

Course : Develop AI Cloud Solutions on Microsoft Azure (Microsoft AI-200)

Official AI-200 Course: Exam Preparation

Practical course - 5d - 35h00 - Ref. D2A

Price : 3430 € E.T.

★★★★☆ 4,6 / 5

NEW

ActionCo

Formation éligible au financement Atlas

In this course, you'll learn how to create and deploy AI solutions on Microsoft Azure, integrate services, and leverage data. By the end of the course, you'll be able to design secure and scalable AI applications.

Teaching objectives

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

- ✓ Create, monitor, and troubleshoot AI solutions on Azure
- ✓ Deploying Applications Using Containers and Serverless Services
- ✓ Integrating Services Using Event-Driven Architectures
- ✓ Leveraging Azure Data Services for AI
- ✓ Designing Secure, Scalable, and Observable AI Applications

Intended audience

Back-end and AI application developers on Azure who want to strengthen their skills in containerization, data, event-driven architectures, security, and monitoring.

Prerequisites

Experience in development and a solid foundation in Azure, application architectures, and the cloud. Good written English skills.

Practical details

Teaching methods

The training session will be conducted in French. Official course materials are available in digital format and in English.

Course schedule

PARTICIPANTS

Back-end and AI application developers on Azure who want to strengthen their skills in containerization, data, event-driven architectures, security, and monitoring.

PREREQUISITES

Experience in development and a solid foundation in Azure, application architectures, and the cloud. Good written English skills.

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 Implement containerized application hosting on Azure

- Store and Manage Containers in Azure Container Registry
- Deploy Containers to Azure App Service

Hands-on work

Create and manage a container image using ACR Tasks; deploy a container to Azure App Service.

2 Deploy and Manage Applications on Azure Container Apps

- Deploy Containers to Azure Container Apps
- Manage Containers in Azure Container Apps
- Scaling Containers

Hands-on work

Deploy a containerized back-end API, diagnose and fix a failed deployment, and configure autoscaling with KEDA.

3 Deploy and monitor applications on Azure Kubernetes Service

- Deploy applications to AKS
- Configure Applications on AKS
- Monitor and troubleshoot applications

Hands-on work

Deploy an AI inference API, configure applications on AKS, and troubleshoot issues on AKS.

4 Developing AI Solutions with Azure Cosmos DB (NoSQL)

- Create queries for Cosmos DB
- Implement vector search
- Optimize Query Performance

Hands-on work

Build an RAG document repository, create a semantic search application, and optimize it using vector indexes.

5 Develop AI Solutions with Azure Database for PostgreSQL

- Create and query data
- Implement vector search
- Optimizing Vector Search

Hands-on work

Build a back-end for an AI agent, implement vector search, and improve vector search performance.

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.

Options

Certification : 200 € H.T.

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Dates and locations

REMOTE CLASS

2026 : 23 Nov.

2027 : 22 Feb., 10 May, 5 July, 18 Oct.

LYON

2027 : 22 Feb., 10 May, 5 July, 18 Oct.

BORDEAUX

2027 : 10 May, 18 Oct.

NANTES

2027 : 22 Feb., 5 July, 18 Oct.

STRASBOURG

2027 : 10 May, 18 Oct.

PARIS LA DÉFENSE

2026 : 23 Nov.

2027 : 22 Feb., 10 May, 5 July, 18 Oct.

AIX-EN-PROVENCE

2027 : 10 May, 18 Oct.

LILLE

2027 : 10 May, 18 Oct.

RENNES

2027 : 10 May, 18 Oct.

TOULOUSE

2027 : 10 May, 18 Oct.