

AZURE

Introduction to Cloud:

- Physical servers
- Overview of Virtualisation
- What is cloud
- Benefits of Cloud
- Types of cloud
- Why is cloud the future?
- Benefits of Azure over AWS
- PAAS/IAAS/SAAS

Microsoft Azure:

- Azure Account creation
- Discussing about various Azure components

Azure Virtual Machines:

- Overview
- Azure VM constraints
- VM creation demo
- Availability set
- Configure Multiple VM in an availability set
- High availability
- Fault domains
- Update domains
- Introduction to Storage account
- Introduction to Vnet
- Extension

Configure VM:

- Templates and Automation
- Configure files
- Auto scaling
- Deploy ARM (Azure Resource Manager) VM scale sets
- Configure ARM VM scale set Auto scale



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Azure Storage:

- **Configure Disk Caching**
- **Planning of storage capacity**
- **Configuring OS and shared storage**
- **Store data using block and page blob**
- **Configure Content Delivery Network (CDN)**
- **Storage Scaling**
- **Create and Manage shared Access Signature**
- **Azure SQL**

Virtual Networks:

- **Vnet creation**
- **Design Subnets**
- **Implement Application gateway**
- **Firewall rules**
- **User defined Routes**
- **Modification of subnet**
- **VPN devices**
- **Site-site VPN**
- **Point-site VPN**
- **Express gateway**

Load balancer:

- **Public load balancer**
- **Internal load balancer**
- **Creation of Load balancer**
- **Configuring Load balancer**

Azure Site Recovery:

- **Creation of vault**
- **Preparing Infrastructure**
- **Configuration server**



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Azure Migrate:

- Idea about Azure Migration
- Collector Appliance
- Analytics for Migration

Azure Active Directory:

- Implementing Azure AD connect
- Set up Azure AD
- Implement Single Sign on

Azure PAAS:

- What is PAAS
- Azure Websites
- Creation of an Azure Website
- Creation of Deployment slots
- Auto Swapping Configuration
- Configure Alerts
- Scaling Web apps
- Auto Scaling
- Instance Size Medications
- Configure Traffic Manager