



# OUTLINE

## 2026

**WITH TAWANA  
BUILD SKILLS,  
CHANGE YOUR FUTURE**



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# Linux Essentials for Cyber Security

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# 2026

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# Linux Essentials for Cyber Security

## Module 1: Introduction to Linux & Kali

- What is Linux? Why Hackers Love It?
- Kali Linux Installation
- Setting up Virtual Lab (VMware / VirtualBox)
- Network Modes: NAT, Bridged, Host-Only
- First Login & Initial Configuration

## Module 2: Navigating the Linux System

- Understanding Linux Filesystem Structure
- Finding Your Way Around Kali
- Essential Linux Commands
- Using Manual Pages (man)

## Module 3: Working with Files & Text

- Creating, Moving, Copying & Deleting Files
- Text Editors: Nano, Leafpad, Mousepad
- Searching Files: find & locate
- Redirection & Pipes
- Using grep like a Pro

## Module 4: Process & Service Management

- Text manipulation and navigation
- Managing Services (SSH, HTTP, (Apache))
- systemctl Basics
- Monitoring System Activity



## **Module 5: Installing tools and using famous tools of kali**

- Updating & Upgrading Kali
- How to install tools & apps in our kali
- Installing LibreOffice for kali
- Using tools for Information Gathering
- Wi-Fi Hacking using (Aircrack-ng)

## **Module 6: Networking Fundamentals for Hackers**

- IP Configuration (ip, ifconfig)
- Checking Open Ports (netstat, ss)
- Testing Connectivity (ping, traceroute)
- File Transfer between Kali & Windows

## **Module 7: Windows cmd commands**

- Install and uninstall apps with cmd
- Network configuration commands
- Windows utility commands
- Windows file system commands



## Week 1<sup>st</sup>

- Session 1: learning objective of Linux, what is Linux, introduction to Linux, Brief history of Linux, why hacker use Linux
- Session 2: Getting comfortable with kali Linux, and CLI, GUI, Kali everywhere, WSL, virtualization, hyper visor type
- Session 3: Download and install kali Linux, install kali Linux in VMware, login kali Linux, Kali Linux snapshot
- Session 4: VMware Network Adapter, NAT, Bridged, host-only
- Session 5: Linux users, Enable Root user in Linux, kali Linux Root User, Rest Kali Linux credential, Reset Kali Linux Password

## Week 2<sup>nd</sup>

- Session 1: Rest parrot Linux Password, The Kali Menu, Kali Documentation, Kali undercover
- Session 2: Finding your way around Kali, What is shell, File management Commands
- Session 3: Package Management Commands, User management Commands, clear terminal
- Session 4: File Searching and Text Processing, Leafpad(le3fpad), Nano, Basic command of Linux, File commands, Remove file and folder using CLI, Creating Directories using CLI
- Session 5: Weekly Questions and practicing in lab



### **Week 3rd**

- Session 1: Creating Multiple Directories, Basic commands of Linux, Which, Locate, Find, less command, Bash History and zsh History
- Session 2: Stdin Stdout Stderr, Basic commands of Linux, Exercise practical
- Session 3: Managing Kali Linux Services, Enable SSH automatically, SSH verification
- Session 4: Remote Desktop Kali Linux with xrdp, HTTP service
- Session 5: Install and Running Software From GitHub, Run script in Linux, Recap to first Lessons

### **Week 4<sup>th</sup>**

- Session 1: Installing LibreOffice In kali Linux, Information Gathering,
- Session 2: using Zphisher tool, Wi-Fi information and its type, monitor the network
- Session 3: Aircrack-ng tool, Wi-Fi Security Testing WEP and WPA2
- Session 4: Network and IP configuration, Transfer File Between Linux and Windows
- Session 5: Weekly Questions and practicing in lab

### **Week 5<sup>th</sup>**

- Session 1: Windows Basic commands
- Session 2: Windows Basic commands
- Session 3: having a project from Students

### **week 6<sup>th</sup>**

session 1: final Exam

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# Our Partners





# Tawana

Best Tecnology center

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# STUDENT FEEDBACK

Our students' opinions about  
Tawana Technology



## MOHAMMAD SHARIF BAKHTYARY

"Tawana Technology is a trusted institute with a strong background in technology, offering advanced curricula and modern methods—especially in cyber—to help learners enhance their skills."

Datacenter Specialist at UST  
Global



## TAWAB FAYAZI FORMER

"Tawana Technology is a leading institute for learning technology. Its students excel in job markets and competitions locally and internationally. I highly recommend it to anyone eager to grow their skills."

IT DIRECTOR OF AFGHANISTAN  
INDEPENDENT HUMAN  
RIGHTS COMMISSION



## SUHRAB TOTAKHAIL

"Tawana Technology is a leading Center for learning technology. Its students excel in job markets and competitions locally and internationally. I highly recommend it to anyone eager to grow their skills."

IT ANALYST ETISALAT  
AFGHANISTAN



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# TAWANA OUTILINE

**Presented By :**

Tawana team