

# Linux e-learning channel

*Practical course - 2d - 07h03 - Ref. 8LI*

*Price : 190 CHF E.T.*

Dive into the captivating world of Linux, where freedom, flexibility and customization are at the heart of every line of code. Are you ready to unleash your system's full potential? This specialized channel on the Linux operating system will help you grasp all its nuances and become an outstanding administrator.

## Teaching objectives

**At the end of the training, the participant will be able to:**

- ✓ Customize the console with a shell.
- ✓ Create, delete, edit or modify permissions in the tree structure of a Linux file system.
- ✓ Administer a Linux workstation from the command line.
- ✓ Write scripts that interact with the user.
- ✓ Manage variables and special characters.
- ✓ Use external commands.
- ✓ Use conditional statements and loops.
- ✓ Manage tables.

## Intended audience

IT professionals interested in system administration.

## Prerequisites

Basic knowledge of computer architecture. Linux experience would be a plus.

### **PARTICIPANTS**

IT professionals interested in system administration.

### **PREREQUISITES**

Basic knowledge of computer architecture. Linux experience would be a plus.

### **TRAINER QUALIFICATIONS**

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### **ASSESSMENT TERMS**

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## Practical details

### Digital activities

IT structure: recorded courses, expert videos and best practice sharing.

### Mentoring

L'option tutorat propose un accompagnement personnalisé par un formateur référent ORSYS, expert du domaine. Adapté aux besoins, aux capacités et au rythme de chaque apprenant, ce tutorat combine un suivi asynchrone (corrections personnalisées d'exercices, échanges illimités par message...) et des échanges synchrones individuels. Bénéfice : une meilleure compréhension, le développement des compétences et un engagement durable dans la formation.

### Pedagogy and practice

A wealth of content produced by trainers following a rigorous pedagogical approach. During each course, operational cases are commented on by experts to help learners put into practice what they have just learned. To help learners anchor their memory, each content item is broken down into short sequences of 3 to 10 minutes. This enables each learner to learn dynamically and independently.

## Course schedule

### 1 Scripting under Linux, learn the basics of Shell programming

- Create a script.
- Use variables and parameters.
- Create test instructions.
- Create and modify tables.
- Know the functions.

### 2 Linux, command-line administration of your workstation

- Understand Linux administration and its basic principles.
- Understand tree structure, directories and files.
- Create users and groups.
- System administration.

### TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.