

Automate Microsoft Azure with Ansible

Duration: 24 Hrs

Course Overview:

The 5-days Instructor Led Automating Microsoft Azure with Ansible, the participants can learn Infrastructure as a Code, Configuring Ansible for Microsoft Azure, Initializing, formatting, Validating Ansible infrastructure as a Code, Writing the Infrastructure as a code to Implement any Services in Microsoft Azure.

The Entire program goal is to make participants write infrastructure as a Code using Ansible so this is executed 100% hands-On experience

Pre-Requisites:

Participants Must complete AZ-104 Azure Administration.

Module Overview

Module-1 Deep Dive on Ansible Infrastructure as a Code

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

Module-2 Deep Dive on Build terraform 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 YAML Playbook to Create, Modify and Apply Azure Infrastructure Changes to deploy the Following Azure Services for Any business segments

- Virtual networks
- Virtual Machines
- Storage
- Azure Load Balancers, gateways
- Traffic Manager
- App Services
- Kubernetes
- Azure Security Services
- Application Workloads
- And many more

Module-4 Deploying Ansible Code using Microsoft Azure 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 Deliver Infrastructure as a code using Azure DEVOPS