

Course : Configure Windows Server Hybrid Advanced Services (Microsoft AZ-801)

Official AZ-801 course, exam preparation

Practical course - 4d - 28h00 - Ref. A81

Price : 2990 € E.T.

With this course, you'll learn how to configure advanced Windows Server services in local, hybrid or cloud environments. You'll learn how to use Azure's hybrid features, migrate physical or virtual servers to Azure, and secure Windows Server virtual machines. You'll also develop skills in high availability, troubleshooting and disaster recovery. Finally, you'll discover tools like Windows Admin Center, PowerShell, Azure Arc, Azure Migrate, and other security and management solutions in Azure.

Teaching objectives

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

- ✓ Configure and manage Windows Server services in a hybrid environment.
- ✓ Migrate physical or virtual servers to Azure.
- ✓ Secure virtual machines and Windows Server environments.
- ✓ Implement high availability and disaster recovery.
- ✓ Monitor, troubleshoot and optimize services with Azure and Windows Admin Center tools.

Intended audience

Windows Server administrators who want to combine their local environments with Azure hybrid technologies to secure, migrate, monitor and optimize their infrastructures.

Prerequisites

Good experience of Windows Server administration and a basic understanding of Azure and cloud services.

PARTICIPANTS

Windows Server administrators who want to combine their local environments with Azure hybrid technologies to secure, migrate, monitor and optimize their infrastructures.

PREREQUISITES

Good experience of Windows Server administration and a basic understanding of Azure and cloud services.

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.

Certification

This course prepares you to take the AZ-801 exam. 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 ?](#)

Practical details

Teaching methods

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

Course schedule

1 Securing on-premise and hybrid Windows Server infrastructures

- Implement network security for Windows Server IaaS virtual machines.
- Audit the security of Windows Server IaaS virtual machines.
- Manage updates with Azure Update Management.
- Create and apply application authorization lists with adaptive control.
- Configure BitLocker disk encryption for Windows IaaS virtual machines.
- Implement change tracking and file integrity monitoring.
- Securing the Windows Server DNS service.
- Securing user accounts in Windows Server.
- Reinforce Windows Server security configuration.
- Manage Windows Server updates.

2 Implementing high availability with Windows Server

- Introduction to shared cluster volumes.
- Implement Windows Server failover clustering.
- Ensure high availability of Windows Server virtual machines.
- Implement high availability for the Windows Server file server role.
- Implement scalability and high availability of Windows Server virtual machines.

3 Implementing disaster recovery with Windows Server hybrid

- Implement Hyper-V Replica.
- Implement hybrid backup and recovery with Windows Server IaaS virtual machines.
- Protect your local infrastructure against disasters with Azure Site Recovery.
- Protect your Azure infrastructure with Azure Site Recovery.
- Protect your virtual machines with Azure Backup.

4 Migrate servers and workloads in local and hybrid environments

- Migrate local Windows Server instances to Azure IaaS virtual machines.
- Upgrade and migrate Windows Server IaaS virtual machines.
- Migrate Active Directory Domain Services (AD DS).
- Migrate file server workloads with Storage Migration Service.
- Migrate Windows Server roles.

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 Supervise and troubleshoot Windows Server environments

- Supervise Windows Server IaaS virtual machines and hybrid instances.
- Monitor your Azure virtual machines with Azure Monitor.
- Monitor Windows Server performance.
- Manage and monitor Windows Server event logs.
- Implement Windows Server auditing and diagnostics.
- Troubleshoot local and hybrid network connectivity.
- Troubleshoot Windows Server virtual machines in Azure.
- Troubleshoot Active Directory.