

Course : Administer Windows Server (Microsoft AZ-802)

Official AZ-802 Course: Exam Preparation

Practical course - 5d - 35h00 - Ref. A82

Price : 3190 € E.T.

NEW

In this course, you will learn how to deploy, manage, secure, and troubleshoot Windows Server in on-premises, hybrid, and cloud environments, including Active Directory, virtual machines, networking, storage, and key Microsoft management tools.

Teaching objectives

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

- ✓ Deploy and Manage Active Directory (AD DS)
- ✓ Managing Windows Server in a Hybrid Environment
- ✓ Manage Virtual Machines
- ✓ Configure the network and storage services
- ✓ Securing, Monitoring, and Troubleshooting Windows Server

Intended audience

Windows Server administrators responsible for deploying, managing, and troubleshooting on-premises, cloud, or hybrid environments, who already have experience with the main Microsoft administration tools.

Prerequisites

Experience in Windows Server administration and knowledge of Active Directory (AD DS), as well as key administration tools such as PowerShell, Windows Admin Center, and Hyper-V.

Course schedule

PARTICIPANTS

Windows Server administrators responsible for deploying, managing, and troubleshooting on-premises, cloud, or hybrid environments, who already have experience with the main Microsoft administration tools.

PREREQUISITES

Experience in Windows Server administration and knowledge of Active Directory (AD DS), as well as key administration tools such as PowerShell, Windows Admin Center, and Hyper-V.

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.

1 Deploy and Manage Active Directory Domain Services (AD DS)

- Deploy and manage Active Directory Domain Services domain controllers.
- Deploy and manage IaaS Active Directory domain controllers in Azure.
- Manage AD DS domain controllers and FSMO roles.
- Create and manage Active Directory objects.
- Implement a hybrid identity with Windows Server.
- Create and configure Group Policy Objects (GPOs) in Active Directory.
- Deploy Group Policy Objects (GPOs).
- Manage advanced AD DS features.

2 Manage Windows Server Instances and Workloads in a Hybrid

Environment

- Remotely administer and manage Windows Server IaaS virtual machines.
- Learn about Windows Server administration tools.
- Implement Just Enough Administration (JEA) in Windows Server.
- Securely manage Windows Server.
- Use advanced remote management techniques with Windows PowerShell.
- Manage one or more computers remotely using Windows PowerShell.
- Manage hybrid workloads with Azure Arc.
- Manage Azure updates.
- Automate the configuration of Windows Server IaaS virtual machines.
- Strengthen the security configuration of virtual machines with Azure Machine Configuration.
- Discover Azure Automation with DevOps.

3 Manage Virtual Machines

- Configure and manage Hyper-V virtual machines.
- Configure and manage Hyper-V.
- Securing Hyper-V workloads.
- Implement high availability for Windows Server virtual machines.
- Run containers on Windows Server.
- Plan and deploy Windows Server IaaS virtual machines.
- Implement scalability and high availability for Windows Server virtual machines.
- Configure IP addressing and routing for Windows Server IaaS virtual machines.
- Implement network security for Windows Server IaaS virtual machines.
- Remotely administer and manage Windows Server IaaS virtual machines.

4 Implement and manage a local and hybrid network infrastructure

- Implement DNS with Windows Server.
- Implement DNS for Windows Server IaaS virtual machines.
- Securing DNS on Windows Server.
- Deploy and manage DHCP.
- Implement IP address management (IPAM).
- Configure IP addressing and routing for Windows Server IaaS virtual machines.

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.

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.

5 Manage Storage and File Services

- Implement a hybrid file server infrastructure.
- Manage Windows Server file servers.
- Implement storage spaces and Storage Spaces Direct.
- Implement Windows Server data deduplication.
- Implement iSCSI on Windows Server.
- Implement Storage Replica on Windows Server.

Options

Certification : 190 € H.T.

Official course to prepare for the “Microsoft Certified: Windows Server Administrator Associate” certification.

[Comment passer votre examen ?](#)

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Dates and locations

REMOTE CLASS

2026 : 14 Dec.

2027 : 1 Mar., 31 May, 20 Sep., 13 Dec.

PARIS LA DÉFENSE

2026 : 7 Dec.

2027 : 22 Feb., 24 May, 13 Sep., 6 Dec.