KOENIG SOLUTIONS · COURSE OUTLINE

LPI DevOps Tools Engineer

5
MODULES

5
TOPICS

COURSE OVERVIEW

With the Linux Professional Institute DevOps Tools Engineer certification, you affirm your ability to work comfortably in open source tools used throughout DevOps to optimize development and operations tasks.

LEARNING OBJECTIVES

- Explain source code management and integration with Git and Jenkins
- Apply container deployment and orchestration with Docker and Kubernetes
- Implement machine and cloud deployment using Vagrant and Packer
- Apply configuration management practices using Ansible
- Describe service operations monitoring with Prometheus

COURSE SYLLABUS

5 Modules, 5 Topics

01

Software Engineering

including modern software development, standard components and platforms for software, source code management as well as continuous integration and continuous delivery

TOPICS

Tools Covered: Git, Jenkins

02

Container Management

including container usage, container deployment and orchestration, as well as container infrastructure

TOPICS

- **Tools Covered:** Docker, Docker Swarm, Kubernetes

03

Machine Deployment

Including virtual machine deployment, cloud deployment and system image creation

TOPICS

Tools Covered: Vagrant, cloud-init, Packer

04

Configuration Management

including Ansible, and other configuration management tools

TOPICS

Tools Covered: Ansible

05

Service Operations

including operations and monitoring and log management and analysis

TOPICS

- **Tools Covered:** Prometheus, Logstash and ELK Stack

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

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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