

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.

PARTICIPANTS

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.

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

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).

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

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.