Publication date : 06/13/2024

Course : SCCM CB, operating system deployment

Practical course - 3d - 21h - Ref. SSS
Price : 1800 € E.T.

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Through an operational approach to System Center Configuration Manager, Microsoft's IT asset management tool, this training course will enable you to get to grips with all aspects of Windows 10 system deployment automation.

Teaching objectives

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

- Manage boot images.
- Master USMT.
- Keep images offline.
- Deploy task sequences.

Intended audience

System administrators and engineers.

Prerequisites

Good knowledge of SCCM 2012 or CB and Microsoft client and server environments.

Course schedule

1 Operating system deployment

- System deployment terminology.
- Deployment concepts.
- SCCM architecture used for deployment.
- Different installation scenarios (new system, refresh, replacement).

Hands-on work

Preparing the infrastructure for operating system deployments.

PARTICIPANTS

System administrators and engineers.

PREREQUISITES

Good knowledge of SCCM 2012 or CB and Microsoft client and server environments.

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 Management of boot and installation images and device drivers

- WinPE overview.
- Customize startup images.
- Management of Windows 10 installation and upgrade images.
- Maintenance of installation images (system image packages and upgrade packages).
- SCCM configuration.
- Import and manage drivers.
- Using drivers in task sequences.

Hands-on work

Create and customize startup images for SCCM.

3 User State Migration Tool

- How USMT works.
- Integration with state migration point.
- Use of USMT in task sequences.

Hands-on work

Recover user data from a source machine and restore it on a target machine.

4 Offline image maintenance

- How offline maintenance works.
- Add drivers, Windows updates, features and language packs.
- Overview of SCCM, WSUS and Windows logs used to deploy software updates.
- Troubleshooting server-side and client-side automatic deployment rules.

Hands-on work

Troubleshooting an automatic deployment rule, client-side troubleshooting.

5 Deploying task sequences

- Task sequences.
- Use of variables.
- Customize task sequences for upgrade and refresh deployments.
- Dynamic application installation.
- Use of user and computer affinities.
- Creation of prepared and stand-alone media.
- Deployment troubleshooting.
- Using the console and reports for monitoring.

Hands-on work

Deployment of a Build & Capture task sequence and a Windows 10 upgrade task sequence in PXE.

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 : 30 Mar., 22 June, 7 Oct., 25 Nov.

PARIS LA DÉFENSE
2026 : 22 June, 7 Oct., 25 Nov.