

Course : Windows 11, security and performance

Practical course - 3d - 21h00 - Ref. W1S

Price : 2100 CHF E.T.

This training course will teach you how to optimize Windows 11 performance and master the techniques and tools needed to ensure a high level of security.

Teaching objectives

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

- ✓ Learn about the main security features of Windows 11
- ✓ Managing and moving encrypted files
- ✓ Manage user account rights (ACLs)
- ✓ Mastering the Windows 11 firewall and its advanced functions

Intended audience

Technicians and system/network administrators.

Prerequisites

Good knowledge of Windows 11 administration.

Course schedule

1 Safety fundamentals

- What is safety?
- The new challenges of safety in the current context.
- Optimizing security with Windows: new features.
- Overview of the new security features in Windows 11.

Hands-on work

Using the new security features in Windows 11.

PARTICIPANTS

Technicians and system/network administrators.

PREREQUISITES

Good knowledge of Windows 11 administration.

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 Windows 11 startup security

- The UEFI contribution.
- The TPM 2.0 chip and BitLocker.
- BitLocker recovery key management.
- The different Windows authentication methods.

Hands-on work

Encrypting a system partition with BitLocker. Saving the BitLocker recovery key.

3 System and file security

- NTFS rights management.
- UAC.
- Windows Update and WSUS.
- Securing system files using restore points.
- History of user files.
- Backup and System Image.
- The registry.
- Test your system's security with MBSA.

Hands-on work

Setup, creation and restoration using restore points.

4 Equipment safety

- Driver signature management.
- Secure driver installation with DriverStore.
- Dynamic disk management.

Hands-on work

Check driver signatures. Add drivers to DriverStore.

5 Network security

- TCP/IP configuration.
- Defender firewall.
- VPN connection.

Hands-on work

Adjust firewall rules.

6 Application security

- Windows Store applications.
- The new Amazon AppStore applications.
- Secure browsing with Web browser settings.
- The task manager.
- Monitor applications: dependent services and startup.
- Block the use of applications with AppLocker.

Hands-on work

Remove applications from the Store using Powershell Appx commands.
Disable services. Optimize applications launched unnecessarily at startup.

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 Optimization and performance

- The new Windows 11 Settings menu options.
- The performance monitor.
- Visualize events using the reliability monitor.
- The resource monitor: a check-up of your PC.

Hands-on work

Detect a problem or slowdown using Windows 11 resource, performance and reliability monitors.

Dates and locations

REMOTE CLASS

2026: 25 Mar., 8 June, 23 Sep., 16 Dec.