

AZURE

COURSE SYLLABUS

Introduction to Cloud Computing:

Introduction

Characteristics and Benefits of Cloud Computing

Advantages of Cloud Computing

Introduction to Azure:

Introduction to Azure

Azure Services

Billing (subscriptions)

User management

Azure Web apps (App Services):

Introduction to App Services

Types

Configure web apps

Deploying web apps from visual studio

Debugging

Monitoring and Diagnosis

SQL Database

Introduction

SQL Servers

Creating SQL database from azure portal

Configure SQL Server from local SSMS environment

DTU (Database Transaction Unit)

Monitor and audit tracking

Security

Virtual Machines

[Introduction to VM](#)

[Create a new virtual machine](#)

[Installing tools for VM](#)

[Configure Web site in VM](#)

[Deploy Websites to VM from Visual studio](#)

Standard:

Including Basics

Azure Cloud services:

[Introduction to Cloud Service](#)

[Web Roles and Worker Roles](#)

[Developing Cloud Service Application with Web Role](#)

[Deploying Cloud Service Application](#)

[Production and Staging Slots](#)

[Using Azure Database in Cloud Service](#)

Adding Worker Role to the Solution

Azure Storage:

BLOBS

Tables

Queues

Files

Service Bus:

Introduction to Service Bus

Configure Service bus

Usage

Monitoring

Azure Virtual Networks:

Introduction to VPN

Virtual Network Benefits

Understanding Network Resources

Create a VPN using Azure Portal

Create a Subnet

Create a Network Security Group

Active Directory:

Azure AD Introduction

Managing Active Directories

Managing Users and Groups

Load Balancers:

Introduction

Load Balancing Traffics

Usage and Features of Load Balance

Deployment model

Advanced:

Including Basic and Standard

Azure Media Service:

[Media Service in Azure Portal](#)

[Media Services Development with .NET](#)

Azure with PowerShell:

[Introduction](#)

[Installation on PowerShell](#)

[Understanding and working with PowerShell](#)

Azure Web Jobs:

[Introduction to Web Jobs](#)

[Developing and Hosting Web Jobs Application](#)

[Azure Web Jobs SDK](#)

[Sample Application including Web Apps and Web Jobs](#)

App Service – Logic Apps:

[Introduction to Logic Apps](#)

[Creating an API App](#)

[Deploying an API App](#)

App Service – API Apps:

[Introduction to API Apps](#)

[Creating an API App](#)

[Deploying an API App](#)

[Using API App in Logic App](#)

IOT in Azure (Internet of Things):

[Introduction to IOT](#)

[Usage of IOT in azure](#)

[Event Hubs](#)

Developer Tools:

[Introduction](#)

[Team Service Accounts](#)

[Team Projects](#)

[Application Insights](#)

Advanced Topics

[Azure Backup](#)

[Create VMs using Customized image](#)

[Azure CLI](#)

[Azure Functions](#)

[Azure Managed Disks](#)

[Azure Cosmos DB](#)

[Azure Advisor](#)

[Azure Security Center](#)

[Azure Monitor](#)

[Azure Key Vault](#)

[Azure API Management](#)

[Azure Dev Test Labs](#)

[Azure AD](#)

[Recovery Services Vault](#)