RECON
CYBER SECURITY
DEFEND | DETECT | SECURE

OUR PARTNERS

CISCO   python™   EY   Red Hat   CompTIA   Microsoft

OVERVIEW

In this course, students will learn the about Linux Operating system Command ine and GUI Interface. Topics include Linux Distribution, hardware management, Linux environment, Installing Linux and more.

PRE-REQUISITES

Students should have prior knowledge with Operation System such as : Windows 7, 8, 10, or 11 etc.

WHO WE ARE

We promise to offer the best training and certification programs to our students. We provide the programs and resources you need to succeed if you are just beginning your Cyber security career or are an experienced expert wishing to develop your skills. Contact us today to learn more about our training and certification options!

WHY CHOOSE US

Welcome to our Cyber Security Training Institute, where we are committed to giving individuals and organisations who want to protect their digital assets thorough training and certification programmes. Our knowledgeable Trainers will bring you through the complexities of cyber security with their cutting-edge expertise and practical experience. You will learn useful methods and abilities to protect yourself from online dangers, such as ethical hacking, network security, incident response, and other things. Our programmes give you the opportunity to hone your skills and grow your profession through practical lab experiences and individualised coaching.

LINUX ESSENTIALS COURSE CONTENT

COURSE DURATION: 20 hrs

Lesson 01 : Introduction to Linux Evolution
- The Birth of Linux: A Brief History
- Key Milestones in Linux Development
- Evolution of Linux Kernels
- The Role of the Linux Community

Lesson 02 : Linux Distribution
- Overview of Popular Linux Distributions
- Choosing the Right Linux Distribution for Your Needs
- Differences Between Desktop and Server Distributions
- How Linux Distributions are Developed and Maintained

Lesson 03 : Linux Embedded System
- Introduction to Embedded Systems
- Common Uses of Linux in Embedded Systems
- Key Components of Linux Embedded Systems
- Case Studies of Linux in Embedded Devices

Lesson 04 : Hardware Requirement
- Minimum Hardware Requirements for Linux
- Recommended Hardware for Optimal Performance
- Compatibility Considerations for Different Hardware
- Upgrading Hardware for Linux Systems

Lesson 05 : Installing Linux
- Preparing for Linux Installation
- Step-by-Step Installation Guide
- Troubleshooting Common Installation Issues
- Post-Installation Configuration

Lesson 06 : OS Differences
- Comparing Linux with Other Operating Systems
- Key Features of Linux vs. Windows/macOS
- Advantages and Disadvantages of Linux
- Understanding Linux File System Hierarchy

Lesson 07 : Open Software Application
- Definition and Benefits of Open Software
- Examples of Popular Open Software Applications
- How to Install and Use Open Software on Linux
- Community and Support for Open Software

Lesson 08 : What is Open Source
- Understanding Open Source Philosophy
- Key Principles of Open Source Software
- Benefits and Challenges of Open Source
- Prominent Open Source Projects and Their Impact

Lesson 09 : Desktop and server application
- Overview of Desktop Applications in Linux
- Key Server Applications and Their Uses
- Configuring Desktop and Server Applications
- Managing Applications with Linux Package Managers

Lesson 10 : Languages and tools
- Programming Languages Commonly Used in Linux
- Essential Tools for Linux Development
- Integrated Development Environments (IDEs) for Linux
- Best Practices for Software Development on Linux

Lesson 11 : Packages installs and repositories
- Understanding Linux Package Management
- Using Package Managers (e.g., apt, yum, pacman)
- Repositories and How They Work
- Adding and Managing Repositories

Lesson 12 : The Linux Environments
- Overview of Different Linux Environments
- Differences Between Desktop Environments
- Customizing Your Linux Environment
- Switching and Configuring Environments

Lesson 13 : Linux Desktop environments
- Detailed Overview of Popular Desktop Environments
- Comparing GNOME, KDE, XFCE, and Others
- Customizing Desktop Environments
- Troubleshooting Desktop Environment Issues

