

 Azure
ADMINISTRATORPROFESSIONAL
CERTIFICATION**45**
HOURS

PROGRAM SUMMARY

Azure Administrators manage cloud services that span storage, security, networking, and compute cloud capabilities. They have a deep understanding of each service across the full IT lifecycle, and take requests for infrastructure services, applications, and environments; and 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.

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Supported By
**Tamkeen Basic Skills
& Professional
Certification Schemes**

OBJECTIVES

- Manage Azure subscriptions and resources (15-20%)
- Implement and manage storage (15-20%)
- Deploy and manage virtual machines (VMs) (15-20%)
- Configure and manage virtual networks (30-35%)
- Manage identities (15-20%)
- Deploy and Manage role based Access (5-10%)



MODULES

Module 1: Azure Administration

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

Module 2: Azure Virtual Machines

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

Module 3: Azure Storage

- Storage Accounts
- Azure Blobs
- Azure Files
- Storage Security

Module 4: Virtual Networking

- Virtual Networks
- IP Addressing and Endpoints
- Azure DNS
- Network Security Groups

Module 5: Intersite Connectivity

- VNet Peering
- VNet-to-VNet Connections
- ExpressRoute Connect

Module 6: Monitoring

- Azure Monitor
- Azure Alerts
- Log Analytics
- Network Watcher

Module 7: Data Protection

- Data Replication
- File and Folder Backups
- Virtual Machine Backup

Module 8: Network Traffic Management

- Network Routing
- Azure Load Balancer
- Azure Traffic Manager

Module 9: Azure Active Directory

- Azure Active Directory
- Azure AD Connect
- Azure AD Join

Module 10: Securing Identities

- Multi-Factor Authentication
- Azure AD Identity Protection
- Self-Service Password Reset

Module 11: Governance and Compliance

- Subscriptions and Accounts
- Role-Based Access Control (RBAC)
- Users and Groups
- Azure Policy

Module 12: Data Services

- Content Delivery Network
- File Sync
- Import and Export Service
- Data Box

- Azure administration certification will provide -360degree management of azure portal
- Participants will gain necessary skills, to manage an enterprise cloud-based organization
- Equip the participant with the techniques to undertake and handle role-based accessibility for cloud apps
- Widen the scope for career growth and expansion/migration of cloud projects

