



PurgeByte

Linux Fundamentals: A Confident Beginner's Guide

A practical 10-hour course designed for students, beginners, and Windows switchers who want to use Linux confidently for everyday tasks.

Detailed Training Syllabus

Total Duration: 10 Hours (10 Sessions of 1 Hour Each)

Mode: Live Remote Sessions (Screensharing & Hands-on Guidance)

Focus: Linux for Daily Use

Target Audience: Beginners, Students & Windows Switchers

Course Overview & Guidelines

Important Note on Target Audience:

This course is strictly designed for beginners, students, and everyday computer users who want to switch from Windows to Linux for their daily digital life.

This course is NOT intended for advanced users, IT professionals, or system administrators. PurgeByte will not be covering server management, advanced networking, or complex coding environments.

A 10-hour comprehensive crash course designed to demystify Linux, remove the fear of the "command line," and empower you to use Linux as your primary, everyday operating system.

By the end of this course, you will be able to browse, work, manage files, install software, and troubleshoot basic issues confidently.

How the Remote Sessions Work:

1. Each session is 1 hour long.
2. The instructor will demonstrate concepts live on their screen and then guide you step-by-step as you perform the tasks on your own Virtual Machine (VM) or Live USB environment.

Session Breakdown

Session 1: Demystifying Linux

- What is Linux? (Explained in simple, layman terms).
- Why switch from Windows? (Privacy, speed, security, no forced updates).
- Understanding "Distributions" (Distros): Why are there so many versions?
- Why we focus on Ubuntu: The most popular, user-friendly distro.
- *Live Demo*: Instructor shows their Linux desktop and daily workflow.

Session 2: Getting Linux on Your Computer

- The 3 Ways to Run Linux: Virtual Machine (VM), Live USB, and Dual Booting.
- Pre-requisites: Backing up Windows data and downloading the Ubuntu ISO.
- *Live Demo*: Creating a bootable USB and setting up a Virtual Machine.
- *Student Task*: Students set up their VM or Live USB with remote guidance.

Session 3: The Desktop & Customization

- Touring the Ubuntu Desktop: The Dock, Activities overview, and System Tray.
- Customization: Changing wallpapers, themes, dark mode, and screen resolution.
- Keyboard & Mouse Settings: Adjusting sensitivity and touchpad gestures.
- Workspaces: How to use virtual desktops to organize your workflow.

Session 4: File Management & Organization

- The Linux File System: How it differs from Windows (No C: drive, the "Home" folder).
- Using the Files App (Nautilus): Creating folders, moving files, and using USB drives.
- Searching for files and managing hidden files.
- *Live Demo*: Organizing a messy "Downloads" folder efficiently.

Session 5: Software Management

- The App Centre: Browsing and installing software safely (like a smartphone app store).
- Finding Windows Alternatives: LibreOffice, GIMP, VLC Media Player.
- Understanding Package Formats: What are .deb, Snap, and Flatpak? (Explained simply).

Session 6: Web, Media & Daily Productivity

- Web Browsers: Installing Chrome/Firefox and managing extensions.
- Media Playback: Installing codecs to play all video and audio formats.
- Office Work: Getting comfortable with LibreOffice (Writer, Calc, Impress).
- Connecting your Phone: Transferring photos and files between Android/iPhone and Linux.

Session 7: The Terminal Demystified - Part 1

- Why use the Terminal? It's not scary; it's just a faster way to talk to your computer.
- The Magic Word: Understanding sudo (Administrator privileges).
- Everyday Terminal Commands: Basic file navigation (cd, ls, mkdir).
- Copying and Pasting in the Terminal: (Hint: It's not Ctrl+C / Ctrl+V!).

Session 8: The Terminal Demystified - Part 2

- Updating your system: sudo apt update & sudo apt upgrade.
- Installing apps via terminal: sudo apt install [app-name].
- Basic file operations: Copying, moving, and deleting files safely.
- *Live Demo*: Installing a popular app using the terminal.

Session 9: Maintenance, Security & Backups

- System Updates: How to keep Linux secure and up to date.
- Backups: Introduction to **Timeshift** (Creating system restore points to "undo" mistakes).
- Disk Cleanup: Finding large files and clearing cache safely.

Session 10: Troubleshooting, Q&A, and Next Steps

- Basic Troubleshooting: What to do if the Wi-Fi drops, audio fails, or an app freezes.
- How to search for solutions and ask questions on Linux forums.
- Course Wrap-up, Q&A, and handing over the Post-Training Study Guide.

What You Will Achieve by the End of This Course:

- You will be able to install and set up Linux on your personal computer.
- You will know how to find and install almost any software you need.
- You will be able to use the Terminal for basic, powerful daily tasks.
- You will know how to back up your system, so you never fear breaking it.
- You will have the confidence to use Linux as your primary, everyday operating system.