Subscription Management

* Provisioning different Subscriptions like Pay as you Go, EA Subscriptions etc.
* Managing different Azure Policies for different subscriptions
* Making use of Management Groups in order to have proper governance in place
* Provisioning subscriptions under same Azure AD tenant
* Requesting different quotas for different services in azure subscription wise
* Managing RBAC policies for subscription
* Managing billing for an Azure subscription
* Managing Service Administrator and Account Administrator role for an Azure subscription
* Working with transfer of roles like Account Admin or Service Administrator
* Applying billing limit alerts for an Azure subscription

Resource group Management

* Creation Of Resource groups via Azure Portal or PowerShell
* Working with Tags/Locks on Azure Resource Group
* Moving different Resources within Resource groups of same region and different regions
* Managing RBAC policies for Resource groups

Virtual Machine Management

* Creation Of Azure VM with the help Of Azure Portal or PowerSheII
* Creation of Azure VM in an Availability Set or Availability Zone with portal or PowerSheII
* Creation Of an Azure VM from an existing OS disk with the help Of Azure portal or PowerSheII
* Migration of Azure VM within different VNET’s, Resource groups or different regions
* Creation Of Custom Image of an Azure VM using Managed Disks or unmanaged Disks
* Deployment of an Azure VM using Images
* Troubleshooting Azure VM issues with the help Of Boot Diagnostics, Serial Console, Redeploy, Guest diagnostics etc.
* Monitoring Azure VM alerts using Metrics & Action Groups
* Adding additional NIC to an Azure VM
* Configuring Service Endpoints for different services in Azure for secure communication
* Configuring Custom DNS for adding VMS to the domain
* Extending an Address Space in case the Address Space gets exhausted
* Adding an additional Address Space to an existing Azure VNET

**Azure Storage**

* Creating Azure Storage accounts like Standard/premium, Gpv1 or Gpv2
* Understanding the Replication options in Storage account for data redundancy purpose
* Understanding the importance of using Standard Storage account and Premium Storage account
* Working with blobs, tables, queues and file storage services
* Migrating disks from Standard storage account to Premium storage account and vice-versa
* Migrating disks from One storage account to another storage account of same region as well as different region
* Protecting Azure Storage account with the help of Service endpoint or firewall
* Managing external accesses to an Azure storage account with the help of Shared Access Signature
* Creating Azure File shares and working with the quotas Of an Azure file share
* Managing different types of data in Azure Storage account with the help of Access tiers like Hot, COOI & Archive tiers
* Using Storage Management tools like Azure Storage Explorer or Azcopy to manage the data management in Azure Storage account
* Working With Disk Snapshots in Azure and restoring them in case Of an issues
* Understanding the importance of Soft Delete in Azure Storage account
* Enabling and Disabling Azure Disk Encryption (ADE) on Azure VMS using PowerShell

**Azure Recovery Services**

* Creating Recovery Services Vault using Azure Portal or PowerShell
* Configuring Azure Virtual Machine(s) backup in Recovery Services Vault Configuring backups for Azure Virtual Machine(s) with encrypted disks
* Configuring Files and Folders backup in Recovery Services Vault
* Managing Backup Alerts for resources configured under Recovery Services Vault
* Restoring Azure Virtual Machine(s) in case of a corruption or an adhoc request
* Restoring files and folders backup to the same machine or different machine in case of an corruption or an disaster
* Restoring part of files from a backup in Recovery Services Vault

**Azure SQL Database**

* Creating Azure SQL Servers and Azure SQL Databases in Azure with the help of Azure Portal or PowerShell
* Configuring right pricing tier for an Azure SQL Database
* Configuring Azure Elastic pool for an Azure SQL Database for having flexibility in managing the DTus
* Configuring Geo Replication for an Azure SQL Database
* Working with TOE with Azure Managed Keys or BYOK

Roles and responsibilities of an azure engineer

* Define cloud strategy, road map and business cases for cloud adoption by assessing and analyzing the premises 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 PowerShell scripts and arm templates to automate the provisioning and deployment process’s
* Define cloud network architecture using azure virtual networks VPN and Express route to establish connectivity between on-premises 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 VM’s, 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 as per requirement
* Migration of data between different storage accounts using AZCopy and storage explorer
* Creating backup for backing up data on cloud
* Creating backup plans for backing up entire virtual machines on the 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 SOP’s and KB’s for the implementation and troubleshooting on azure
* Automating regular BAU Azure activities with the help of azure PowerShell

All the Very best to you, Rate the course as 5 start.