

Azure Administration

Learn how to:

- Manage Azure subscriptions
- Secure identities
- Administer the networking infrastructure
- Configure virtual networking
- Connect Azure and on-premises sites
- Manage network traffic
- Implement storage solutions
- Create, and scale virtual machines
- Implement web apps and containers
- Back up and share data
- Monitor your solution

Pre-Requisites:

Delegates should have strong experience in implementing and managing Windows Servers, Active Directory and TCP/IP networks.

Duration:

4 Days

Identity

Azure Active Directory
Users and Groups
Manage Azure Active Directory
Identities
Secure and manage identities
with Azure Active Directory
Implement and manage users
and groups

Governance and Compliance

Understanding Subscriptions and
Accounts
Understanding Azure Policy
Manage Governance via Azure
Policy
Implement and manage Azure
subscriptions and accounts
Implement Azure Policy, including
custom policies
Use Role-based Access Control
(RBAC) to assign permissions

Azure Administration

Manage Azure resources by Using
the Azure Portal
Manage Azure resources by Using
ARM Templates
Manage Azure resources by Using
Azure PowerShell
Manage Azure resources by Using
Azure CLI
Leverage Azure Resource
Manager to organize resources
Use the Azure Portal and Cloud
Shell
Use Azure PowerShell and CLI
Use ARM Templates to deploy
resources

Virtual Networking

Implement Virtual Networking
Implement virtual networks and
subnets
Configure public and private IP
addressing
Configure network security
groups
Configure Azure Firewall
Configure private and public DNS
zones

Intersite Connectivity

ExpressRoute and Virtual WAN
Implement Intersite Connectivity
Configure VNet Peering
Configure VPN gateways
Choose the appropriate intersite
connectivity solution

Network Traffic Management

Traffic Manager
Implement Traffic Management
Configure network routing,
custom routes and service
endpoints
Configure an Azure Load Balancer
Configure and Azure Application
Gateway
Choose the appropriate network
traffic solution

Azure Storage

Create Azure storage accounts
Configure blob containers
Secure Azure storage
Configure Azure files shares and
file sync
Manage storage with tools such
as Storage Explorer
Azure Virtual Machines
Virtual Machine Planning
Creating Virtual Machines
Virtual Machine Availability
Virtual Machine Extensions
Manage virtual machines
Plan for virtual machine
implementations
Create virtual machines
Configure virtual machine
availability, including scale sets
Use virtual machine extensions

Serverless Computing

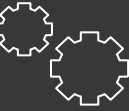
Implement Web Apps
Implement Azure Container
Instances
Implement Azure Kubernetes
Service
Create an app service plan
Create a web app
Implement Azure Container
Instances
Implement Azure Kubernetes
Service

Data Protection

File and Folder Backups
Virtual Machine Backups
Implement Data Protection
Backup and restore file and
folders
Backup and restore virtual
machines

Monitoring

Implement Monitoring
Use Azure Monitor
Create Azure alerts
Query using Log Analytics
Use Network Watcher



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IT Training

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