

# Course : Mac OS, administration

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

You'll learn the essentials for installing, configuring and administering a fleet of machines running Mac OS X on a day-to-day basis. You'll see how to install and update the system and software, manage users, disks and the network, and protect yourself via backup/restore.

## Teaching objectives

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

- ✓ Installing and configuring a computer with Mac OS X
- ✓ Personalize the work environment
- ✓ Installing and uninstalling programs
- ✓ Save user environment

## Intended audience

Systems and network technicians, administrators and engineers.

## Prerequisites

Good knowledge of how to use a Mac OS X workstation, or knowledge equivalent to that provided by the course "Mac OS X, getting started" (Ref. CAM).

## Practical details

### Hands-on work

Alternating practice and theory

## Course schedule

### 1 Installation

- Mac OS X system installation.
- System update.
- Install and remove software using packages or alternative tools such as MacPorts and Fink.

### Hands-on work

Installation of a Mac OS X client and updates.

### PARTICIPANTS

Systems and network technicians, administrators and engineers.

### PREREQUISITES

Good knowledge of how to use a Mac OS X workstation, or knowledge equivalent to that provided by the course "Mac OS X, getting started" (Ref. CAM).

### 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.

## 2 User management

- Account features. User creation. Detailed settings. Deleting a user.
- System account features.
- Preference management.
- Connection configuration.

### Hands-on work

Create and configure a user account.

## 3 Disk management

- Disk utility and volume management.
- Adding disks, partitioning.
- Create and maintain file systems.
- Virtual memory management.
- Logging.

### Hands-on work

Adding a disk and mounting the volume.

## 4 Mac OS X file system management

- File system hierarchy.
- System/library/user folder roles.
- User environment. Backup.

### Hands-on work

Total or partial backup of the user environment.

## 5 Backup and restoration

- Backup files on removable volumes.
- Create images for burning (DVD-RW).
- Synchronization tools.
- The Time Machine tool.
- Clone boot disk (Carbon Copy Cloner).

### Hands-on work

Time Machine backup and creation of backup disks.

## 6 Network management

- Ethernet and Airport network configuration.
- Network utilities: traceroute, ping...
- Heterogeneous setting and sharing (Mac, Windows).
- Protocols and access. Settings.
- Access to directories.
- Printer sharing.
- Access to network printers.

### Hands-on work

Configure the network and share a folder.

### 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.

## 7 Terminal operation

- Shell selection.
- View volumes, files and log files.
- Browse the tree structure.
- Root account access.

### Hands-on work

Using the command line.