CYBERIUM ARENA
— SIMULATOR —

SYLLABUS

LINUX FUNDAMENTALS

MAIN FEATURES

Labs
The labs hold questions and tasks to support the training.

Book
The coursebooks accompany the lecturers and students alike in cybersecurity studies.

Scenarios
Provide participants possible situations from cybersecurity or cyberterrorism to solve.

Project
Trainees must complete a practical built-in project, produce defense and assault tools.

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Description

This training covers basic use in the Linux environment. The Linux Fundamentals program is designed for non-experienced users, helping them become comfortable with Linux and basic automation scripting capabilities.

MODULES

Module 1: Command-Line

Introduction
History of Linux
Linux Distributions
The Terminal
Basic Commands
Permissions
Text Manipulation
Working with Archives

Module 2: Bash Scripting

Bash Scripting
Introduction to Programming
Writing Bash Scripts
Getting User Input
Performing Math
Logic Statements
Environment Variables

Module 3: Networking

Network Troubleshooting
Network Configuring
Basic Network Troubleshooting
Package Management
Installing Deb Packages
Using the APT