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.

(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.