



# AZ-010T00: Azure® Administration for AWS SysOps

Duration: 2 Days

Method: Instructor-Led Training (ILT) | Live Online Training

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**Certification:** Microsoft® Certified: Azure Administrator Associate — **Exam:** AZ-104: Microsoft Azure Administrator

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## Course Description

This course will help participants learn how Azure is different from AWS, and how Azure is administered. The course combines lecture with hands-on practical exercises and discussion/review. During the course, participants will build an end-to-end architecture that demonstrates the main features discussed.

## Target Audience

This course is intended for:

- IT Professional who has one to two years of experience in AWS deployment, management, and operations.
- Persons who are interested in taking the *above-listed certification* exam, or the *AZ-900 Azure Fundamentals* exam.

## Prerequisites

To attend this course, candidates must have:

- Experience in operating systems, virtualization, cloud infrastructure, storage structures, identity solutions, and networking. Specifically, they should have:
  - Working knowledge of how to construct CLI commands, including using the help pages to determine appropriate parameters and command structure.
  - Understanding of virtual network concepts, Domain Name System (DNS), virtual private networks (VPNs), firewalls, gateways, and encryption technologies.
  - Understanding of virtual machines, how they are used, and configuration options like CPU performance and disks.
  - Understanding virtual storage concepts such as storage accounts, blobs, file shares, and disk types.
  - Understanding of governance concepts, including role-based access control, identity management, and identity protection.



## Course Objectives

Upon successful completion of this course, attendees will be able to:

- Understand the tools and principal concepts needed to administer Azure.
- Use Azure networking features.
- Configure and monitor Azure virtual machines.
- Understand Azure storage features and implementation
- Understand Azure identity solutions.

## Course Topics

### Module 1: Azure Administration

- Resource Manager
- Resource Groups
- Azure Portal
- Azure CLI
- Azure Templates
- Cloud Shell
- Azure Marketplace
- Azure PowerShell®

### Module 2: Azure Networking

- Azure Regions
- Virtual Networks and Subnets
- IP Addressing
- Network Security Groups
- Virtual Network Peering
- VNet-to-VNet Connections
- ExpressRoute
- Load Balancers
- Network Watcher

### Module 3: Azure Compute

- Azure Virtual Machines
- Creating Virtual Machines
- Virtual Machine Sizes
- Virtual Machine Disks
- Availability Zones
- Availability Sets
- Windows® VM Connections

- Linux VM Connections
- Azure Monitor
- Azure Alerts

### Module 4: Azure Storage

- Storage Accounts
- Blob Storage
- Blob Performance Tiers
- File Shares, File Sync
- Data Box
- Content Delivery Network
- Shared Access Signatures
- Service Endpoints

### Module 5: Azure Identity

- Azure Domains
- Role-Based Access Control (RBAC)
- Azure Active Directory® (AD)
- Multi-Factor Authentication
- Azure AD Identity Protection
- Azure Policy

## LABS INCLUDED

