

Course : Building Advanced Agentic Systems on AWS

Official AWS Course

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

Price : 870 € E.T.

NEW

In this course, you'll learn how to design production-ready multi-agent systems using Amazon Bedrock AgentCore—including patterns, context optimization, security, and monitoring—to move from prototypes to scalable, secure AI solutions ready for real-world use.

Intended audience

Developers, technical professionals, and teams looking to design advanced agent-based AI systems.

Prerequisites

Ideally, you should have completed the “Agentic AI Foundations” and “Building Agentic AI with Amazon Bedrock AgentCore” training courses. You should have a good command of written English.

Certification

This course provides additional preparation for the [AWS Certified Generative AI Developer - Professional] certification.

[Comment passer votre examen ?](#)

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

1 Multi-agent architecture and communication patterns

- Limitations of a single agent and benefits of multi-agent systems.
- Multi-agent communication patterns.
- Memory and State Management.

Demonstration

Multi-agent Budget and Financial Analysis Assistant (Amazon Bedrock).

PARTICIPANTS

Developers, technical professionals, and teams looking to design advanced agent-based AI systems.

PREREQUISITES

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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.

2 Context Engineering and Performance Optimization

- Context as a limited resource.
- Context Optimization Techniques.
- Designing Tools for Contextual Effectiveness.

3 Security and Compliance

- Identity and Access Management (IAM) in Production.
- VPC Integration and Network Security.

4 Monitoring, Observability, and Production Deployment

- AgentCore Monitoring and Evaluation Architecture.
- Integration with enterprise observability.
- Deployment Strategies and the Well-Architected Framework.
- Deployment, continuous improvement, and conclusion.

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 : 18 Dec.

2027 : 26 Mar., 21 May, 25 June, 3 Sep., 5 Nov., 10 Dec.

LYON

2027 : 26 Mar., 25 June, 3 Sep., 10 Dec.

PARIS LA DÉFENSE

2026 : 11 Dec.

2027 : 26 Mar., 21 May, 25 June, 3 Sep., 5 Nov., 10 Dec.

NANTES

2027 : 26 Mar., 25 June, 3 Sep., 10 Dec.