AWS DEVOPS TRAINING SYLLABUS

Linux Basics
- Shell
- Basic Commands
- Servers

Cloud Computing
- What Is Cloud Computing
- Important Features
- Types Of Cloud Computing IAAS/ PAAS/ SAAS

AWS Introduction
- History Of AWS
- Overview Of AWS Services
- AWS Account Creation

Identity and Access Management
- IAM
- User Creation Roles And Groups
- Policy, Account Settings
- AWS CLi Setup

S3
- Bucket
- Security/Encryption
- Lifecycle Management
- Version control
- Cross region Replication
- CDN
- Snowball Overview

Ec2
- Getting Started With Ec2
- Instances – AMIs, Families, Types
- Autoscaling
- EBS Volumes, Snapshots
- EFS
- Metadata/Userdata
- EC2 Lab – Instances, Volumes, Load Balancer, Autoscaling, EFS
- Bootstrap Scripts

VPC

- Introduction
- Building a custom VPC
- NAT
- ACL
- Load Balancer And Custom VPC
- Endpoints
- Bastion Host

Databases

- RDC
- Backups
- High Availability
- Read Replicas
- Dynamodb
- Redshift
- Elasticcache
- Aurora

Application Services

- R53
- SQs
- SNS
- Cloud watch
- Cloud trail
- SWF
- Elastic Transcoder
- Kinesis
- Lambda – Serverless

Highly Available and Fault Tolerant Architecture

- Concepts
- Design a HA and Fault Tolerant Architecture

DEVOPS ON AWS

- Introduction to DevOps and AWS
- AWS Services for DevOps
- Infrastructure as Code with AWS CloudFormation
- Continuous Integration and Continuous Delivery (CI/CD) with AWS CodePipeline and AWS CodeBuild
- Application Deployment and Management with AWS CodeDeploy
- Monitoring and Logging with AWS CloudWatch and AWS X-Ray

- Security and Compliance in AWS DevOps
- Troubleshooting and Debugging AWS Applications
- AWS Automation and Orchestration with AWS Step Functions
- AWS Serverless Architecture with AWS Lambda

Real-world DevOps Scenarios and Project on AWS