

Cloud Admin Course

Course Curriculum

Section 1: Manage Azure identities and governance

- Manage Azure AD objects
- Create users and groups
- Create Administrative Units
- Manage user and group properties
- Manage device settings
- Perform bulk user updates
- Manage guest accounts
- Configure Azure AD Join
- Configure self-service password reset

Section 2: Implement and manage storage

- Manage storage accounts
- Configure network access to storage accounts
- 2Create and configure storage accounts
- Generate shared access signature
- Manage access keys
- Implement Azure storage replication
- Configure Azure AD Authentication for a storage account

Section 3: Manage data in Azure Storage

- Export from Azure job
- Import into Azure job
- Install and use Azure Storage Explorer
- Copy data by using AZCopy
- Implement Azure Storage replication
- Configure blob object replication.

Section 4: Configure Azure files and Azure blob storage

- Create an Azure file share
- Create and configure Azure File Sync service
- Configure Azure blob storage
- Configure storage tiers for Azure blobs
- Configure blob lifecycle management

Section 5: Configure VMs

- Configure Azure Disk Encryption
- Move VMs from one resource group to another
- Manage VM sizes
- Add data discs
- Configure networking
- Redeploy VMs
- Configure high availability
- Deploy and configure virtual machine scale sets

Section 6: Create and configure containers

- Configure sizing and scaling for Azure Container Instances
- Configure container groups for Azure Container Instances
- Configure storage for Azure Kubernetes Service (AKS)
- Configure scaling for AKS
- Configure network connections for AKS
- Upgrade an AKS cluster

Section 7: Create and configure Azure App Service

- Create an App Service plan
- Configure scaling settings in an App Service plan
- Create an App Service
- Secure an App Service
- Configure custom domain names
- Configure backup for an App Service
- Configure networking settings
- Configure deployment settings

Section 8: Configure and manage virtual networking

- Implement and manage virtual networking
- Create and configure virtual networks, including peering
- Configure private and public IP addresses
- Configure user-defined network routes
- Configure endpoints on subnets
- Implement subnets
- Configure Azure DNS, including custom DNS settings and private or public DNS zones.

Section 9: Secure access to virtual networks

- Create security rules
- Associate a network security group (NSG) with a subnet or network interface
- Evaluate effective security rules
- Deploy and configure Azure Firewall
- Deploy and configure Azure Bastion

Section 10: Monitor and troubleshoot virtual networking

- Monitor on-premises connectivity
- Configure and use Azure Monitor for Networks
- Use Azure Network Watcher
- Troubleshoot external networking
- Troubleshoot virtual network connectivity
- Integrate an on-premises network with an Azure virtual network
- Create and configure Azure VPN Gateway
- Configure ExpressRoute
- Configure Azure Virtual WAN

Section 11: Monitor and back up Azure resources

- Monitor resources by using Azure Monitor
- Configure and interpret metrics
- Configure Azure Monitor logs
- Query and analyze logs
- Set up alerts and actions

Section 12: Implement backup and recovery

- Create a Recovery Services Vault
- Create a Backup vault
- Create and configure backup policy
- Perform backup and restore operations by using Azure Backup
- Perform site-to-site recovery by using Azure Site Recovery
- Configure and review backup report.