About this Course

Course Description

This course teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the 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, and monitor your solution.

Level: Intermediate

Audience

This course is for Azure Administrators. Azure Administrators 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 use the Azure Portal and as they become more proficient they use PowerShell and the Command Line Interface.

Prerequisites

Successful Azure Administrators start this role with experience in virtualization, networking, identity, and storage.

- Understanding on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.

- Understanding network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.

- Understanding Active Directory concepts, including users, groups, and role-based access control.

- Understanding resilience and disaster recovery, including backup and restore operations.

You can gain the prerequisites and a better understanding of Azure by taking **AZ-104: Prerequisites for Azure Administrators**. This free online training will give you the experience you need to be successful in this course.

Expected learning

- Secure identities with Azure Active Directory and users and groups.

- Manage subscriptions, accounts, Azure policies, and Role-Based Access Control.

- Administer Azure using the Resource Manager, Azure portal, Cloud Shell, Azure PowerShell, CLI, and ARM templates.

- Configure virtual networks including planning, IP addressing, Azure DNS, Network Security Groups, and Azure Firewall.

- Configure intersite connectivity solutions like VNet Peering, virtual network gateways, and Site-to-Site VPN connections.

- Manage network traffic using network routing and service endpoints, Azure load balancer, and Azure Application Gateway.

- Implement, manage and secure Azure storage accounts, blob storage, and Azure files with File Sync.

- Plan, create, and scale virtual machines.

- Administer Azure App Service, Azure Container Instances, and Kubernetes.

- Backup files, folders, and virtual machines.

- Monitor the Azure infrastructure with Azure Monitor, Azure alerts, Log Analytics, and Network Watcher.