

Course : Building Agentic AI with Amazon Bedrock AgentCore

Official AWS Course

Practical course - 1d - 7h00 - Ref. AWI

Price : 870 € E.T.

NEW

In this training, you'll learn how to transform your proof-of-concept agents into production-ready agent-based AI solutions on Amazon Web Services, using Amazon Bedrock AgentCore for orchestration, identity management, and monitoring.

Teaching objectives

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

- ✓ Understanding what agent-based AI is and how it differs from traditional AI.
- ✓ Identify the components of an agent and the role of AgentCore services.
- ✓ Deploy secure, high-performance, and scalable agents.
- ✓ Integrate tools, APIs, and protocols to expand capabilities.
- ✓ Oversee monitoring, optimization, and deployment.

Intended audience

Developers and technical professionals who want to acquire intermediate-level skills in designing agent-based AI systems.

Prerequisites

Ideally, you should have completed the “Agentic AI Foundations” training course. You should have a good understanding of written English.

Practical details

Teaching methods

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

Course schedule

PARTICIPANTS

Developers and technical professionals who want to acquire intermediate-level skills in designing agent-based AI systems.

PREREQUISITES

Ideally, you should have completed the “Agentic AI Foundations” training course. You should have a good understanding of written English.

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.

1 Fundamentals of Agent-Based AI

- Agent Building Blocks.
- Introduction to Amazon Bedrock AgentCore.

2 Agent Development and Deployment

- Supported frameworks and implementation.
- Runtime AgentCore.
- Infrastructure and Deployment.

3 Security and Integration

- Identity Management and Security.
- AgentCore Policy and Identity.
- Tools, APIs, and Integrations (MCP, Gateway).

4 Memory and Monitoring in Production

- Agentic Memory and AgentCore Memory.
- Memory Protection.
- Observability and Performance Evaluation.

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.

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Dates and locations

REMOTE CLASS

2026 : 4 Dec.

2027 : 2 Apr., 28 May, 2 July, 10 Sep., 19 Nov., 17 Dec.

NANTES

2027 : 2 Apr., 28 May, 10 Sep., 19 Nov.

PARIS LA DÉFENSE

2027 : 2 Apr., 28 May, 2 July, 10 Sep., 19 Nov., 17 Dec.

LYON

2027 : 2 Apr., 28 May, 2 July, 17 Dec.