scripting languages is helpful but not required. Course labs may use PowerShell and the CLI.



## Recommended

- [AZ-104T00: Microsoft Azure Administrator](#)
- [SC-900T00: Microsoft Security, Compliance, and Identity Fundamentals](#)

## Course Objectives

- Implement an identity management solution
- Implement authentication and access management solutions
- Implement access management for apps
- Plan and implement an identity governance strategy

## Detailed Course Outline

### Module 1: Implement an identity management solution

Learn to create and manage your initial Azure Active Directory (Azure AD) implementation and configure the users, groups, and external identities you will use to run your solution.

- Implement Initial configuration of Azure AD
- Create, configure, and manage identities
- Implement and manage external identities
- Implement and manage hybrid identity

**Lab:** Manage user roles

**Lab:** Setting tenant-wide properties

**Lab:** Assign licenses to users

**Lab:** Restore or remove deleted users

**Lab:** Add groups in Azure AD

**Lab:** Change group license assignments

**Lab:** Change user license assignments

**Lab:** Configure external collaboration

**Lab:** Add guest users to the directory

**Lab:** Explore dynamic groups

After completing this module, students will be able to:

- Deploy an initial Azure AD with custom settings
- Manage both internal and external identities
- Implement a hybrid identity solution



## Module 2: Implement an authentication and access management solution

Implement and administer your access management using Azure AD. Use MFA, conditional access, and identity protection to manager your identity solution.

- Secure Azure AD user with MFA
- Manage user authentication
- Plan, implement and administer conditional access
- Manage Azure AD identity protection

**Lab:** Enable Azure AD MFA

**Lab:** Configure and deploy self-service password reset (SSPR)

**Lab:** Work with security defaults

**Lab:** Implement conditional access policies, roles, and assignments

**Lab:** Configure authentication session controls

**Lab:** Manage Azure AD smart lockout values

**Lab:** Enable sign-in risk policy

**Lab:** Configure Azure AD MFA authentication registration policy

After completing this module, students will be able to:

- Configure and manage user authentication including MFA
- Control access to resources using conditional access
- Use Azure AD Identity Protection to protect your organization

## Module 3: Implement access management for Apps

Explore how applications can and should be added to your identity and access solution with application registration in Azure AD.

- Plan and design the integration of enterprise for SSO
- Implement and monitor the integration of enterprise apps for SSO
- Implement app registration

**Lab:** Implement access management for apps

**Lab:** Create a custom role to management app registration

**Lab:** Register an application

**Lab:** Grant tenant-wide admin consent to an application

**Lab:** Add app roles to applications and receive tokens

After completing this module, students will be able to:

- Register a new application to your Azure AD
- Plan and implement SSO for enterprise application
- Monitor and maintain enterprise applications



#### **Module 4: Plan and implement an identity governance strategy**

Design and implement identity governance for your identity solution using entitlement, access reviews, privileged access, and monitoring your Azure Active Directory (Azure AD).

- Plan and implement entitlement management
- Plan, implement, and manage access reviews
- Plan and implement privileged access
- Monitor and maintain Azure AD

**Lab:** Create and manage a resource catalog with Azure AD entitlement

**Lab:** Add terms of use acceptance report

**Lab:** Manage the lifecycle of external users with Azure AD identity governance

**Lab:** Create access reviews for groups and apps

**Lab:** Configure PIM for Azure AD roles

**Lab:** Assign Azure AD role in PIM

**Lab:** Assign Azure resource roles in PIM

**Lab:** Connect data from Azure AD to Azure Sentinel

After completing this module, students will be able to:

- Manage and maintain Azure AD from creation to solution
- Use access reviews to maintain your Azure AD
- Grant access to users with entitlement management

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