ANSIBLE - COURSE DETAILS AND SYLLABUS

COURSE DETAILS

Course Duration : 2 weeks (Monday - Friday)

Course Highlights of Ansible :

- **Free online training videos for SDLC Basics, Devops Basics, Linux Basics for trainee**
- **Ansible - Introduction, features, Architecture**
- **Ansible - Workflow, Terminologies, Installation**
- **Ansible -Yaml, Inventory, Groups**
- **Ansible - Modules, Ad Hoc, Playbooks**
- **Ansible - Variables, Conditions, Loops, Roles, Galaxy**
- **Project on Project**

Click on below link to Register for free demo :

https://docs.google.com/forms/d/1ELtVcX0EGp5yYvw1HAWF5lgaGkutqHbi-VyKSO7nVfA/edit?usp=sharing

Benefits of the Course -

1. Online class videos access is provided for trainees who opted for online mode of training.
2. Course Completion Certificate issued from Company which is recognised by Ministry of Micro, Small, and Medium Enterprises, (Govt. Of. India)
3. Course Soft Copy Material
4. Provide sample Ansible resumes and resume preparation support
5. Placement assistance

COURSE SYLLABUS

❖ **Ansible - Introduction, features, Architecture**

- Introduction To Ansible
- Features Of Ansible
- Use Cases Of Ansible
- What Can Do In Production Environment
- Ansible Documentation
- How Ansible Is Different From Configuration Management Tools
- Ansible Architecture

❖ **Ansible - Workflow, Terminologies, Installation**

- Ansible Workflow
- Ansible Terminologies
- Ansible Lab-setup
- Ansible Control Machine Requirements
- Ansible Control Machine on RHEL
- Verify Ansible installation and version
- Verify Ansible Playbook version
- Locate Ansible configuration file

❖ **Ansible-Yaml, Inventory, Groups**

- Representation Of Dictionary In Yaml
- Non-group Inventory File
- Group Inventory File
- Ansible Inventory Parameters
- Use Case Of - Ansible_host
- Use Case Of - Ansible_port
- Use Case Of - Ansible_connection
- Use Case Of - Ansible_user
- Use Case Of - Ansible_ssh_pass
- Use Case Of - Ansible_password
- Ansible Exercise - To Setup Inventory File And Perform Ping Test
- Case Study On Ping Test Error Message :
- Ansible Inventory Exercise 1- Create A Inventory File
- Ansible Inventory Exercise 2 : To Create A Group

- Ansible Inventory Exercise 3 : To Create Nested Groups (Parent_group)

❖ **Ansible- Modules, Ad Hoc, Playbooks**

- Ansible Playbooks
- Sample Ansible Playbook
- Ansible Playbook Format
- Ansible Modules
- Ansible Tasks
- How To Run A Playbooks
- How to check syntax of a Playbook
- How to Run a playbook on multiple hosts
- How to Run a playbook on target hosts
- Ansible Run Command Methods
- Ansible Playbook Exercise 1: Perform Ping Test On All Hosts Of Inventory File
- Ansible Playbook Exercise 2: To Install Git On All Hosts using script module
- Ansible Playbook Exercise 3: To Install A Web Server httpd using yum module
- Ansible Playbook Exercise 4: To start a httpd service using service module
- References On Playbook And Modules

❖ **Ansible - Variables, Conditions, Loops, Roles, Galaxy**

- Ansible Variables
- How To Define A Variable In Ansible Playbook
- Ansible Variable Exercise
- Ansible Conditions
- Ansible Loops
- Ansible Vaults
- How To Limit The Execute Of Ansible On Single Hosts Or Desired Hosts
- How To Check Ansible Playbook Syntax
- Ansible Roles
- Use Case Of Roles
- Ansible Include Statement
- Ansible Patterns
- Use Case Of Patterns

- Ansible Galaxy

- Project - Using Ansible deployment of ntp applications, configure ntp, start services, and create logs.