

Ansible

Automation with Ansible Playbooks

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Other Skills: Linux, Bash shell scripting, AWS Cloud, Python Scripting and Terraform

Pre-requisites for learning Ansible (Ansible with Playbooks):

- ✓ Knowledge on any flavor of Unix-Like based Systems because Ansible is an open source software available for Linux Based systems such as Debian, Redhat, Ubuntu, Centos and more...
- ✓ Knowledge on Any Cloud or VMware.
- ✓ Programming is required to develop own modules.

Ansible

Automation with Ansible Playbooks

**Mastering Automation with Ansible and Playbooks is a
step-by-step journey.**

Course Content Part-I:



Introducing Ansible

- Overview of Ansible Architecture
- Ansible Components
- Describing Ansible Inventory



Deploying Ansible

- Installing Ansible
- Managing Ansible Configuration files
- Working with Ad-hoc Commands
- **Dynamic inventory with different scripting Languages**
- **Working with raw modules**

Course Content Part-2:

✓ **Implementing Ansible Playbooks**

- Introduction to Playbooks
- Structure of Playbooks
- Introduction to YAML Scripting
- Simple Playbooks
- Playbooks by using different modules
- Different Types of Variables
- Handling Errors
- Usage of Tags
- Loops for Playbooks
- Working with Handlers
- Ansible Galaxy for roles
- Working with Vault to supply crypted password for Playbooks
- Jinja2 Templates Concepts to use in Playbooks

Course Content Part-3:

✓ **Building own modules**

- Steps to implement own modules
- How to use Python and shell scripting to Build own modules

✓ **Implementing Ansible Playbooks for AWS Cloud**

- Setup Environment for Ansible to work with AWS Cloud
- Ansible Playbooks to easily provision and manage your Amazon Cloud infrastructure.

Thank you

Mastering Automation with Ansible (Ansible Playbooks):

- ✓ Mastering Automation using Ansible and Playbooks is a step-by-step journey.
- ✓ We will start with, how to execute ad-hoc commands against servers using Ansible.
- ✓ And then we will enter into writing Playbooks part for deploying.
- ✓ We will implement playbooks by including different concepts like:
 - ✓ Roles
 - ✓ Handlers
 - ✓ Files
 - ✓ Templates (Jinja2)