

Course Content For Azure & Azure DevOps

Duration : 45- 60 days

40 to 60 hours

Microsoft Azure

- What is SDLC ?
- What is DevOps ?
- What is Cloud Computing ?
- What is IAAS , PAAS , SAAS?
- What is Azure?
- What is Management Groups & Subscriptions
- What is resource Groups and Resource Groups?
- Compute services: Virtual machines , Virtual Machine Scale Sets
- Availability set and Availability Zone
- Databases : MySQL, Azure sql, Postgres sql
- What is Container services, Container instances, Container Registries?
- Overview of Docker and container engines
- Writing Dockers file and creating the images
- Working with Docker registry
- Deployment using Containers/ Docker
- Azure Kubernetes service
- Overview of Kubernetes, Master, Nodes, Pods, Cluster
- Deployment using AKS
- Overview of Infrastructure as a code Terraform
- Overview of ARM Templates for Infrastructure as Automation
- Azure Networking in depth understanding
- What is Load Balancer
- What is vnet , Subnet for networking
- what is active directory and Service principle
- what is app services like function app, Logic App, Webapp
- securities related to App services
- understanding with App insights
- Working with key vault
- Storage account, cloud shell.

Azure Devops

- What is azure DevOps?
- Working with Azure boards , Creating Items, Sprints, end to end explation for tracking
- azure organizations and Projects?
- Working with Agile Methodology
- What is azure boards, sprints, backlogs, workitems?
- Working with Azure Dashboards for visualtion
- What is azure wiki
- What si azure repos
- Overview of Git , git commands
- Working with repos, branches
- Branching and merging strategys
- Brach policies, Repo policies, forking
- Working with Pull requests
- What si Azure pipelines
- Working with Azure classic Pipeline and yaml pipelines
- Working with release pipelines for Deployment
- Creating deployment groups. Environments, task groups.
- Working with agents and agent pools
- What is azure Artifactory?
- Connecting to the feed and getting the dependency packages
- What is azure Test plans
- Azure devopss for security like white source bolt and OWASP ZAP Integration.

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Note :

- course content will be covered with Practical sessions.
- Every Day one-hour session
- Interview question will be covered while taking the concept
- Assignment will be covered for FAQ's for the interviews.
- Realtime sceneriaos with Pipelines and troubleshooting