Automate AWS with Ansible

Duration: 24 Hrs

Course OverView:

The 5-days Instructor Led Automating AWS with Ansible, the participants can learn Infrastructure as a Code, Configuring Ansible for AWS, Initializing, formatting, Validating Ansible 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 Ansible 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 Ansible Infrastructure as a Code

- Orchestrating a Case Study-Designing End to End Microsoft AWS Infrastructure Services
- Understanding Ansible Control Node, Managed nodes and Inventory
- Ansible Inventory, Paly Books, Plays (roles, Tasks, Handlers)
- Installing, Configuring and managing Ansible in Control Node and Managed Nodes
- Integrating Ansible with AWS Infrastructure

Module-2 Deep Dive on Build Ansible Infrastructure

- Derive the Ansible Plays and Play books using YAML
- Understanding Ansible Azure Modules
- Initializing the Ansible Configuration to Access the Ansible Modules
- Format and Validating the Configuration
- Applying the Ansible Play book and Configuration

Module-3 Practicing to write Ansible 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 Ansible Code using AWS Devops

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