Subscription Management

1. Provisioning different Subscriptions like PAYG, EA Subscriptions etc
2. Managing different Azure Policies for different subscriptions
3. Making use of Management Groups in order to have proper governance in place
4. Provisioning subscriptions under same Azure AD tenant
5. Requesting different quotas for different services in azure subscription wise
6. Managing RBAC policies for subscription
7. Managing billing for an Azure subscription
8. Managing Service Administrator and Account Administrator role for an Azure subscription
9. Working with transfer of roles like Account Admin or Service Administrator
10. Applying billing limit alerts for an Azure subscription

Resource Group Management

1. Creation of Resource groups via Azure Portal or Powershell
2. Working with Tags/Locks on Azure Resource Group
3. Moving different Resources within Resource groups of same region and different regions
4. Managing RBAC policies for Resource groups

Virtual Machine Management

1. Creation of Azure VM with the help of Azure Portal or PowerShell
2. Creation of Azure VM in an Availability Set or Availability Zone with Portal or PowerShell
3. Creation of an Azure VM from an existing OS disk with the help of Azure portal or PowerShell
4. Migration of Azure VM within different VNets, Resource groups or different regions
5. Creation of Custom Image of an Azure VM using Managed Disks or Unmanaged Disks
6. Deployment of an Azure VM using Images
7. Troubleshooting Azure VM issues with the help of Boot Diagnostics, Serial Console, Redeploy, Guest diagnostics etc
8. Monitoring Azure VM alerts using Metrics & Action Groups
9. Adding additional NIC to an Azure VM
14. Adding an additional Address Space to an existing Azure VNeT

Azure Storage

1. Creating Azure Storage accounts like Standard/Premium, GPv1 or GPv2
2. Understanding the Replication options in Storage account for data redundancy purpose
3. Understanding the importance of using Standard Storage account and Premium Storage account
4. Working with blobs, tables, queues and file storage services
5. Migrating disks from Standard storage account to Premium storage account and vice-versa
6. Migrating disks from One storage account to another storage account of same region as well as different region
7. Protecting Azure Storage account with the help of Service endpoint or firewall
8. Managing external accesses to an Azure storage account with the help of Shared Access Signature
9. Creating Azure File shares and working with the quotas of an Azure file share
10. Managing different types of data in Azure Storage account with the help of Access tiers like Hot, Cool & Archive tiers
11. Using Storage Management tools like Azure Storage Explorer or Azcopy to manage the data management in Azure Storage account
12. Working with Disk Snapshots in Azure and restoring them in case of an issues
13. Understanding the importance of Soft Delete in Azure Storage account
14. Enabling/Disabling Azure Disk Encryption (ADE) on Azure VMs using Powershell

Recovery Services

1. Creating Recovery Services Vault using Azure Portal or Powershell
2. Configuring Azure Virtual Machine(s) backup in Recovery Services Vault
3. Configuring backups for Azure Virtual Machine(s) with encrypted disks
4. Configuring Files and Folders backup in Recovery Services Vault
5. Managing Backup Alerts for resources configured under Recovery Services Vault
6. Restoring Azure Virtual Machine(s) in case of an corruption or an adhoc request
7. Restoring the files and folders backup to the same machine or different machine in case of an corruption or an disaster
8. Restoring part of files from an backup in Recovery Services Vault

Azure SQL Database

1. Creating Azure SQL Servers and Azure SQL Databases in Azure with the help of Azure Portal or PowerShell
2. Configuring right pricing tier for an Azure SQL Database
3. Configuring Azure Elastic Pool for an Azure SQL Database for having flexibility in managing the DTUs
4. Configuring Geo Replication for an Azure SQL Database
5. Working with TDE with Azure Managed Keys or BYOK

Roles and responsibilities of an Azure Engineer

- Define cloud strategy, roadmap and business case for cloud adoption by assessing and analyzing on premise applications
- Define cloud architecture, design and implementation for hosting large, complex applications in Azure
- Implement proof of concepts to validate cloud concepts, architecture and requirements
- Develop power shell scripts and ARM templates to automate the provisioning and deployment process
- Define cloud network architecture using Azure virtual networks, VPN and express route to establish connectivity between on premise and cloud
- Setting up Virtual networks for creation of Virtual machines
- Configuration of Site to Site VPN for communication of multiple VNets
- Configure the appropriate VMs, storage and network in Azure to support the customer workloads moving to Azure
- Installing and Configuring different Tiers Virtual Machine for different Project needs
- Configure windows and non-windows (Linux) workloads in Azure
- Capturing an Image of a Virtual Machine for future needs
- Configuration of Availability Sets for redundancy
- Creation of Standard and Premium Storage accounts as per requirement
- Migration of data between different Storage accounts using Azcopy or Storage Explorer
- Creating Backup Vaults for backing up data on Cloud
- Creating Backup Plans for backing up entire Virtual Machines on Cloud
- Creation of Azure SQL Databases and granting access to the Users
- Configuration of Azure Active Directory to sync On-Premises AD Objects for SaaS Application
- Troubleshooting Sync issues with Azure Active Directory
- Creating SOPs & KEDBs for the implementation and troubleshooting on Azure
- Automating Regular BAU Azure activities with the help of Azure PowerShell