

CRAW  
ACADEMY

# LINUX ESSENTIALS 667

Unlock the Power of Linux Your Essential Journey to Mastery Begins Here



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## Program **Overview:**

The Linux Essentials Training Course, offered by Crow Security, the Best Linux Training Institute in India, is designed to provide foundational knowledge and skills in Linux. This program covers a broad range of topics, from basic Linux operations to advanced system administration and security. Our course is structured to ensure that participants gain practical experience and theoretical understanding of Linux, making them proficient in navigating and managing Linux environments.

## Program **Features:**

- ✓ 60 hours of instructor-led training or Live VILT classes.
- ✓ The course will be in both English and Hindi mediums.
- ✓ Learn from Industry-leading experts with extensive experience in Linux and as a system administrator.
- ✓ Hands-on practical exercises to learn with real-time problem-solving scenarios.
- ✓ Cutting-edge curriculum to stay at the forefront of the system administration domain.
- ✓ Receive detailed study guides and resources designed to enhance your learning experience.
- ✓ Access course materials and live sessions through both online and offline modes to suit your learning preferences.
- ✓ Benefit from our continuous support even after completing the course, ensuring your long-term success.

## Delivery **Mode:**

Online Bootcamp / Offline Classroom Training / Corporate Training Facility

## Prerequisites of **Linux Essentials Course:**

This course is suitable for beginners. However, a basic understanding of computer systems and networks is beneficial to fully grasp the concepts taught.

## Target **Audience:**

- ✓ Aspiring IT professionals,
- ✓ System administrators,
- ✓ Network engineers,
- ✓ Cybersecurity enthusiasts,
- ✓ Anyone looking to enhance their Linux skills to make an outshining career in this domain.

## Key Learning **Outcomes:**

This Linux Essentials Course will help you:

- ✓ **Understanding of Linux Basics:** Gain a solid understanding of Linux, including its history, benefits, and how it compares to other operating systems.
- ✓ **Command Line Proficiency:** Develop proficiency in using the Linux command line interface (CLI), including navigating the file system, managing files and directories, and executing basic commands and utilities.

- ✓ **File System Navigation and Management:** Learn to navigate and manage Linux file systems, and understand file types, directories, and the hierarchical structure.
- ✓ **User and Group Management:** Acquire the skills to manage users and groups within a Linux environment, setting permissions and ensuring security.
- ✓ **File Permissions and Security:** Understand file permissions and how to modify them to secure access to files and directories, ensuring system security and user privacy.
- ✓ **Networking Fundamentals:** Gain insights into basic networking concepts on Linux, including configuring network interfaces, managing network services, and troubleshooting connectivity issues.
- ✓ **Introduction to Shell Scripting:** Learn the basics of shell scripting to automate repetitive tasks, enhance productivity, and perform complex administrative tasks with ease.
- ✓ **System Administration Basics:** Acquire foundational knowledge in Linux system administration, including system monitoring, managing processes, and installing software.
- ✓ **Linux Security Basics:** Understand the fundamental security concepts and practices in Linux, including firewall management, security updates, and best practices to protect the system.
- ✓ **Real-World Applications:** Apply the learned concepts in real-world scenarios, preparing for practical applications in professional environments.

## Certification **Alignment:**

Our Linux Essentials Training Course is widely recognized by Crow Security. Moreover, you can even give a versatile touch to this course by adding a value-added certification from the House of Red Hat to add charms to your resume. Crow Security is even a proud partner of Red Hat Incorporation to derive its courses and certifications training at the facilities to Crow Security at very affordable and discounted prices.

## Certification **Details & Criteria:**

Upon successful completion of the course and passing the examination, participants will receive a certification from Crow Security. The examination assesses the participant's ability to apply Linux Essentials techniques in a controlled environment. Specific criteria for certification include practical assessments and a theoretical exam.

## About the **Exam:**

- ✓ **Number of Questions:** 30-35 Questions
- ✓ **Exam Test Duration:** 1 Hour
- ✓ **Test Format:** Multiple Choice Question (MCQ)
- ✓ **Exam Cost:** 600 Inclusive Taxes

## Crow Security **Certification Criteria:**

- ✓ Attend 75% of classes and obtain 50% marks in the corresponding examination.

## 100% Placement with **1 Year Cyber Security Course:**

There is a specialized set of Terms and Conditions for a 100% Placement Guarantee with **our 1 Year Cybersecurity Diploma** that needs to be fulfilled by each and every student who is willing to benefit from features from Crow Security. However, we have jotted down all the necessary T&Cs that need to be completed to take the advantage of 100% Placement Guarantee from the Department of Training & Placement by Crow Security:

- ✓ Attendance of 75% should be mandatory.
- ✓ Marks for internal exams should be 80% mandatory.

- ✓ Fees for 1 Year Cybersecurity Diploma Course should be properly paid.
- ✓ Candidate can apply for a job after completion of 6 modules.
- ✓ A candidate is applicable for Mock Interviews/PD Class after completion of 3 modules.
- ✓ Global certifications are required, if needed by companies for jobs.
- ✓ Candidate should be Graduate/Pursuing.
- ✓ One-time job Assistance/Placement will be provided, if the candidate misses any interview, Craw Placement Cell will not be liable to re-arrange the interview, and also Craw Academy will not be liable for any refund or future litigations or claims.
- ✓ Package as per candidate's skills or according to company norms.
- ✓ Ideal Candidates can apply for multiple jobs.
- ✓ The Post Placement Process will be provided by the Placement Cell, highly known as the Department of Training and Placement, which is as follows:
  1. Documentation
  2. Offer Letter
  3. Joining Date/ Timeline of Joining

## What to Choose After this **Course:**

A person can choose the 1 Year Cybersecurity Diploma Course after the completion of this course or even switch the current course to this 12-course bundle of 1 Year Cybersecurity Diploma Course by Craw Security whose maximum courses are accredited to the FutureSkills Prime, a MeitY — NASSCOM, Digital Skilling Initiative, and approved by the Government of India.

