

Amazon Web Service Automation with Ansible and Terraform

Module 1: AWS Overview

- AWS Introduction
- AWS Cloud Service
- History and Evolution of AWS
- Overview of AWS Products and Services

Module 2: Identity Access Management(IAM)

- Identity and Access Management(IAM)
- Overview and Policies
- IAM Users, Groups, and Roles
- Configuring IAM Access and Permission
- IAM (Lab)

Module 3: AWS Object Storage AND CDN - S3, Glacier AND CloudFront

- Amazon Simple Storage Service(S3)
- S3 Overview and Buckets
- Create an S3 Bucket (Lab)
- Version Control (Lab)
- S3 Life Cycle Management & Glacier
- CloudFront
- Create a CDN (Lab)
- S3- Security and Encryption
- Import/Export

Module 4: Amazon Virtual Private Cloud(VPC)

- Introduction and Overview
- Build Your Own Custom VPC
- Network Address Translation (NAT)
- Access Control Lists (ACLs)

Module 5: Elastic Compute Cloud (EC2)

- Amazon EC2 Overview
- Amazon Machine Image(AMI)
- Launch an EC2 Instance
- Access EC2 Instance
- Security Groups Basics

- Volume and snapshots
- Create an AMI
- Load Balancer and Health Checks
- Cloud Watch EC2

Module 6: Databases

- Databases Overview
- Create RDS Instance (Lab)
- RDS – Backups, Multi -AZ & Read Replicas
- DynamoDB
- Redshift
- Aurora
- AWS Database Migration Services (DMS)

Module 7: Amazon Route 53

- Route 53 Overview
- Route 53 Concepts
- Route 53 (Lab)
- Routing Policies

Module 8: Application Services

- SQS
- SWF
- SNS
- Elastic Transcoder

Module 9: Disaster Recovery

- Disaster Recovery
- Overview and Products for Disaster Recovery
- Disaster Recovery Circumstances with AWS

Module 10: Project