

AZ-104: MICROSOFT AZURE ADMINISTRATOR

Course Outline

1. Identity
 - a. Azure Active Directory
 - b. Users and Groups
 - c. Lab : Manage Azure Active Directory Identities
2. Governance and Compliance
 - . Subscriptions and Accounts
 - a. Azure Policy
 - b. Role-based Access Control (RBAC)
 - c. Lab : Manage Subscriptions and RBAC
 - d. Lab : Manage Governance via Azure Policy
3. Azure Administration
 - . Azure Resource Manager
 - a. Azure Portal and Cloud Shell
 - b. Azure PowerShell and CLI
 - c. ARM Templates
 - d. Lab : Manage Azure resources by Using the Azure Portal
 - e. Lab : Manage Azure resources by Using ARM Templates
 - f. Lab : Manage Azure resources by Using Azure PowerShell
 - g. Lab : Manage Azure resources by Using Azure CLI
4. Virtual Networking
 - . Virtual Networks
 - a. IP Addressing
 - b. Network Security groups
 - c. Azure Firewall
 - d. Azure DNS
 - e. Lab : Implement Virtual Networking
5. Intersite Connectivity
 - . VNet Peering
 - a. VPN Gateway Connections
 - b. ExpressRoute and Virtual WAN
 - c. Lab : Implement Intersite Connectivity
6. Network Traffic Management
 - . Network Routing and Endpoints
 - a. Azure Load Balancer
 - b. Azure Application Gateway
 - c. Traffic Manager

- d. Lab : Implement Traffic Management
- 7. Azure Storage
 - . Storage Accounts
 - a. Blob Storage
 - b. Storage Security
 - c. Azure Files and File Sync
 - d. Managing Storage
 - e. Lab : Manage Azure storage
- 8. Azure Virtual Machines
 - . Virtual Machine Planning
 - a. Creating Virtual Machines
 - b. Virtual Machine Availability
 - c. Virtual Machine Extensions
 - d. Lab : Manage virtual machines
- 9. Serverless Computing
 - . Azure App Service Plans
 - a. Azure App Service
 - b. Container Services
 - c. Azure Kubernetes Service
 - d. Lab : Implement Web Apps
 - e. Lab : Implement Azure Container Instances
 - f. Lab : Implement Azure Kubernetes Service
- 10. Data Protection
 - . File and Folder Backups
 - a. Virtual Machine Backups
 - b. Lab : Implement Data Protection
- 11. Monitoring
 - . Azure Monitor
 - a. Azure Alerts
 - b. Log Analytics
 - c. Network Watcher
 - d. Lab : Implement Monitoring