



MFE-IT

Reference: 2B/EN/LU

Linux/Unix Getting Started Training Course

Mastering the Basics of the Terminal and Shell Environment

Duration: 2 Days | Hours: 14 h

Remote · Sessions guaranteed from 1 registrant · 60% hands-on practice

DESCRIPTION

The command line is at the heart of any Unix or Linux system. It allows for fine control of the system, automated tasks, administration and development — and remains an essential skill in any modern IT career, whether you target sysadmin, DevOps, cybersecurity or development.

This Linux/Unix training course is aimed at anyone who wants to acquire a solid foundation in the shell environment, understand Unix logic and quickly become self-sufficient in a professional context. Hands-on labs cover navigation, file manipulation, permissions, processes, scripting and automation — turning the terminal from an obstacle into a productivity tool.

LEARNING OBJECTIVES

By the end of this training course, participants will be able to:

- Understand the Unix and Linux environment and how it works
- Use basic terminal commands effectively
- Navigate the file tree and manage permissions
- Manipulate files, redirect streams and chain commands with pipes
- Manage processes, schedule tasks and interact with the shell environment
- Work confidently in a Linux/Unix environment in a business setting

PREREQUISITES

- Comfortable using a computer (Windows, macOS or Linux)
- No prior knowledge of Linux required
- Technical curiosity is welcome

Because each participant is unique, a personalised interview is systematically organised in advance with our expert to design a training programme perfectly aligned with their objectives, level and professional challenges.

TARGET AUDIENCE

Junior technicians, developers, QA engineers and junior administrators starting their journey on Unix/Linux systems.

DETAILED PROGRAMME

The training alternates between theoretical input and hands-on practice (approximately 60% of the time). Modules are built around practical exercises based on real-world business use cases.

Module 1 – Introduction to Unix and Linux

- History and major distributions
- Terminal vs graphical interface, users and shells
- UNIX philosophy: 'everything is a file'

Module 2 – Navigating the File System

- Commands ls, cd, pwd, find, file, tree
- Relative and absolute paths
- Tree structure and standard directories

Module 3 – Handling Files and Folders

- Creating, deleting, moving, copying, renaming (mkdir, rm, mv, cp, touch)
- Redirections and pipes (>, >>, |)
- Searching content with grep, find and locate

Module 4 – Access Rights and Users

- Reading permissions (ls -l)
- Commands chmod, chown, umask
- Users, groups and rights management

Module 5 – Processes, Tasks and Environment

- Launching, monitoring, killing a process (ps, top, kill)
- Environment variables and shell configuration
- Text editors (nano, vi) and simple scripts

Module 6 – Automation and Useful Commands

- Scheduling with cron and at
- Log viewing and compression (tar, gzip, zip)
- Device mounting and basic network commands (ping, netstat, ss)

TEACHING METHODS

Format and Delivery

The training is delivered remotely via an interactive virtual classroom. It can also be delivered on-site, with content customised to match the needs of your professional project. The theory/practice split is approximately 40%/60%.

MFE-IT Ultra-Personalised Format

Each session accommodates between 1 and 3 participants, ensuring highly individualised support. A preliminary interview allows us to tailor the content to each participant's profile. Inter-company sessions are guaranteed from just 1 registrant (except in cases of force majeure).

Skills Assessment

Throughout the training, the trainer assesses participant progress through multiple-choice questions, role-playing exercises and hands-on work. At the end, a certificate of achievement is issued to each participant.

Post-Training Support

For one month following the training, each participant can contact MFE-IT trainers with questions about implementing acquired knowledge. A response is provided by email or telephone within 48 working hours.

Accessibility

MFE-IT is committed to welcoming people with disabilities. Contact: contact@mfe-it.com.

PRACTICAL INFORMATION

Trainer Resources

- Structured demonstrations aligned with the detailed programme
- Exercise briefs and solutions throughout the training
- A ready-to-use technical environment for practical workshops
- Trainer validation of acquired knowledge at the end of each workshop
- Digital reference documents

Certification and Validation

At the end of the training, a certificate is sent by email specifying the objectives, nature, duration and assessment results. A completion certificate can also be provided on request.

Benefits for Participants

- Train from your workplace or home, with no travel required
- Benefit from an expert trainer-consultant on the subject
- Enjoy an ultra-personalised format (1 to 3 participants)
- Continue training even in the event of unforeseen circumstances

Benefits for the Organisation

- Optimise the training budget by reducing travel and accommodation costs
- Offer quality training to all employees, regardless of location
- Reduce absence time linked to travel
- Support team upskilling in all contexts