

Microsoft Azure

DevOps (AZ-400)



Introduction To Cloud Computing

- What is Microsoft Azure?
- Microsoft Azure Services
- Creating a Microsoft Azure Account
- Azure CLI, Azure PowerShell
- Managing Azure Resources & Subscriptions
- Azure Resource Manager
- Microsoft Azure Architecture

Introduction to ARM & Azure Storage

- Azure Resources & Subscriptions
- Azure Resource Manager
- Managing Azure Resources
- Azure Tags
- Azure Storage Account & its types
- Azure Blob Storage
- Azure Content Delivery Network (CDN)
- Azure Files Storage
- Azure File Sync

Azure Virtual Machines

- Azure Virtual Machines
- Data Disks in Azure
- Azure VMs & Interfaces
- ARM templates
- VHD templates
- Custom Images of Azure VM
- Virtual Machine Scale Sets
- Virtual Machine Availability Sets

Azure App and Container services

Azure Networking - I

- Azure Virtual Networks
- Azure Vnet Components
- IP Address – Public & Private IPs
- Azure Vnet Subnets
- Azure Network Interface Cards (NIC)

- Network Security Group (NSG)
- Route Tables
- Service Tags
- Azure DNS
- Private DNS

Authentication and Authorization in Azure using RBAC

Microsoft Azure Active Directory

Azure Monitoring

Infrastructure Setup

- Ec2 Walkthrough

Installation of DevOps Tools on cloud

- Git
- Docker
- Maven
- Jenkins
- Puppet
- Ansible
- Kubernetes
- Nagios

Introduction to DevOps

- What is Software Development
- Software Development Life Cycle
- Traditional Models for SDLC
- Why DevOps?
- What is DevOps?
- DevOps Lifecycle
- DevOps Tools

Continuous Testing

- What is Continuous Testing?
- What is Maven?
- Running Test Cases on Chromium Web Driver
- What is Headless Mode?

Continuous Deployment: Containerization with Docker

- Introduction to Docker
- Understanding Docker Lifecycle
- Components of Docker Ecosystem
- Common Docker Operations
- Creating a DockerHub Account
- Committing changes in a Container
- Pushing a Container Image to DockerHub
- Creating Custom Docker Images using Dockerfile

Containerization with Docker: Ecosystem and Networking

Configuration Management using Puppet

Continuous Orchestration using Kubernetes

MAVEN

Azure DevOps and Azure Repos

- Azure Devops Architecture
- Key Features
- Azure Devops Tools
- Azure Devops Organizations And Projects
- Introduction To Azure Repos
- Compare Tfvc And Git
- Key Concepts In Azure Repos

Azure Artifacts and Azure Test Plans

- What Are Azure Artifacts
- Key Concepts In Artifacts
- Working With Packages
- Views And Upstream Sources

Azure Pipelines

Azure Boards

Terraform with Azure

Partners :



Java



development | consultancy | training

E-mail: info@ducatindia.com

Visit us: www.ducatindia.com

www.facebook.com/ducateducation

NOIDA

A-43 & A-52, Sector-16,
Noida - 201301, (U.P.) INDIA
☎ 70-70-90-50-90
☎ +91 99-9999-3213

GURGAON

1808/2, 2nd floor old DLF,
Near Honda Showroom,
Sec.-14, Gurgaon (Haryana)
☎ 70-70-90-50-90

GHAZIABAD

1, Anand Industrial Estate,
Near ITS College, Mohan Nagar,
Ghaziabad (U.P.)
☎ 70-70-90-50-90

PITAMPURA (DELHI)

Plot No. 366, 2nd Floor,
Kohat Enclave, Pitampura,
(Near- Kohat Metro Station)
Above Allahabad Bank,
New Delhi- 110034.
☎ 70-70-90-50-90

SOUTH EXTENSION (DELHI)

D-27, South Extension-1
New Delhi-110049
☎ 70-70-90-50-90
☎ +91 98-1161-2707