KOENIG
step forward

KOENIG SOLUTIONS · COURSE OUTLINE

Ansible Basic (Linux) with Advanced Features

Learn to install, configure and use Ansible to automate Linux systems with playbooks, modules, vault and roles.

COURSE OVERVIEW

This course covers Ansible installation, configuration parameters and its directory architecture, along with dynamic inventory and ad-hoc command execution. It then introduces playbook writing using YAML best practices, covering methods such as apt, become and register, services, file handling with templates, and variables. Further topics include parallel and serial execution, task dependencies, blocks, rescue and tags, followed by Ansible modules, vault for secrets, logging, and an introduction to roles through Galaxy.

WHO THIS COURSE IS FOR

Linux Administrators | **System Administrators** | **DevOps Engineers** | **Automation Engineers** | **Infrastructure Engineers**

LEARNING OBJECTIVES

- Explain Ansible architecture, prerequisites and installation
- Configure Ansible parameters and dynamic inventory
- Apply ad-hoc commands and gather facts
- Develop playbooks using YAML best practices
- Implement tasks such as service handling, templates and variables
- Apply parallel and serial execution with task dependencies
- Implement blocks, rescue and tags in playbooks
- Configure Ansible vault, logging and roles with Galaxy

COURSE SYLLABUS

20 Topics

TOPICS

- Introduction to Ansible and pre requisites
- Installation of ansible
- Configuration parameters
- Ansible directory architecture. Ansible inventory (dynamic)
- Ansible ad-hoc run, explore options
- gather_facts
- Playbook introduction
- Playbook writing skills (yaml best practices)

Playbook Examples

TOPICS

- **Methods:** apt, become, su, uri, register, fail, when, with_items, wait_for
- **Services:** service, handlers, notify
- **Files:** file, template, introduction jinja2 template, lineinfile, copy
- Variables (with_dict, defaults)
- tasks by Ansible Playbooks (at least 5 different type of playbooks)
- Parallel execution and serial execution Skip tasks, jump tasks, task dependency
- Block, rescue, tags

Ansible Modules

TOPICS

Uri · url

Ansible vault · Ansible logging · Ansible roles introduction (Galaxy)

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

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