Automate AWS with Terraform

Duration: 24 Hrs

Course OverView:

The 3-days Instructor Led Automating AWS with Terraform, the participants can learn Infrastructure as a Code, Configuring Terraform for AWS, Initializing, formatting, Validating Terraform Infrastructure as a Code, Writing the Infrastructure as a code to Implement any Services in AWS

The Entire program goal is to make participants write infrastructure as a Code using terraform for Automating AWS Services this is executed 100% hands-On experience

Pre-Requisites:

Participants Must complete AWS Administration

Module Overview

Module-1 Deep Dive on Terraform Infrastructure as a Code

- Orchestrating a Case Study-Designing End to End Microsoft Azure Infrastructure Services
- Understanding Terraform Infrastructure as Code Infrastructure as Code for AWS
- Terraform Deployment workflow
- Installing Terraform
- Integrating terraform with AWS DEVOPS

Module-2 Deep Dive on Build terraform Infrastructure

- Derive Terraform Block to write terraform code
- Defining Resources and Providers

- Initializing the Terraform Configuration to Access the Terraform resources and Providers
- Format and Validating the Configuration
- Applying the Terraform Configuration

Module-3 Practicing to write Terraform to Create, Modify and Apply Azure Infrastructure Changes to deploy the Following Azure Services for Any business segments

- VPC
- EC2
- Storage
- AWS Load Balancers, gateways
- Route 53
- Elastic Bean Stalk
- AWS (EKS) Kubernetes
- AWS Security
- Application Workloads
- And many more

Module-4 Deploying terraform Code using AWS Devops

- Creating, Configuring and managing a Build pipeline for Terraform code
- Creating, Configuring and managing a Release pipeline for Terraform Code
- Enabling Continuous Integration and Continuous Deployment and Delivery using AWS DEVOPS