Lesson 14 : Linux shell and commands
- Introduction to the Linux Shell
- Basic Shell Commands and Their Usage
- Advanced Shell Commands and Scripting
- Customizing the Shell Environment

Lesson 15 : Managing softwares packages
- Installing and Removing Software Packages
- Updating and Upgrading Packages
- Resolving Package Dependencies
- Using Package Management Tools Effectively

Lesson 16 : The command line
- Navigating the Command Line Interface (CLI)
- Essential Command Line Utilities
- Customizing the Command Line Experience
- Scripting and Automation with the CLI

Lesson 17 : Difference b/w shells
- Overview of Different Shells (Bash, Zsh, etc.)
- Comparing Features and Capabilities
- Configuring and Customizing Shells
- Choosing the Right Shell for Your Needs

Lesson 18 : Command line
- Advanced Command Line Techniques
- Using Pipes and Redirection
- Command Line Shortcuts and Tips
- Creating and Managing Aliases

Lesson 19 : Command Usage
- Understanding Command Syntax
- Using Commands Effectively for System Administration
- Commonly Used Commands and Their Options
- Best Practices for Command Line Usage

Lesson 20 : Man Pages
- Understanding Man Pages and Their Structure
- Navigating and Searching Man Pages
- Using Man Pages for Troubleshooting
- Customizing Man Page Display

Lesson 21 : Directories and files
- Navigating the Linux File System
- File and Directory Management Commands
- Understanding File Permissions and Ownership
- Organizing and Structuring Directories

Lesson 22 : Searching and Extracting Data from file
- Using Command Line Tools for Searching (grep, find, etc.)
- Extracting Data from Files (cut, awk, sed)
- Regular Expressions for Search and Extraction
- Automating Data Extraction Tasks

Lesson 23 : Package installation in different Directory
- Understanding Package Installation Paths
- Installing Packages in Custom Directories
- Configuring Environment Variables for Custom Installations
- Troubleshooting Installation Issues

Lesson 24 : User account and groups
- Managing User Accounts in Linux
- Creating and Modifying User Groups
- Understanding User and Group Permissions
- Best Practices for User Management

- Lesson 25 : Creating account from the shell
  - Creating User Accounts with Command Line Tools
  - Setting User Privileges and Quotas
  - Configuring User Profiles and Shells
  - Automating User Account Creation

- Lesson 26 : Modifying and deleting account
  - Modifying User Accounts and Groups
  - Deleting User Accounts and Their Data
  - Handling Account Lockouts and Password Resets
  - Best Practices for Account Maintenance

- Lesson 27 : Working as root
  - Understanding Root Privileges and Risks
  - Performing Administrative Tasks Safely
  - Using sudo for Elevated Permissions
  - Configuring Root Access and Security

- Lesson 28 : Managing file ownership and permission
  - Understanding File Ownership and Permissions
  - Changing Ownership and Permissions with Commands
  - Using chmod, chown, and chgrp
  - Troubleshooting Permissions Issues

"

- **Weekend / weekdays classes**
- **Online and offline classes**
- **1 year membership**
- **Certificate after completion**
- **Interview preparation**
- **Live hacking training**
- **Class session recordings**
- **Ebooks tutorials**
- **24x7 support**

Every Class Recordings

Easy Repetations

Shareable Content

Hybrid Classes

Checkpoint Based Training

24x7 Support

RECON CYBER SECURITY PVT. LTD
(HEAD OFFICE | LAXMI NAGAR, NEW DELHI)

📍 2nd Floor, Gali no 1, Shakarpur, Laxmi Nagar New Delhi 110092

📞 WhatsApp or Call : +91-8595756252, +91-8800874869

✉ Training@reconforce.in, Info@reconforce.in

RECON CYBER SECURITY PVT. LTD
(BRANCH OFFICE | SANT NAGAR BURARI, NEW DELHI)

📍 Ground Floor, Gali no 8, Main Market, Sant Nagar, Burari, New Delhi 110092

📞 WhatsApp or Call : +91-8595756252, +91-8800874869

✉ Training@reconforce.in, Info@reconforce.in

#RECON CYBER SECURITY