



Ansible Advance Training

Day - 1		Day - 2	
Why you are here?	 Ansible Authentication & Authorization 	 Let's write Ansible Playbook Writing a Play Using Modules 	 Working with Popular Modules in Ansible
 Introduction of Configuration Management 	SSH with password	Writing a Playbook	 The Setup Module
 Understand the problems in 	• SSH with key	Writing an Inventory	 The Command Module
Servers config management	 SSH with another user and password/key 	Running a Playbook in Local	The Expect Module
 Finding out the solutions for 		Server	 The RAW Module
Servers config management	 SSH without password/key 	Running a Playbook in	 The Script Module
What is Ansible	 Let's start with Ansible Adhoc 	Remote Server	o The Shell Module
 Benefits of Ansible 	commands	Variables in Ansible	o The File Module
 Ansible Vs Chef Vs Puppet 	 Do one task in ONE MACHINE (localhost) 	Variables in Ansible Playbook	 The SELinux Module
 Let's understand Ansible 	Do one task in ONE	 Variables in Ansible Playbook external file 	o The SEBoolean Module
o Ansible Architecture	REMOTE MACHINE	 Variables in Ansible Playbook 	 The Copy Module
O How Ansible Works?	 Do one task in MULTIPLE REMOTE MACHINES using 	include vars into task	o The Cron Module
 Ansible Terminology 	Inventory	 Register var in Ansible playbook 	 They Include Module
	 Do one task in MULTIPLE 	' '	 The Mount Module
 Let's get started with Ansible 	REMOTE MACHINES using group in Inventory	Prompt var in Ansible playbook	 The User Module
 Introduction to YAML 		Command line var in Ansible	 The Group Module
 Setup Ansible Development Environment 	 Let's write Ansible Inventory Inventory group 	 Variables in Ansible inventory 	o The Mail Module
	 Inventory group of groups 	file	 The Git Module
 Introduction of Ansible Commands lines 	Inventory behavioral	 Variables in Ansible inventory hostvars 	o The Apt Module

 Introduction of Ansible Modules Introduction of Ansible Play Introduction of Ansible Playbook Introduction of Ansible Configurations Introduction of Ansible Inventory 	parameter Inventory directory Inventory dynamic inventory	 Variables in Ansible inventory groupware fact variables 	 The Yum Module The Package Module The Service Module

 Deep Dive into Ansible Playbooks Outlining Your Playbook Target Section Variable Section Task Section Handler Section Ansible Role Default Variables Ansible Role Dependencies
 Lookups Understand the factors in Ansible Handlers in Ansible Includes vs. Imports in Ansible Conditions in Ansible Loops in Ansible Embedding Modules and Plugins in Roles Ansible Role Search Path Ansible Galaxy Introduction of Ansible Galaxy Website

- Files operations in Ansible
- o Templating (Jinja2) in Ansible
- Basic Error Handling in Playbooks
- Basic Troubleshooting in Ansible

• Servers Management in Ansible

- Authentications in Ansible
- SSL and Certificates in Ansible
- Access and Permission Management
- Ansible with Docker
- Ansible with AWS
- Ansible with Azure

- Search for Roles
- Installing Roles from Ansible Galaxy
- Create roles
- Authenticate with Galaxy
- Ansible Galaxy Roles Dependencies
- Upload Roles

Ansible Vault

- Use cases of Ansible Vault
- Creating Encrypted Files
- Editing Encrypted Files
- Rekeying Encrypted Files
- Encrypting Unencrypted Files
- Decrypting Encrypted Files
- Viewing Encrypted Files
- Using Ansible Vaul

- Tower Logging and Aggregation
- Tower Configuration
- Setting up LDAP Authentication
- Changing the Default Timeout for Authentication
- User Authentication with Kerberos
- Working with Session Limits
- Backing Up and Restoring Tower
- o Troubleshooting Tower
- Tower Tips and Tricks
- Introduction to tower-cli

Day - 5

Developing Ansible Modules

- Understand Ansible Architecture
- How to Develop Ansible Module
- Types of Ansible Modules
- How Ansible modules are executed
- Developing Ansible Plugins
- Module Ansible Utilities
- Use the developed Modules in Playbook