

Ansible Intermediate Training Outline

Duration: 03 Days

Pre Requisite: Linux basic skills (like working file and directories)

Course Content

Introduction

- What Is Ansible
- Change Management
- Provisioning
- Automation
- Orchestration
- Why Use Ansible
- YAML
- Built-in Security o Extendable

Architecture and Process Flow

- Architecture Introduction
- System Requirements
- Components Overview
- Process of Execution and Flow
- Execution Types
- Architecture Conclusion

Creating Environment

- Introduction
- Installing Vagrant and VirtualBox
- Configure Vagrant
- Installing Ansible
- Testing Lab with Your First Ansible Commands

Ansible Inventory and Configuration

- Introduction to Inventory and Configuration
- Inventory Fundamentals
- Demo: Inventory Basics
- Scaling-out with Multiple Files
- Demo: Scaling-out with Multiple Files
- Ansible Configuration Basics
- Demo: Ansible Configuration
- Demo: Working with Python3-based Systems

Ansible Modules

- Ansible Modules Introduction
- Ansible Modules Fundamentals

- Demo: Using Module Docs and Yum Module
- Demo: Using Setup Module

Plays and Playbooks

- Introduction
- Plays and Playbook Basics
- Demo: Basic Playbook
- Playbook Logic and More
- Demo: Advanced Playbook Usage

Who should attend?

- Software Developers, Architects and Administrators
- Database and Analytics Professionals
- Project Managers and Trainers
- System Administrators
- Research Professionals
- Those who are looking for a career in Big Data

Lab Setup:

Hardware Requirements (Minimum Requirement for an Single Machine)

RAM Memory	Minimum 12 GB Ram Required
Processor	2 GHZ processor
Hard Disk	150 GB
Network	LAN Network

Software Requirements

Operating System	Windows OS(7/10)
Java Software	
Application Server Installer	Virtual Machine Installer + Virtual VM image with Software provided at the time of training