

# MICROSOFT AZURE ADMINISTRATOR



## OUTCOMES:

- It is a role-based Microsoft certification
- Work with virtual machines and learn how they are architected and deployed in Azure.
- Understand virtual networking, IP addressing, and security work in the cloud, and compare this with on-premises setups.
- Utilize features including storage accounts, blob storage, Azure Files and File Sync, storage security, and storage tools.
- It will provide knowledge about Microsoft azure cloud platform and other cloud aspects.

## Digital stage

- Module 1 - Introduction to course
- Module 2 – Overview of Azure services
- Module 3 - Implementing Azure Network Security
- Module 4 - Getting Started with Azure Virtual Machines
- Module 5 - Getting Started with Azure Virtual Networks
- Module 6 - Introduction to Azure Storage Part 1
- Module 7 - Introduction to Azure Storage Part 2
- Module 8 - Implementing Azure Backup

## Introductions to Azure

- Manage resource groups

## Virtual network, virtual machines, network security groups:

- Create a virtual network
- Create a network security group
- Create application security groups

## Virtual network peering

- Add a new VNET

## Add a data disk, set a storage account file share on a virtual machine

- Add a new data disk to virtual machine
- Create a storage account
- Remote connect to the virtual machine
- Switch back to a storage account
- Switch back to a virtual machine

## Storage, extensions, and copy/create a virtual machine

- Create a storage account
- Add extensions to existing virtual machines
- Shutdown virtual machine
- Selecting disks
- Start both virtual machine

## Backup and restore

- Create Azure Recovery Service Vault
- Connect to a virtual machine (RDP)
- Install IIS with PowerShell
- Back up a virtual machine

## Apply at Work

- Create a report providing detail of one or more activities that you will undertake that incorporates one or more of the key concepts of Azure VMs, Azure networking, and Azure storage.
- Describe how effective utilization of the key concepts you have identified above will contribute to the successful completion of the planned activity.
- Describe how the above activity (or activities) aligns to the commonly recognized benefits of the infrastructure as a service (IaaS) deployment model

