Generative AI Essentials on AWS

Date and duration
Training code : AWS06EN Duration : 1 day Nombre d'heures : 7 heures
Training with certification
AWS Certified AI Practitionner Foundational
Body

AWS offers generative **AI services such as Amazon Bedrock**, which provides access to foundation models, and Amazon CodeWhisperer, a coding companion. These tools enable organizations to build innovative applications and enhance **developer productivity**. AWS also provides additional AI services for image analysis, transcription, and more.

This intensive training will give you the practical skills to **master the use of generative AI and related AWS services**. You will explore real-world use cases, the principles of prompt engineering, and the key considerations for responsible AI. Through hands-on workshops, you will learn how to design **effective prompts, evaluate outputs, and plan the implementation of AI projects**.

By the end of this one-day program, you will have the expertise to understand and apply artificial intelligence on AWS in a responsible and effective way. You will explore practical use cases, prompt engineering principles, and **responsible AI practices in depth**.

As a premium Authorized Training Partner (ATP) recognized by Amazon Web Services, Oo2 delivers qualifying and certifying training programs that meet AWS's rigorous quality standards.

Objectifs

By the end of the Generative AI Essentials on AWS training, you will be able to:

- Understand the core concepts, methods, and strategies of generative AI
- Select the right generative AI and machine learning tools for specific tasks
- Apply generative AI in a responsible and safe way
- Identify appropriate generative AI solutions for specific use cases
- Explain how to implement and plan generative AI projects within an organization
- Effectively prepare for the AWS AI Practitioner – Foundational certification exam

Points forts

- **Expert Instructors**: Benefit from the expertise of skilled trainers with in-depth knowledge of generative AI concepts, methods, and strategies, as well as the associated AWS services.
- **Interactive Hands-On Learning**: Master generative AI tools and techniques on AWS through real-world demonstrations, hands-on labs, and group exercises. You will be prepared to explore real use cases and plan the implementation of generative AI solutions.
- **Key Skills Acquisition**: The training content is carefully designed to help you gain essential skills in understanding generative AI principles, applying responsible practices, identifying appropriate solutions, and planning generative AI projects.

Certification

This training provides intensive preparation for the AWS Certified AI Practitioner – Foundational exam. At the end of the course, you will receive a voucher code to schedule your exam.

AWS AIF-C01 Exam Details:

- Format: Multiple-choice, 65 questions
- Duration: 90 minutes
- Delivery: Pearson VUE testing centers or AWS online proctoring platform
- Languages available: English, Japanese, Korean, Portuguese, and Chinese
- Passing score: Minimum of 700 points

Upon passing the exam, you will earn the AWS Certified AI Practitioner – Foundational certification and receive a digital badge.
Important to know: *The AWS AI Practitioner – Foundational certification is valid for three years and requires recertification. Learn more about AWS certification renewal.*

Modalités d'évaluation

Practical Work

Pré-requis

There are no prerequisites for attending this AWS training.

Public

This training is intended for the following audiences:

- **Business analysts** interested in understanding generative AI applications
- **IT support technicians** who want to become familiar with generative AI tools
- **Marketing and sales professionals l**ooking to explore generative AI in their campaigns
- **Product or project managers** seeking to integrate generative AI into their projects
- **IT leaders** who want to evaluate the potential of generative AI

Programme

Module 1: Introduction to Generative AI

- Fundamentals of generative AI
- Foundation models
- Generative AI services on AWS

- Overview of different generative AI tools

Module 2: Exploring Generative AI Use Cases

- Identifying appropriate use cases
- Applications and use cases of generative AI
- Generative AI scenario examples

Case Study:

- Analysis and discussion of a real-world generative AI use case

Module 3: Understanding Prompt Engineering Basics

- Fundamentals of prompt engineering
- Best practices for prompt design
- Advanced prompting strategies
- Model parameters

Lab:

- Optimize slogan generation with Amazon Bedrock

Module 4: Applying Responsible AI Practices

- Fundamentals of responsible AI
- Key considerations for generative AI

Lab:

- Apply responsible AI principles using Amazon Bedrock guardrails

Module 5: Understanding Security, Governance, and Compliance

- Fundamentals of security
- Managing undesirable prompts
- Security of generative AI services
- Fundamentals of governance
- Fundamentals of compliance

Module 6: Implementing Generative AI Projects

- Fundamentals of applying generative AI
- Defining a use case
- Selecting a foundation model
- Enhancing performance
- Evaluating results
- Deploying the application
- Introduction to Amazon Q Business assistant

Module 7: Integrating AI into the Development Lifecycle

- Fundamentals of integration

Lab:

- Create a project plan with generative AI

Module 8: Course Conclusion

- Review of key learning points
- Overview of AWS certification levels