



DevOps Fundamentals

Module 1: Course Overview

- Course Overview
- Course Pre Reqs

Module 2: The Basics

- The Basics
- What is DevOps
- DevOps Building Blocks
- DevOps Best Practices
- Why Containers
- What is a Pipeline
- Continuous Integration and Continuous Delivery
- Continuous Deployment
- Pipelines - Whiteboard

Module 3: Development

- Development Basics
- CICD Strategy
- Source Control Management
- Demo - Build Management

Module 4: Infrastructure

- Release and Deployments
- Release Management
- Demo - Release Management
- Reliability Engineering
- DevOps Tools
- Infrastructure as Code
- Automation
- Demo - (IaaS) CloudFormation
- Demo - Jenkins
- Demo - GitHub

Module 5: Key Performance Indicators (KPIs)

- Key Performance Indicators (KPI)
- KPI Metrics
- KPI Tools
- Monitoring Applications

Demo - AWS CloudWatch

Module 6: Course Closeout

Course Closeout

6.1 Module 6 Introduction

Summary Review

6.2 Course Review

Additional Resources

6.3 Blockchain Roles

DevOps Job Outlook

Course Closeout