

Ansible Automation Administration

Course Duration: 40 Hours

- 1. Introduction of Ansible**
 - Ansible Automation overview
 - Understanding Ansible and Python
 - Ansible Understanding and Uses
- 2. Deploying Ansible**
 - Ansible Installation
 - Ansible Inventory
 - Ansible static and Dynamic inventory
 - Ansible Configuration and Host Management
- 3. Implementing Playbook**
 - Ansible playbook
 - Ansible playbook Uses
 - Ansible Modules
 - Ansible Ad-hoc Command
- 4. Managing variables and inclusion**
 - Managing variables in playbook
 - Managing variables in files
 - Managing inclusions in ansible
- 5. Implementing task control**

- Task control management in playbook
- Tags Management in playbook
- Flow control Management in Playbook

6. implementing Jinja2 templates

- writing Jinja2 templates
- jinja2 templates v/s python
- templates running with playbooks

7. Implementing Roles

- Implementing roles for playbook
- Managing roles architecture for playbook
- Complex playbook management with roles
- Ansible galaxy management with playbook

8. Optimizing Ansible

- Optimization of playbook
- Troubleshooting of playbook
- Playbook managements

9. Implementing Ansible vaults

- Securing ansible playbook
- Vault management

10. Implementing Ansible in Devops Environment

- Deployment Docker and Container using Anible
- Managing vargrant using playbook
- Managing Jenkins using Ansible playbook