

Course : Windows 10, deployment

Practical course - 3d - 21h00 - Ref. WOP
Price : 2110 CHF E.T.

Implement the various techniques for deploying Windows 10 workstations, with a view to efficiency and productivity. You'll see the new tools on offer and learn how to create, customize and distribute images in line with business needs.

Teaching objectives

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

- ✓ Implement the various deployment techniques for Windows 10 workstations
- ✓ Install and configure ADK (Windows Deployment and Evaluation Kit)
- ✓ Installing and customizing Windows with WinPE (Windows PE)
- ✓ Creating and customizing Windows 10 WIM images
- ✓ Implementing a Lite Touch scenario with MDT

Intended audience

Systems and network technicians, Windows administrators.

Prerequisites

Good knowledge of installation and administration of Windows workstations (10, 8, 7 or Vista) and of TCP/IP management under Windows.

Course schedule

1 Deployment tools

- Presentation of different tools (ADK, MDT, etc.).
- The technologies (WIM format, etc.) used to deploy Windows 10.
- Generate the reference computer.

2 User State Migration Tool (USMT)

- Preparing the environment for migration.
- Using ScanState.
- Using Windows Easy Transfer (migwiz).

Hands-on work

Migrate a profile from Windows to Windows.

PARTICIPANTS

Systems and network technicians,
Windows administrators.

PREREQUISITES

Good knowledge of installation and administration of Windows workstations (10, 8, 7 or Vista) and of TCP/IP management under Windows.

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.

3 Creating custom Windows 10 images

- Customize a template image using WADK.
- Deployment Image Servicing and Management. Driver and package management.
- Install and configure ADK. Deploy Windows 10 with the new tools.
- Create an image with ImageX. Customize a WIM image. Deploy Windows 10 with ImageX.
- Create a WIM image from a sample system. Deploy using Boot VHD.
- WIM to VHD image conversion.

Hands-on work

Create and customize Windows 10 WIM images.

4 Windows PE customizations

- Create WinPE boot media. Test WinPE.
- Integration of specific drivers with drvload.
- Adding packages to WinPE with PEimg.

Hands-on work

Create a WinPE bootable CD. Customize WinPE. Add scripts to WinPE.

5 Windows Deployment Services (WDS)

- Install WDS and use images with WDS.
- Multicast implementation.
- Targeting of drivers corresponding to customer hardware.

Hands-on work

Installation and configuration of a WDS deployment solution.

6 Microsoft Deployment Toolkit (MDT)

- MDT features. Setting up an LTI deployment. Create a task sequence.
- Creating a deployment image. Scripts.
- Lite Touch and Zero Touch deployment with MDT.

Hands-on work

Implementing a Lite Touch scenario with MDT.

7 Activation management

- Activation model selection. Active Directory-based activation.
- Assign multiple activation keys (MAK). Deploy key management services (KMS).
- License activation tools.
- Request activation status.
- Inventory the environment with VAMT.

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 and locations

REMOTE CLASS

2026 : 8 June, 16 Nov.