

## Agentic AI Foundations

**Duración: 1 Día    Código del Curso: GK910031    Version: 1.1.9**

### Temario:

**In this course, you'll explore the core principles and strategies for designing agentic AI systems using AWS services.**

You'll learn how agentic AI differs from traditional conversational systems. You'll also discover how to use tools like Amazon Q Developer, Amazon Quick Suite, Kiro, Strands Agents SDK, and Amazon Bedrock AgentCore to build autonomous, goal-driven solutions that solve real-world problems.

- Course level: Fundamental
- Duration: 1 day

*Updated August 2026*

### Dirigido a:

**This course is intended for:**

- Software developers new to agentic AI seeking foundational knowledge
- Technical professionals exploring AI capabilities and interested in core components and applications of agentic AI
- Development teams evaluating agentic AI solutions and needing to differentiate between agent types
- AWS Users expanding into agentic AI, including current users of Amazon Q Developer, Amazon Quick Suite, and Amazon Bedrock AgentCore

### Objetivos:

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>■ <b>After this course participants should be able to:</b></li><li>■ Summarize the evolution of agentic AI and define what makes something agentic</li><li>■ Identify core components of agentic systems</li><li>■ Distinguish between workflow, autonomous, and hybrid agents</li><li>■ Identify basic implementation patterns for agentic AI</li><li>■ Compare AWS service options for agentic AI</li></ul> | <ul style="list-style-type: none"><li>■ Describe capabilities and use cases of Amazon Quick Suite, Amazon Q Developer, and Kiro</li><li>■ Explain Strands Agents framework and its applications</li><li>■ Build and customize a basic AI agent using Strands Agents SDK</li><li>■ Develop a simple task-specific agent for real-world application using Strands Agents SDK</li><li>■ Explain Amazon Bedrock AgentCore</li><li>■ Describe observability and interoperability patterns for production agentic AI systems</li></ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Prerequisites:

**We recommend that attendees of this course have:**

- Generative AI Essentials or equivalent work experience
- Basic AWS knowledge and software development experience
- GK4501 - AWS Technical Essentials
- GK910027 - Generative AI Essentials on AWS

### Exámenes y certificación

None

Siguientes cursos recomendados:

The following courses are recommended for further learning and development:

- GK910010 - Developing Generative AI applications on AWS

Contenido:

Day 1

Module 1: From LLMs to Agents

- Limitations of Large Language Models (LLMs)
- Innovations powering agents
- Evolution from LLMs to agentic AI systems

Module 2: Exploring Agentic AI

- Understanding agentic AI
- Types of AI agents
- Agentic AI applications

Module 3: Understanding Agentic AI Workflows

- Workflow patterns
- Amazon Bedrock flows overview

Module 4: AWS Agentic Development and Productivity Tools

- AWS agentic AI solutions
- Amazon Quick Suite
- Amazon Q Developer
- Hands-on lab: Accelerating software development using Amazon Q Developer
- Kiro: AI-powered integrated development environment (IDE) with spec-driven development

Module 5: Implementing agentic AI Frameworks with Amazon Bedrock AgentCore

- Agentic AI frameworks
- Hands-on lab: Getting started with Strands Agents
- Amazon Bedrock AgentCore

Module 6: Building Custom Solutions

- Customizing agentic infrastructure
- Observability and monitoring
- Agent interoperability

Module 7: Course Wrap-up

- Next steps and additional resources
- Course summary

Información Adicional:

Activities :

This course includes presentations, hands-on labs, and group exercises.

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

[info.cursos@globalknowledge.es](mailto:info.cursos@globalknowledge.es)

[www.globalknowledge.com/es-es/](http://www.globalknowledge.com/es-es/)

Global Knowledge Network Spain, C/ Retama 7, 6ª planta, 28045 Madrid