

# Course : WSUS 4.0, configuration and update management

in Microsoft 2016 and 2012 server environments  
*Practical course - 3d - 21h00 - Ref. SUW*  
*Price : 2110 CHF E.T.*

Learn how to manage software distribution and updates with WSUS 4.0 on Windows Server 2012 R2 and 2016 systems. In this course, you'll learn how to install and configure WSUS, perform routine administration tasks, schedule updates and apply security fixes.

## Teaching objectives

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

- ✓ Installing and configuring WSUS
- ✓ Perform routine administrative tasks
- ✓ Schedule updates
- ✓ Apply safety corrections
- ✓ Use Reporting functions

## Intended audience

System administrators and engineers.

## Prerequisites

Basic knowledge of Windows 2008, 2003 or 2000 server administration.  
Experience desirable.

## Course schedule

### PARTICIPANTS

System administrators and engineers.

### PREREQUISITES

Basic knowledge of Windows 2008, 2003 or 2000 server administration.  
Experience desirable.

### 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.

## 1 Architecture and installation

- Microsoft updates.
- Overall view of the deployment project.
- Implementation of WSUS 4.0 within the project.
- Complete or console installation.
- Windows Server Update Services (WSUS).
- Internal and remote SQL databases.

### Hands-on work

Definition of patch deployment architecture and deployment.

## 2 Master basic administration

- WSUS 4.0 administration management.
- Administration console, connection.
- Network equipment configuration.
- WSUSUTIL and WUAUCLT commands.
- Interaction with Active Directory.
- Group policies for Windows Update.
- Stand-alone mode, disconnected server mode.

### Hands-on work

Viewing clients in the WSUS console. Setting up the WSUS server in disconnected mode.

## 3 Setting up security

- Setting up WSUS Replica and standalone WSUS servers.
- Security of metadata transfer.
- Backup and restore.
- Set up the SSL protocol between the server and WSUS clients.
- Patch approval and associated reports.
- Create and export root certificates for customers.

### Hands-on work

Retrieve and approve updates. Execute patch approval and generate reports.

## 4 Implement deployment

- Setting up WSUS Master servers.
- Computer groups on the master server.
- MASTER-WSUS server synchronization settings.
- WSUS database export procedure for/and on disconnected site.
- WSUS client deployment via regedit or GPO.
- System Center Configuration Manager 2012 R2 and WSUS 4.0
- Uninstalling WSUS 4.0.

### Hands-on work

Verification of deployment and updates. Patch management from remote sites. Uninstall WSUS 4.0 from a server.

### 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.

## 5 Use Reporting functions

- WSUS 4.0 report generation.
- update and computer reports.
- The reporting group.

### Hands-on work

Use update reports, computer reports and synchronization reports.