## Course **Curriculum:**

### Module 01: Getting Started with Red Hat Enterprise Linux

- ✓ Lesson 01: What Is Linux?

### Module 02: Accessing the Command Line

- ✓ Lesson 01: Access the Command Line
- ✓ Lesson 02: Access the Command Line with the Desktop
- ✓ Lesson 03: Execute Commands with the Bash Shell
- ✓ Lesson 04: Lab: Access the Command Line

### Module 03: Managing Files from the Command Line

- ✓ Lesson 01: Describe Linux file system Hierarchy Concepts
- ✓ Lesson 02: Specify Files by Name
- ✓ Lesson 03: Manage Files with Command-line Tools
- ✓ Lesson 04: Make Links Between Files
- ✓ Lesson 05: Match File Names with Shell Expansions
- ✓ Lesson 06: Lab: Manage Files from the Command Line

### Module 04: Getting Help in Red Hat Enterprise Linux

- ✓ Lesson 01: Lab: Get Help in Red Hat Enterprise Linux

### Module 05: Creating, Viewing & Editing Text Files

- ✓ Lesson 01: Redirect Output to a File or Program
- ✓ Lesson 02: Edit Text Files from the Shell Prompt
- ✓ Lesson 03: Change the Shell Environment
- ✓ Lesson 04: Lab: Create, View, and Edit Text Files

## Module 06: Managing Local Users and Groups

- ✓ Lesson 01: Describe User and Group Concepts
- ✓ Lesson 02: Gain Superuser Access
- ✓ Lesson 03: Manage Local User Accounts
- ✓ Lesson 04: Manage Local Group Accounts
- ✓ Lesson 05: Manage User Passwords
- ✓ Lesson 06: Lab: Manage Local Users and Groups

## Module 07: Controlling Access to Files

- ✓ Lesson 01: Interpret Linux File System Permissions
- ✓ Lesson 02: Manage File System Permissions from the Command Line
- ✓ Lesson 03: Manage Default Permissions and File Access
- ✓ Lesson 04: Lab: Control Access to Files

## Module 08: Monitoring and Managing Linux Process

- ✓ Lesson 01: Process States and Lifecycle
- ✓ Lesson 02: Control Jobs
- ✓ Lesson 03: Kill Processes
- ✓ Lesson 04: Monitor Process Activity
- ✓ Lesson 05: Lab: Monitor and Manage Linux Processes

## Module 09: Controlling Services and Daemons

- ✓ Lesson 01: Identify Automatically Started System Processes
- ✓ Lesson 02: Control System Services
- ✓ Lesson 03: Lab: Control Services and Daemons

## Module 10: Configuring and Securing SSH

- ✓ Lesson 01: Access the Remote Command Line with SSH
- ✓ Lesson 02: Configure SSH Key-based Authentication
- ✓ Lesson 03: Customize OpenSSH Service Configuration
- ✓ Lesson 04: Lab: Configure and Secure SSH

## Module 11: Analyzing and Storing Logs

- ✓ Lesson 01: Describe System Log Architecture
- ✓ Lesson 02: Review Syslog Files
- ✓ Lesson 03: Review System Journal Entries
- ✓ Lesson 04: Preserve the System Journal
- ✓ Lesson 05: Maintain Accurate Time
- ✓ Lesson 06: Lab: Analyze and Store Logs

## Module 12: Managing Networking

- ✓ Lesson 01: Describe Networking Concepts
- ✓ Lesson 02: Validate Network Configuration
- ✓ Lesson 03: Configure Networking from the Command Line
- ✓ Lesson 04: Edit Network Configuration Files
- ✓ Lesson 05: Configure Hostnames and Name Resolution
- ✓ Lesson 06: Lab: Manage Networking

## Module 13: Archiving and Transferring Files

- ✓ Lesson 01: Manage Compressed tar Archives
- ✓ Lesson 02: Transfer Files Between Systems Securely
- ✓ Lesson 03: Synchronize Files Between Systems Securely

- ✓ Lesson 04: Lab: Archive and Transfer Files

## Module 14: Installing and Updating Software Packages

- ✓ Lesson 01: Install and Update Software Packages
- ✓ Lesson 02: Register Systems for Red Hat Support
- ✓ Lesson 03: Explain and Investigate RPM Software Packages
- ✓ Lesson 04: Install and Update Software Packages with DNF
- ✓ Lesson 05: Enable DNF Software Repositories
- ✓ Lesson 06: Lab: Install and Update Software Packages

## Module 15: Accessing Linux File System

- ✓ Lesson 01: Identify File Systems and Devices
- ✓ Lesson 02: Mount and Unmount File Systems
- ✓ Lesson 03: Locate Files on the System
- ✓ Lesson 04: Lab: Access Linux File Systems

## Module 16: Analyzing Servers and Getting Support

- ✓ Lesson 01: Analyze and Manage Remote Servers
- ✓ Lesson 02: Get Help From Red Hat Customer Portal
- ✓ Lesson 03: Detect and Resolve Issues with Red Hat Insights

## About **us:**

Craw Security is India's leading cybersecurity training institute, dedicated to developing the next generation of cybersecurity professionals. With a focus on practical, hands-on training, we offer a wide range of courses tailored to all skill levels. Our mission is to enhance the cybersecurity posture of individuals and organizations worldwide.

For more information, please visit our course page website:

<https://www.craw.in/linux-essential-training-course-in-delhi/>

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Get Latest Cyber Security updates: [www.nesw4hackers.com](http://www.nesw4hackers.com)

## Connect on Social media

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