ITTcert
BY ORSYS

Course : Amazon Web Services (AWS) - Generative AI Essentials on AWS

The fundamentals of generative AI on AWS

Practical course - 1d - 7h00 - Ref. AIW
Price : 850 € E.T.

NEW

With this training, you will learn the key concepts, methods, and strategies for using generative AI. You will understand the use cases where it can provide solutions and meet business needs. You will also discover the principles of related technologies and their application to solving concrete problems. At the end of the training, you will explore project planning and see how to approach the implementation of generative AI in your organization. Translated with DeepL.com (free version)

Teaching objectives

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

- ✔ Summarize the concepts, methods and strategies of generative AI
- ✔ Discuss the appropriate use of generative AI, Machine Learning and their technologies
- ✔ Describe how to use generative AI responsibly and securely
- ✔ Identify the types of generative AI solutions with concrete use cases
- ✔ Explain how to implement and plan generative AI projects in your organization

Intended audience
Business analysts, IT support, marketing professionals, product or project managers, business or IT managers, sales people.

Prerequisites
It is recommended that you have taken the "Technical Essentials" (AWG) course to gain a basic understanding of AWS.

Certification
Official course with no certification objective.
Comment passer votre examen ?

Practical details

Teaching methods

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

Course schedule

1 **Introduction to generative AI**

- Generative AI explained.
- Fundamental models.
- AWS generative AI services.

Demonstration
Generative AI solution.

2 **Exploring use cases for generative AI**

- Identify relevant use cases.
- Generative AI applications and use cases.
- Explore scenarios for using generative AI.

Case study
Use cases for classroom exercises.

3 **Prompt engineering essentials**

- Introduction to prompt engineering.
- Best practices for designing prompts.
- Advanced prompting strategies.
- Model settings and parameters.

Hands-on work
Optimized slogan generation with Amazon Bedrock.

4 **Principles and considerations for responsible AI**

- Introduction to responsible AI.
- Key dimensions of responsible AI.
- Considerations specific to generative AI.

Hands-on work
Implementing responsible AI principles with Amazon Bedrock Guardrails.

5 **Security, governance and compliance**

- Safety overview.
- Malicious prompts.
- Safety services for generative AI.
- Governance.
- Compliance.

6 Implementing generative AI projects

- Introduction: Generative AI applications.
- Define a use case.
- Select a fundamental model.
- Improving performance.
- Evaluate results.
- Deploy the application.

Demonstration
Amazon Q Business.

7 Integrating generative AI into the development cycle

- Introduction.

Hands-on work
Final project: Creating a project plan with generative AI.

8 Closing the course

- Next steps and additional resources.
- Course summary.

Dates and locations

REMOTE CLASS
2026 : 24 Mar., 25 Mar., 27 May, 16 June, 9 Sep., 29 Sep., 25 Nov., 8 Dec.

PARIS LA DÉFENSE
2026 : 18 Mar., 24 Mar., 20 May, 16 June, 2 Sep., 29 Sep., 18 Nov., 8 Dec.