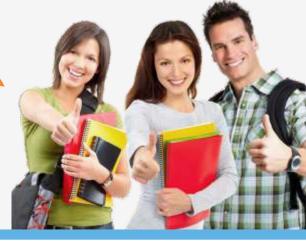
Microsoft Azure DevOps (AZ-400)



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





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NOIDA A-43 & A-52, Sector-16, Noida - 201301, (U.P.) INDIA ○ 70-70-90-50-90 □/(0 +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

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PITAMPURA (DELHI)

Kohat Enclave, Pitampura.

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Plot No. 366, 2nd Floor,

Above Allahabad Bank,

New Delhi- 110034.

V 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