



LINUX TRAINING

Basic Devops Linux Github Jira Containerization Jenkins Course

Master DevOps fundamentals with Linux, GitHub, Jira, Containerization, and Jenkins to streamline software delivery.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

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- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

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COURSE OVERVIEW

Unlock the fundamentals of modern software development and operations with our Basic DevOps Linux GitHub Jira Containerization Jenkins Course. This intermediate-level program is meticulously designed for IT professionals, system administrators, and developers looking to bridge the gap between development and operations. You will gain hands-on experience with core DevOps tools and methodologies, starting with a strong foundation in Linux, the bedrock of most server environments. The course progressively introduces you to essential practices for version control, project management, and automated workflows.

Throughout this accelerated 2-hour course, you will master vital technologies including Git and GitHub for collaborative code management, Jira for agile project tracking and issue resolution, and the foundational concepts of containerization for consistent application deployment. Furthermore, you will delve into Jenkins, the industry-leading automation server, to implement continuous integration and continuous delivery (CI/CD) pipelines. By the end of this training, you will be equipped to streamline software delivery, improve team collaboration, and contribute to more efficient and reliable systems, setting a solid foundation for a thriving career in DevOps.

Duration	2 hours
Level	Intermediate
Vendor	Linux

COURSE CURRICULUM

01 Module 1: Linux Essentials for DevOps

- Navigating the Linux Filesystem
- Basic Linux Commands (ls, cd, cp, mv, rm, mkdir)
- User and Group Management
- Permissions (chmod, chown)
- Package Management (APT/YUM Basics)
- Introduction to Shell Scripting

02 Module 2: Version Control with Git & GitHub

- Introduction to Version Control Systems
- Installing and Configuring Git
- Basic Git Commands (init, add, commit, status, log)
- Branching, Merging, and Conflict Resolution
- Working with Remote Repositories (GitHub)
- Pushing, Pulling, and Fetching from GitHub

03 Module 3: Project Management with Jira Basics

- Introduction to Jira Concepts and Interface
- Creating and Managing Projects
- Understanding Issue Types (Tasks, Stories, Bugs)
- Creating and Assigning Issues
- Basic Workflow Management and Status Transitions
- Utilizing Scrum/Kanban Boards (Introduction)

04 Module 4: Introduction to Containerization (Docker)

- What are Containers and Virtual Machines?

- Benefits of Containerization in DevOps
- Introduction to Docker and its Architecture
- Basic Docker Commands (run, ps, images, pull, push)
- Building Docker Images with Dockerfiles (Simple Example)
- Containerizing a Simple Application

05 Module 5: Continuous Integration with Jenkins

- Introduction to CI/CD Concepts
- Installing and Configuring Jenkins (Basic Setup)
- Understanding Jenkins Interface and Jobs
- Creating a Freestyle Project in Jenkins
- Integrating Git with Jenkins for SCM Polling
- Building a Basic CI Pipeline (Build and Test Stages)

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Junior DevOps Engineer**
- > **Build and Release Engineer**
- > **Systems Administrator with Automation Focus**

FREQUENTLY ASKED QUESTIONS

Q: What practical, hands-on skills will I acquire from this course that I can immediately apply in a DevOps role?

This course provides direct, actionable skills including proficient Linux command-line usage, managing source code with Git and GitHub, tracking project progress with Jira, containerizing applications using Docker basics, and automating build and test processes through Jenkins CI pipelines. You'll be able to contribute to efficient software delivery workflows from day one.

Q: What are the prerequisites for enrolling in this Basic DevOps course, particularly regarding Linux and programming experience?

This course is designed for individuals with an intermediate IT background. While no advanced programming experience is required, a foundational understanding of operating systems and basic command-line navigation (preferably Linux) is beneficial. We start with Linux essentials, but prior exposure will help you grasp concepts faster. No prior DevOps, Git, Jira, Docker, or Jenkins experience is necessary, as these topics are covered from the ground up.

Q: How does this course combine Linux, GitHub, Jira, Containerization, and Jenkins to foster a more collaborative and efficient software development lifecycle?

This course integrates these tools to demonstrate a seamless DevOps workflow. Linux provides the operating environment; Git/GitHub enables collaborative code versioning; Jira offers transparent project and issue tracking for teams; Containerization ensures consistent environments across development, testing, and production; and Jenkins automates the build, test, and deployment process, uniting all stages into an efficient, collaborative pipeline. This holistic approach ensures faster feedback loops and improved team synergy.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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