Course : Unix/Linux Exploit and Deployment

Practical course - 4d - 28h00 - Ref. UXE
Price : 2650 CHF E.T.

★★★★⯪ 4,5 / 5

This training will teach you how to manage and exploit your computer production environment.

Prerequisites

The students should be able to use basic computer hardware (monitor, keyboard, and mouse).

Course schedule

1 Concepts

- Tasks and rôles.
- Method.
- Audit.
- System Administration Tools.
- Real and virtual machines.

Hands-on work
Overview of admin tools.

2 Installing the system and packages

- Installing a system.
- Managing rpm packages.
- Updating machines.
- Troubleshooting.

Hands-on work
Installing the system and a rpm package.

3 Volume Management

- Disks.
- File systems.
- Partitioning, RAID.
- Monitoring and availability.

Hands-on work
Formating, disk partitioning, using logical volumes and creating a file system.

(4) Backup and Restore Data

- Concepts.
- Planning backups.
- Full, differential and incremental backups.
- Restore

Hands-on work
Configuring backups, planning the restore.

(5) Network Configuration

- Network concepts.
- Protocols : SMTP, POP3, HTTP, DNS, DHCP, …
- Managing servers.
- Maintenance : ping, traceroute.

Hands-on work
Configuring the network, setting up samba, DHCP, DNS.

(6) Monitoring your system with Nagios

- Monitoring your system.
- Setting up Nagios.
- Customizing Nagios.

Hands-on work
Installing Nagios, managing an incident.

(7) Writing scripts in bash and zsh

- Review of shell basics.
- Command line.
- Creating a shell script.
- Specific shell features.
- Text file processing
- Using sed and awk.
- Making reports.

Hands-on work
Managing scripts, reports, troubleshooting. Log rotation.

Dates and locations

REMOTE CLASS
2026 : 23 June, 23 June, 15 Dec., 15 Dec.