

# LINUX SYSTEMS ADMINISTRATOR

**This Linux course assumes no prior Linux knowledge !**

The class registration is mandatory. Too many scam attacks have already presented people and sales people not having any interest in the course.

By paying 1000 kes, and posting your M-pesa Confirmation code, you essentially become a real student and the data you enter into the form is not automatically deleted.

Many students are wanting to know what is being taught and how much it will cost them, and for how long. I estimate 3 months, but it could go longer. You would not pay extra if the training went longer. The goal is to make you an **Admin** ! - What ever it takes ! - I am on your side here.

The time is an estimate. People learn at different rates. Everyone will be an **Admin**. You would have to really try, not to learn this. Is the course free ? Well boy I wish.. I simply can't do that, but I am keeping it as low as I can. This is not a normal class. Its a fast paced high end level of training here. No joke about it. You will out perform everyone in the field.

It is recommended to take at minimum **Level 1** through **3**., Level four is more intended to prepare the **Admin** for job, and interview questioning. It is optional. It is somewhat more intense too. You are proving yourself, and learning how to prove to others that you are what you say you are.

The cost is ( **level 1** – 33k, **Level 2** -33k, and **level 3** – 35k ) which ends up being **101k** for the full course. And the optional level **4** would be an extra 40k, but includes a huge comprehensive ( Student / Corporate Challenge ) ! If a student wants this, then that total for the entire course becomes 141k.

The good thing about splitting this course up into levels is a big benefit to the student. Although the fees are not refundable, the fact that they are split into levels means a student can drop out without paying the entire course amount.

If you take level 1, and did not like it , then you did not loose much. You do not attend any further levels, and thus you do not loose any more money. You do not have to take this course. You are what you make of yourself. Here is a snapshot of what you are going to learn. It is divided into many sections, and does not match the levels exactly because some are part of the same level.

**One more note :** I am not concerned if students pay half now and some later. In Kenya we struggle. - I am not doing this for the money, but I have high costs to cover here. If you scam me you loose. I am not a scam. I am the real deal. I expect you top be too.

What instructor is giving you that kind of talk. Come on... This is about your future, and those you train later. The future that once was yours, does not have to be. Your decision today could change what would have been. My knowledge is far more extensive than you could imagine. Someone needs to continue it. - Don't do this course to help me. Do it to change your life !

# The Fast-Track Linux SysAdmin

## Part 1: Ground Zero – Navigation & The CLI Mindset

*This is day one. No configuration, no networking—just learning how to move around, talk to the OS, and modify basic files without breaking things.*

- **Core Concepts:** The Linux filesystem hierarchy, absolute vs. relative paths, standard streams (stdout/stdin).
- **Key Commands:** pwd, cd, ls, mkdir, touch, echo, cat, nano.

## Part 2: Ownership, Permissions & Essential Plumbing

*Once they can move around, they need to understand the Linux security model. This section teaches them who owns what and how to manipulate text data.*

- **Core Concepts:** User vs. Group vs. Other, Read/Write/Execute permissions, basic I/O redirection.
- **Key Commands:** chmod, chown, sudo, grep, less, >, >>, | (the pipe).

## Part 3: System Inspection & Package Management

*Here, students learn how to look under the hood. They'll find out what processes are running, how much memory is left, and how to install new software.*

- **Core Concepts:** Repositories, package managers (APT/YUM/DNF), process lifecycles.
- **Key Commands:** apt/dnf, ps, top/htop, df, du, free, kill.

## Part 4: Storage, Users & Service Management (The Core Admin)

*This is where the actual "Administration" begins. Students learn how to manage local users, handle disks, and control background services using systemd.*

- **Core Concepts:** Daemons, systemd unit files, user creation, mounting storage.
- **Key Commands:** useradd, groupadd, systemctl, journalctl, mount, fdisk/lbblk.

## Part 5: Networking & Remote Infrastructure

*Now that they can manage a single local machine, it's time to connect it to the world. This is where we introduce the networking tools you mentioned.*

- **Core Concepts:** IP addressing, ports, SSH keys, basic firewalls, network troubleshooting.
- **Key Commands:** ssh, scp, ip addr, ping, ss / netstat, curl/wget, ufw/firewalld.

## Part 6: Automation, Scripting & Troubleshooting (The Job-Ready Finisher)

*A modern SysAdmin doesn't do things manually twice. This final section ties everything together with basic automation and real-world log analysis.*

- **Core Concepts:** Bash environment variables, basic shell scripting loop, cron jobs, log rotation.
  - **Key Commands:** bash (scripting basics), cron/crontab, find, tar, text analysis of /var/log/.
- 

### Why this structure works for a "Fast Track":

1. **Immediate Wins:** By Part 2, they can already edit config files and chain commands together.
2. **Postponed Complexity:** Networking and Storage are notoriously frustrating for beginners; pushing them to Parts 4 and 5 ensures they already know how to navigate the OS before fighting with IP addresses or partition tables.
3. **Tool Modernization:** Using nano instead of vi, and focusing on ss (the modern replacement for netstat) keeps them aligned with modern enterprise environments.

The commands above are not a complete set. Its an example only. The course will show you many such commands. It is up to you to practice them on your time. Each class tries to cover them on each Saturday for three hours.

Keep your job.... Keep attending church ! Saturday is for self improvement ! Saturday is Linux Systems Administration time. The course is intense ! Its also high speed.

I hope I answered all your questions. - Don't do this for me. Do it for yourself. I do not handle any of the financial side. I teach... That is what I do. I have knowledge you need. Everything else is done by Polly. - Please contact her for anything not related to Linux.

**The class starts 06-Jun-2026 10:00am**  
**If you show up late you will loose out on important information.**