# Course : Windows Server 2019, desktop and application virtualization

*Practical course - 5d - 35h00 - Ref. WSJ*
*Price : 3180 CHF E.T.*

This course will give you the knowledge you need to implement and manage desktop and application virtualization with Windows Server.

## Teaching objectives

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

- Understanding Microsoft desktop virtualization technologies
- Select the most appropriate solution for your context
- Learn how to configure and distribute virtualized applications to users
- Create, configure and distribute virtual machines to users
- Be able to implement and monitor a virtual desktop infrastructure

## Intended audience

Architects, engineers and system administrators responsible for setting up virtualized desktops.

## Prerequisites

Basic knowledge of networks. Ability to install, configure and troubleshoot Windows computers, and knowledge of Windows Server roles and services.

## Practical details

**Hands-on work**

Training alternating theory and practice. Everything we learn is put into practice.

## Course schedule

**1   Overview of application virtualization scenarios**

- Overview of virtualization solutions.
- Usage scenarios.
- Considerations for implementation.

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**PARTICIPANTS**
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**PREREQUISITES**
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**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　Planning and implementing virtualization with App-V

- Presentation of user state virtualization.
- Configuration of roaming profiles and directory redirection.
- UE-V configuration.
- Introducing App-V application virtualization.
- Application virtualization planning.
- Deploy Application Virtualization servers.

## 3　App-V management and maintenance

- Publish applications in the App-V environment.
- Perform advanced administration tasks for application virtualization.
- App-V Remoting.
- App-V client overview.
- Install and configure the App-V client.
- Management of customer configuration functions.

## 4　Configuring the Hyper-V client

- Overview.
- Create virtual machines.
- Virtual hard disk management.

## 5　Session-based computers and RemoteApp programs

- Remote Desktop Services overview.
- Planning.
- Deployment.
- Implementation of high availability.
- Application publishing.
- Working with RemoteApp programs.

## 6　Infrastructure planning and implementation for individual and grouped offices

- Overview of individual and grouped offices.
- Plan and optimize office models.
- Storage planning for individual and grouped offices.
- Planning options for individual and grouped offices.

## 7　VDI implementation

- Monitor desktop virtualization infrastructure.
- Extend VDI outside the company.
- Control access to the RD footbridge.
- Overview of desktop monitoring and application virtualization.

## 8　Application sequencing for virtualization

- Overview of application sequencing.
- Planning and configuration of sequencer environment.
- Execute application sequencing.
- Advanced sequencing scenarios.