# ITTcert
## BY ORSYS

# Course : Administering Windows Server Hybrid Core Infrastructure (Microsoft AZ-800)

**Official AZ-800 course, exam preparation**

*Practical course - 4d - 28h00 - Ref. A80*
*Price : 2790 € E.T.*

With this course, you'll learn how to manage key Windows Server workloads and services using on-premise, hybrid and cloud technologies. You'll learn how to implement and administer hybrid solutions such as identity, management, networking, storage and compute resources in a Windows Server environment.

## Teaching objectives

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

- Manage Active Directory on site and in hybrid mode.
- Administer Windows Server with Windows Admin Center and PowerShell.
- Manage virtual machines and containers.
- Configure network (DNS, IP, hybrid connectivity).
- Manage storage and file services.

## Intended audience

Windows Server hybrid administrators with experience of Windows Server, who want to extend the capabilities of their local environment by integrating hybrid technologies.

## Prerequisites

Good knowledge of Windows Server administration and the basics of networking, security and virtualization.

## Practical details

**Teaching methods**

Training in French. Official course material in digital format and in English. Good understanding of written English.

## Course schedule

### 1  Deploy and manage an identity infrastructure

- Introduction to AD DS.
- Manage AD DS domain controllers and FSMO roles.
- Implement Group Policy Objects (GPOs).
- Manage advanced AD DS features.
- Implement a hybrid identity with Windows Server.
- Deploy and manage AD DS IaaS domain controllers in Azure.

### 2  Managing Windows Server and workloads in a hybrid environment

- Perform secure Windows Server administration.
- Describe Windows Server administration tools.
- Post-installation configuration of Windows Server.
- Administer and manage Windows Server IaaS virtual machines remotely.
- Manage hybrid workloads with Azure Arc.
- Optimize operations and management with Azure Automanage.
- Implement Just Enough Administration on Windows Server.

### 3  Managing virtualization and containers in a hybrid environment

- Configure and manage Hyper-V.
- Configure and manage Hyper-V virtual machines.
- Secure Hyper-V workloads.
- Plan and deploy Windows Server IaaS virtual machines.
- Customize Windows Server IaaS virtual machine images.
- Automate the configuration of Windows Server IaaS virtual machines.
- Running containers on Windows Server.
- Orchestrate Windows Server containers with Kubernetes.

### 4  Implement and operate a local and hybrid network infrastructure

- Implement DNS for Windows Server virtual machines in IaaS.
- Deploy and manage DHCP.
- Implement Windows Server DNS.
- Implement IP address management (IPAM).
- Implement remote access (Web Application Proxy).
- Implement a hybrid network infrastructure.
- Manage IP addressing and routing of Windows Server IaaS VMs.

### 5  Configuring file and storage services

- Manage Windows Server file servers.
- Implement Storage Spaces and Storage Spaces Direct.
- Implement data deduplication.
- Implement iSCSI on Windows Server.
- Implement Storage Replica on Windows Server.
- Implement a hybrid file server infrastructure (Azure File Sync, DFS migration).

## Options

**Certification : 200 € HT**

This course prepares you to take the AZ-800 exam "Administering Windows Server Hybrid Core Infrastructure". Successful completion of the AZ-800 and AZ-801 exams leads to certification as a "Microsoft Certified: Windows Server Hybrid Administrator Associate".
Comment passer votre examen ?

The certification option comes in the form of a voucher and practice tests that will allow you to practise and take the exam at the end of the training course.

## Dates and locations

**REMOTE CLASS**
2026 : 17 Mar., 26 May, 13 Oct., 17 Nov.