

# Unix/Linux Open LDAP Directory Service

**Hands-on course of 3 days - 21h**

**Ref.: LDX - Price 2025: 2 080 (excl. taxes)**

*The price for the 2026 session dates may be revised*

## THE PROGRAMME

last updated: 03/2024

### 1) Introduction

- What is a name directory ?
- Distributed directory principle.
- Directory Framework.
- LDAP Standards : OSI, X500.
- OpenLDAP Directories.

*Hands-on work : Installing LDAP on a Linux System. Configuration files and customization.*

### 2) LDAP Framework and setup

- LDAP models.
- Managing data and model.
- Managing LDAP Scheme.
- Naming and designing your LDAP service.
- LDAP access.
- Distribution model.

*Hands-on work : Designing an LDAP directory. Extending the LDAP scheme. Using authentication. Making LDAP requests. Using fetch requests. Setting up SLURP. Using referrals to other name services.*

### 3) Name directory security strategy

- Authentication.
- LDAP and secure LDAP.
- Security protocols and communications.
- Integrating security frameworks in LDAP (RSA, DES, etc.).

*Hands-on work : Integrating SSL module in OpenLDAP. Securing data access. User authentication.*

### 4) Developing applications using LDAP

- LDAP Development interfaces.
- Using directory features in scripts.
- Web access : LDAP access URL.
- Interface between LDAP and JAVA.

*Hands-on work : Programming OpenLDAP Access. C APIs for LDAP. Windows client accessing an OpenLDAP server on a Unix system.*

### 5) Conclusion

- Other directory products on Unix/Linux : Netscape, Netware Directory Service, Sun/Oracle Solutions.
- Tools to help building directories. Meta-directories.
- Designing an Enterprise Directory solution.

### 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.

### 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.

## DATES

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### REMOTE CLASS

2025 : 03 déc.

2026 : 16 mars, 08 juin, 23 sept.,  
30 nov.