

## Microsoft Azure Administrator

### Referencia

AZ-103

### Duración (horas)

24

### Última actualización

20 mayo 2019

### Modalidades

Presencial, OpenClass®, a medida

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## Introducción

This exam is the only requirement for Microsoft Certified Azure Administrator Associate certification. Microsoft Azure Administrators manage cloud services that span storage, security, networking, and compute cloud capabilities. Candidates have a deep understanding of each service across the full IT lifecycle, and take requests for infrastructure services, applications, and environments. They make recommendations on services to use for optimal performance and scale, as well as provision, size, monitor, and adjust resources as appropriate.

Candidates for this exam should have proficiency in using PowerShell, the Command Line Interface, Azure Portal, ARM templates, operating systems, virtualization, cloud infrastructure, storage structures, and networking.

## Objetivos

This exam measures your ability to accomplish the technical tasks listed below:

- Manage their Azure subscriptions
- Create and scale virtual machines
- Implement storage solutions
- Configure virtual networking
- Back up and share data
- Connect Azure and on-premises sites
- Manage network traffic
- Implement Azure Active Directory
- Secure Identities
- Monitor your solution

## Perfil de los alumnos

Azure Administrators that need to manage the cloud services that span storage, networking, and compute cloud capabilities, with a deep understanding of each service across the full IT lifecycle. They take end-user requests for new cloud applications and make recommendations on services to use for optimal performance and scale, as well as provision, size, monitor and adjust as appropriate. This role requires communicating and coordinating with vendors. Azure Administrators that need to use the Azure Portal and as they become more proficient they use PowerShell and the Command Line Interface.

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## Requisitos previos

- Understanding of on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks
- Understanding of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies
- Understanding of Active Directory concepts, including domains, forests, domain controllers, replication, Kerberos protocol, and Lightweight Directory Access Protocol (LDAP)
- Understanding of resilience and disaster recovery, including backup and restore operations

## Metodología

Active and participatory course through demonstrations, practical exercises and clinical analysis of users of all the theoretical topics taught by the instructor in order to deal with real cases of the related product. The trainer will also use different dynamics that allow group work in the classroom as challenges, evaluation exams and real cases to prepare for the associated Microsoft certification exam, if there is one.

## Certificación

Continual evaluation based on group and individual activities. The faculty will give continuous feedback and at the end of the activities to each participant.

Conditions of additional certification services are subject to the terms of the license owner or of the authorized certification authority.

## Profesorado

Our team of highly qualified instructors combine training activities with the development of their profession as experts in the field of IT. Professionals certified by the major manufacturers capable of transferring an enjoyable and easy to understand technical concepts more abstract.

## Documentación

The students will receive a digital copy of each courses related to this exam.

## Contenidos

### Course AZ-103T00: Microsoft Azure Administrator

#### 1. Azure Administration

- Azure Portal and Cloud Shell
- Azure PowerShell and CLI
- Resource Manager
- ARM Templates

#### 1. Azure Virtual Machines

- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability

- Virtual Machine Extensions
- 2. Azure Storage**
  - Storage Accounts
  - Azure Blobs
  - Azure Files
  - Storage Security
- 3. Virtual Networking**
  - Virtual Networks
  - IP Addressing and Endpoints
  - Azure DNS
  - Network Security Groups
- 4. Intersite Connectivity**
  - VNet Peering
  - VNet-to-VNet Connections
  - ExpressRoute Connections
- 5. Monitoring**
  - Azure Monitor
  - Azure Alerts
  - Log Analytics
  - Network Watcher
- 6. Data Protection**
  - Data Replication
  - File and Folder Backups
  - Virtual Machine Backups
- 7. Network Traffic Management**
  - Network Routing
  - Azure Load Balancer
  - Azure Traffic Manager
- 8. Azure Active Directory**
  - Azure Active Directory
  - Azure AD Connect
  - Azure AD Join
- 9. Securing Identities**
  - Multi-Factor Authentication
  - Azure AD Identity Protection
  - Self-Service Password Reset
- 10. Governance and Compliance**
  - Subscriptions and Accounts
  - Role-Based Access Control (RBAC)
  - Users and Groups
  - Azure Policy
- 11. Data Services**
  - Content Delivery Network
  - File Sync
  - Import and Export Service
  - Data Box

## Acreditación

Se emitirá Certificado de Asistencia sólo a los alumnos con una asistencia superior al 75% y Diploma aprovechamiento si superan también la prueba de evaluación.