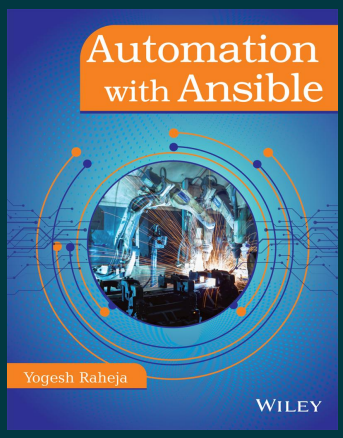
WILEY



Automation with Ansible

By Yogesh Raheja

Paperback 9788126570331 ₹1,029.00

Pages: 268

Description

Automation with Ansible is based on a Technical Tool called Ansible for IT Automation. Ansible is a very easy to use IT Automation Configuration Management and Orchestration Software majorly used by DevOps and System Administrators. This tool is used to automate Application Deployments, Infrastructure Provisioning and whole Infrastructure environment for configuration and management with ease. Any application used in Information Technology can be configured, maintained, upgraded in large scale environments in minutes with almost no human efforts.

About the Author

Yogesh Raheja

Yogesh Raheja is a certified DevOps and Cloud expert with a decade of IT experience. He is a Techno freak

Table of Contents

Preface

Acknowledgments

About the Author

Chapter 1 Introduction to Configuration Management with Ansible

1.1 Ansible: An Introduction

1.2 Current IT Automation State

1.3 Configuration Management

1.4 Ansible History

1.5 Introducing Ansible

1.6 How Ansible Works

1.7 Dataflow

Chapter 2 Understanding of Ansible Framework

2.1 Case Study

2.2 Ansible Way of Configuration Management

2.3 Infrastructure as a Code (IaC)

2.4 Idempotency

2.5 Ansible Terminology

Chapter 3 Ansible Deployment
3.1 Pre-Requisites for Controller Node
3.2 Installation and Configuration
3.3 Ansible Configuration File
3.4 Pre-Requisites for Managed Node
3.5 Ansible Inventory
3.6 Ansible Communication
3.7 Ansible Architecture
Chapter 4 Ad-Hoc Execution with Ansible
4.1 Ansible Modules
4.2 Ad-Hoc Remote Executions
4.3 Ansible Commands
4.4 Connections and Privilege Escalations
Chapter 5 Ansible Playbooks
5.1 YAML Structure
5.2 Ansible Playbooks
5.3 Playbooks Structure
5.4 Playbooks Syntax Checks
5.5 Playbooks Smoke Test
5.6 Playbooks Real-Time Run
5.7 Playbook Examples 1
Chapter 6 Variables in Ansible
6.1 Ansible Variables: An Introduction
6.1.1 Defining Variable in Ansible Code
6.2 Use Cases
6.3 Ansible Facts
6.4 Facts in Playbooks
6.5 Disabling Facts
Chapter 7 Conditionals, Loops and Handlers
7.1 Conditionals in Ansible
7.2 Loops in Ansible
7.3 Handlers in Ansible
Chapter 8 Ansible Roles
8.1 Introduction
8.2 Directory Structure
8.3 Role Creation
8.4 Include and Dependency Management
Chapter 9 Ansible Vault

9.1 Introduction

9.2 Real-Time Example with Ansible Vault

Chapter 10 Ansible Galaxy

10.1 Ansible Galaxy: An Overview

10.2 Real-Time Example with Ansible Galaxy

Chapter 11 Ansible Playbook Optimization

11.1 Copy and Fetch Modules

11.2 Facts

11.3 Forks

11.4 Serial & Max_Fail_Percentage

11.5 Asynchronous Action and Pooling

11.6 Delegate

11.7 Ignore Failed Commands

11.8 Tags

11.9 Jinja2 Templates

11.10 Dry-Run

Chapter 12 Ansible Tower

12.1 Introduction

12.2 Tower Installation

12.3 Tower Dashboard

References

Summary

Test Your Knowledge

What We Have Learnt – Reinforcing Some Points

To purchase this product, please visit:
https://www.wileyindia.com/automation-with-ansible.html

Scan to buy