

## Day - 1

- **Why you are here?**

- Introduction of Configuration Management
- Understand the problems in Servers config management
- Finding out the solutions for Servers config management
- What is Ansible
- Benefits of Ansible
- Ansible Vs Chef Vs Puppet

- **Let's understand Ansible**

- Ansible Architecture
- How Ansible Works?
- Ansible Terminology

- **Lets get started with Ansible**

- Introduction to YAML
- Setup Ansible Development Environment
- Introduction of Ansible Commands lines
- Introduction of Ansible Modules
- Introduction of Ansible Play
- Introduction of Ansible Playbook
- Introduction of Ansible Configurations
- Introduction of Ansible Inventory.

- **Ansible Authentication & AuthrORIZATION**

- SSH with password
- SSH with key
- SSH with another user and password/key
- SSH without password/key

- **Lets start with Ansible Adhoc commands**

- Do one task in ONE MACHINE(localhost)
- Do one task in ONE REMOTE MACHINE
- Do one task in MULTIPLE REMOTE MACHINES using Inventory
- Do one task in MULTIPLE REMOTE MACHINES using group in Inventory

- **Lets write Ansible Inventory**

- Inventory group
- Inventory group of groups
- Inventory behavioral parameter
- Inventory directory
- Inventory dynamic inventory

## Day - 2

- **Lets write Ansible Playbook**

- Writing a Play Using Modules
- Writing a Playbook
- Writing a Inventory
- Running a Playbook in Local Server
- Running a Playbook in Remote Server

- **Variables in Ansible**

- Variables in Ansible Playbook
- Variables in Ansible Playbook external file
- Variables in Ansible Playbook include vars into task
- Register var in Ansible playbook
- Prompt var in Ansible playbook
- command line var in ansible
- Variables in Ansible inventory file
- Variables in Ansible inventory hostvars
- Variables in Ansible inventory groupvars
- fact variables

- **Working with Popular Modules in Ansible**

- The Setup Module
- The Command Module
- The Expect Module
- The RAW Module
- The Script Module
- The Shell Module
- The File Module
- The SELinux Module
- The SEBoolean Module
- The Copy Module
- The Cron Module
- The Include Module
- The Mount Module
- The User Module
- The Group Module
- The Mail Module
- The Git Module
- The Apt Module
- The Yum Module
- The Package Module
- The Service Module.