

Zielbox Ansible Contents



About the Course

In this comprehensive course, you will gain a deep understanding of Ansible and its powerful automation capabilities.

Module 1 serves as an introduction to Ansible, covering the push approach and how it differs from the pull approach. We'll explore why Ansible has become the go-to choice in the industry and compare it with other automation tools.

In Module 2, we delve into Ansible Architecture, focusing on Playbooks, the Automation Engine, CMDB, cloud integration, and managing hosts and networks.

Module 3 guides you through the installation and configuration of Ansible. You'll learn how to set up SSH, establish connections with hosts, and configure Ansible to work seamlessly with your infrastructure.

Module 4 introduces ad-hoc commands and demonstrates their practical applications.

Module 5 dives into infrastructure automation using Ansible and explores the Automation Engine, Inventory, and managing hosts and groups.

Module 6 explores Playbooks, covering their structure, the wide range of modules available, and the use of plugins and variables.

In Module 7, you'll learn how to write efficient and effective Playbooks, focusing on the essential elements such as hosts, variables, tasks, and handlers.

Module 8 introduces Ansible roles, teaching you how to create and leverage them effectively. You'll explore the default structure of roles and understand their purpose in Ansible.

By the end of this training, you'll have a solid foundation in Ansible and be equipped to automate your infrastructure effectively. Let's embark on this journey together and unlock the power of Ansible!

Level:

Beginner/Intermediate

Course Modules

Module 1 - Ansible introduction

- what is Ansible push approach
- how push differs from pull approach
- why ansible
- ansible vs others
- ansible in the industry

Module 2 - Ansible Architecture

- Ansible Architecture: Playbooks
- Ansible Architecture: Automation Engine
- Ansible Architecture: CMDB
- Ansible Architecture: cloud
- Ansible Architecture: Hosts and the network

Module 3 - Installation and configuring ansible:

- Installing ansible: Prerequisite
- Setting up ssh
- Setting the ssh key
- copy ssh key on the hosts
- check the ssh connection
- Installation ansible
- configuring ansible: setting up hosts
- Checking connection to hosts

Module 4 - Ad-ho commands:

- Available ad hoc commands
- Demo: ad hoc commands

Module 5 - Automation using ansible:

- Infrastructure automation using ansible
- the ansible automation engine
- Automation Engine: Inventory
- Automation engine: inventory hosts and groups

Module 6 - Playbooks:

- What exactly is playbook
- Ansible Playbook: Modules
- Ansible Playbook: Plugins
- Ansible Playbook: Variables

Module 7 - Writing Playbooks:

- Points to remember
- Playbook structure
- Playbook structure: hosts
- Playbook structure: vars
- Playbook structure: become
- Playbook structure: task
- Playbook structure: Handlers

Module 8 - Ansible roles:

- Creating a roles
- Ansible default: roles

- Ansible default: handlers, task, file, meta, tests

www.zielbox.com