Syllabus

The course content includes a mix of content, demonstrations, hands-on labs, reference links, and knowledge check questions.

Module 01 - Administer Identity

In this module, you will learn how to secure identities with Azure Active Directory, and implement users and groups. This module includes:

- Configure Azure Active Directory
- Configure User and Group Accounts
- Lab 01 - Manage Azure Active Directory Identities

Module 02 â€" Administer Governance and Compliance

In this module, you will learn about managing your subscriptions and accounts, implementing Azure policies, and using Role-Based Access Control. This module includes:

- Configure Subscriptions and Accounts
- Configure Azure Policy
- Configure Role-Based Access Control (RBAC)
- Lab 02a - Manage Subscriptions and RBAC
- Lab 02b - Manage Governance via Azure Policy

Module 03 â€" Administer Azure Resources

In this module, you will learn about the tools an Azure Administrator uses to manage their infrastructure. This includes the Azure Portal, Cloud Shell, Azure PowerShell, CLI, and Resource Manager Templates. This module includes:

- Configure Resources with Tools
- Use Azure Resource Manager
- Configure Resources with ARM Templates
- Lab 03a - Manage Azure resources by Using the Azure Portal
- Lab 03b - Manage Azure resources by Using ARM Templates
- Lab 03c - Manage Azure resources by Using Azure PowerShell (optional)
- Lab 03d - Manage Azure resources by Using Azure CLI (optional)

Module 04 â€" Administer Virtual Networking

In this module, you will learn about basic virtual networking concepts like virtual networks and subnetting, IP addressing, Azure DNS, network security groups, and Azure Firewall. This module includes:

- Configure Virtual Networks
- Configure Network Security Groups
- Configure Azure Firewall
- Configure Azure DNS
- Lab 04 - Implement Virtual Networking

Module 05 â€" Administer Intersite Connectivity

In this module, you will learn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and VPN Gateway Connections. This module includes:

- Configure VNet Peering
- Configure VPN Gateway Connections
- Configure ExpressRoute and Virtual WAN
- Lab 05 - Implement Intersite Connectivity

Module 06 â€" Administer Network Traffic Management

In this module, you will learn about network traffic strategies including network routing and service endpoints, Azure Load Balancer, and Azure Application Gateway. This module includes:

- Configure Network Routing and Endpoints

- Configure Azure Load Balancer

- Configure Azure Application Gateway

- Lab 06 - Implement Traffic Management

Module 07 â€" Administer Azure Storage

In this module, you will learn about basic storage features including storage accounts, blob storage, Azure files and File Sync, storage security, and storage tools. This module includes:

- Configure Storage Accounts

- Configure Blob Storage

- Configure Storage Security

- Configure Azure Files and File Sync

- Configure Storage with Tools

- Lab 07 - Manage Azure storage

Module 08 â€" Administer Azure Virtual Machines

In this module, you will learn about Azure virtual machines including creating, availability and extensions. This module includes:

- Configure Virtual Machines

- Configure Virtual Machine Availability

- Configure Virtual Machine Extensions

- Lab 08 - Manage Virtual Machines

Module 09 - Administer PaaS Compute Options

In this module, you will learn administer computing features like Azure App Service, Azure Container Instances, and Kubernetes. This module includes:

- Configure Azure App Service Plans

- Configure Azure App Services

- Configure Azure Container Instances

- Configure Azure Kubernetes Services

- Lab 09a - Implement Web Apps

- Lab 09b - Implement Azure Container Instances

- Lab 09c - Implement Azure Kubernetes Service

Module 10 â€" Administer Data Protection

In this module, you will learn about backing up files and folders, and virtual machine backups. This module includes:

- Configure File and Folder Backups

- Configure Virtual Machine Backups

- Lab 10 - Implement Data Protection

Module 11 â€" Administer Monitoring

In this module, you will learn about monitoring your Azure infrastructure including Azure Monitor, alerting, and log analytics. This module includes:

- Configure Azure Monitor

- Configure Azure Alerts

- Configure Log Analytics

- Configure Network Watcher

- Lab 11 - Implement Monitoring