

Shell Programming in Unix/Linux

Description

This course introduces how to achieve greater security and intuitive skills through the Shell and the rich toolbox of Linux/Unix, and how to experiment with and use them. Learning to program in shell improves efficiency, automates repetitive tasks, and deepens your understanding of a system's internal workings. This language remains essential for anyone working with Unix or Linux, whether they are system administrators, developers, or infrastructure engineers.

Why learn shell programming

Shell programming is not just a technical tool. It is also a method to develop clear and structured logic. By creating tailored scripts, you can simplify complex processes and save valuable time. Mastering this skill is crucial for efficiently managing servers, administering systems, and securely deploying applications.

Course Content

- Concept of script
- Running a script
- Concept of variables
- Passing arguments to a script
- Test statements
- Arithmetic operations
- Manipulating strings
- Conditional execution statements
- Interactive execution statements
- Using functions
- Handling command-line options
- Handling menus
- Intercepting signals
- Debugging and troubleshooting a script

Lab / Exercises

- This course includes hands-on exercises designed to reinforce your knowledge and apply your skills in real-world professional scenarios.

Documentation

- Courseware included

Participant profiles

- Unix/Linux System Administrators
- Software Developers
- IT Infrastructure Engineers
- IT Operations Technicians

Prerequisites

- Basic knowledge of programming
- Experience with the vi or vim editor
- Fundamental understanding of Unix/Linux systems

Objectives

- Utilize the countless possibilities of the Linux/Unix Shell and the available tool palette
- Develop efficient working tools as well as small and medium-sized applications

Description

Programming in Shell on Unix/Linux training

Niveau

Intermédiaire

Classroom Registration Price (CHF)

2300

Virtual Classroom Registration Price (CHF)

2150

Duration (in Days)

3

Reference

PSUL