



X E 1 0 3

FOUNDATION • LEVEL 1

Linux Fundamentals

7

MODULES

138

LAB TASKS

89

CTF CHALLENGES

44

TOPICS

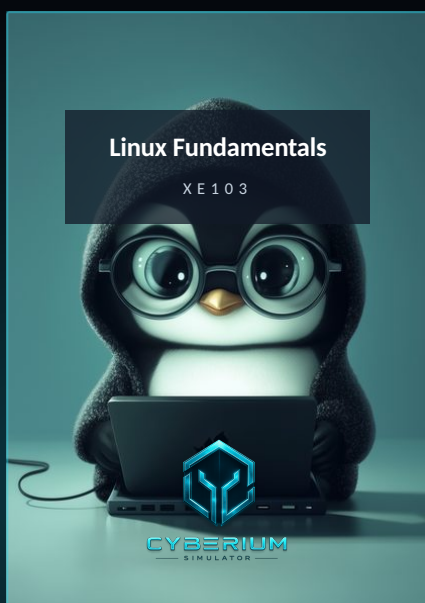
7

COURSE BOOKS

81

SLIDES

7 COURSE BOOKS INCLUDED



This program transforms students into proficient Linux users and administrators. You'll start by mastering the Linux terminal, learning the core of file systems, archives, and system navigation. From there, the focus shifts to efficiency: students learn to automate repetitive tasks and manage Unix-like systems through Bash scripting. The journey concludes with practical, real-world skills in network troubleshooting, system configuration, and professional package management using industry-standard tools like APT and Debian packages.

CURRICULUM & WHAT EACH MODULE COVERS

MODULE	TASKS
01 Linux Commands Downloading Files and Managing Software · Getting Oriented in the Shell · Navigating and Organizing the Filesystem · Tracing a Command Session · +3 more	20
02 Text Manipulation Getting the Log File Ready · Extracting Fields from Log Lines with awk · Sorting and Counting Unique Values with sort and uniq · Viewing Specific Lines with head and tail · +3 more	20
03 Searching Finding Files and Directories with 'find' · Searching File Contents with grep · Counting and Analyzing Text with wc, sort, and uniq · Locating Files with 'locate' · +1 more	20
04 Network Services Other Essential Network Services · Managing Services in Linux · Monitoring Network Connections with netstat · Remote Access with SSH · +3 more	20
05 Permissions Reading Linux Permissions · Numeric (Octal) Permission System · Access Control Lists (ACLs) · Changing Permissions with chmod	18
06 Bash Scripts File and Text Processing in Bash · Building a System Monitoring Script · Automating Network and Web Tasks · Building an Interactive Menu-Driven Script · +3 more	20
07 Tr Character Substitution and Simple Ciphers · Reading and Predicting tr Command Behavior · Cleaning Text with Squeeze · Deleting and Extracting Characters · +3 more	20

GOOD TO KNOW

Starts from zero — no prior experience needed · Self-paced or trainer-led · Cy, the AI helper, answers in the student's own language

HOW EVERY MODULE RUNS

Lab	→	Extra at 80%	→	Timed test at 85%	→	Slides at 90%
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Finish with a capstone project · interview preparation · City & Guilds Assured certificate

DATA AS OF 2026-10-12 · V261012