

Course : Windows 11, Installation and administration

Practical course - 4d - 28h00 - Ref. YWB

Price : 2650 CHF E.T.



4,4 / 5

BEST

Install and administer Windows 11, Microsoft's new client operating system, with this course. You'll learn how to configure and optimize the system for optimum performance. You'll see how to perform administration tasks, share and synchronize data between users and applications, and implement Windows 11 technologies to secure network connections and data for different users, whether mobile or stationary.



Teaching objectives

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

- ✓ Learn about the main new features of the new Windows 11 operating system
- ✓ Installing, configuring and setting up a computer with Windows 11
- ✓ Customize work environment: components on MMC consoles, user space
- ✓ Perform routine administration tasks with Windows 11
- ✓ Installing and uninstalling programs with Windows

Intended audience

Systems and network technicians, administrators and engineers.

Prerequisites

Basic computer skills.

Practical details

Discussions, experience sharing, demonstrations, tutorials and case studies.

Teaching methods

Active pedagogy based on examples, demonstrations, experience sharing, case studies and assessment of learning throughout the course.

Course schedule

PARTICIPANTS

Systems and network technicians, administrators and engineers.

PREREQUISITES

Basic computer skills.

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.

1 Overview and installation of Windows 11

- Positioning Windows 11 in the Microsoft offering.
- The different versions and their functionalities.
- New hardware requirements. TPM 2.0 chip.
- Types and methods of installation, upgrading to Windows 11.
- Setting up a VHD dual boot.
- Updating to Windows 11 from a previous version.
- License management and new authentication process.
- Range of supported processors.
- Recommendations and post-installation settings.
- Booting from a USB source.

Hands-on work

Installing Windows 11.

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.

2 Deploying Windows 11

- Microsoft solutions (ADK, MDT, WDS).
- Windows 11 image capture.
- Preparation and creation of WIM images.
- Customize a WIM image (add drivers or software).
- Install Windows on a virtual machine (creation, deployment, boot, mount, etc.).
- Boot options (WIM/PE).
- Automate deployment methods with ADK.
- Migration of user profiles.

Hands-on work

Preparation and creation of WIM and master images, installation of Windows 11 in a virtual machine.

3 Hardware and software configuration

- Device management (updates, uninstallation, signature, etc.).
- Device management with DriverStore.
- Set up software restriction strategies via AppLocker.
- Web browser security configuration.

Hands-on work

Installation and provisioning of device drivers.

4 Working environment

- Preinstalled Store applications.
- What's new in the Windows 11 interface.
- The new Start menu.
- Personalize and standardize the Start Menu.
- Reorganize your environment with Snap Layouts.
- Different authentication methods (Windows Hello).
- Hidden shortcuts.
- Task manager (simple and detailed views).
- The registry.

Hands-on work

Getting to grips with the user environment. Customize user interface.

5 Network connectivity

- Configure TCP/IP network settings.
- Name resolution support for TCP/IP.
- Configure network parameters.
- Configure wireless connection using the new menu.
- Setting up the Defender firewall.
- Advanced firewall configuration.
- Introduction to PowerShell with network commands.

Hands-on work

Network configuration. IPv4 and IPv6 configuration.

6 Access to resources

- Configuring Windows 11 resource sharing.
- UEFI management
- Define access authorizations for shared resources.
- User access control (UAC) configuration.
- Configure signatures and certificates.

Hands-on work

Share data between multiple machines, optimize secure file access.

7 Mobility

- Installation of BitLocker (hard disks) and Bitlocker To Go (USB).
- Fast assistance.
- Teams integration.
- Administration of Bitlocker recovery keys.
- Optimization of mobility functions (file history).
- Configure remote connections (VPN, Remote Desktop, etc.).
- New Android apps thanks to Amazon AppStore.
- The new Windows As a Service services.

Hands-on work

Setting up Bitlocker, installing an Android application.

8 Monitoring and maintenance

- Implementation of the Windows 11 update strategy (Windows Update).
- The new Windows Update options.
- Disk space management (dynamic disks, partitions, etc.).
- Recovery options in Windows 11.
- Partition maintenance (defragmentation, expansion, mounting, etc.).
- Dynamic RAID on disks.
- System monitoring (events, counters, alerts, etc.).

Hands-on work

Use of system monitoring tools.

9 Backup and restoration

- Configuring and using system restore points.
- Set up a backup and restore strategy.
- Configuration of instant restore options.

Hands-on work

Use of system restore points.

Dates and locations

REMOTE CLASS

2026 : 24 Mar., 2 June, 28 July, 22 Sep., 1 Dec.