Agentic AI Foundations

Duración: 1 Días Código del Curso: GK910031 Version: 1.1.9 Método de Impartición: Curso Remoto (Virtual)

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

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Curso Remoto (Abierto)

Nuestra solución de formación remota o virtual, combina tecnologías de alta calidad y la experiencia de nuestros formadores, contenidos, ejercicios e interacción entre compañeros que estén atendiendo la formación, para garantizar una sesión formativa superior, independiente de la ubicación de los alumnos.

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:

- **After this course participants should be able to:**
- Summarize the evolution of agentic AI and define what makes something agentic
- Identify core components of agentic systems
- Distinguish between workflow, autonomous, and hybrid agents
- Identify basic implementation patterns for agentic AI
- Compare AWS service options for agentic AI
- Describe capabilities and use cases of Amazon Quick Suite, Amazon Q Developer, and Kiro
- Explain Strands Agents framework and its applications
- Build and customize a basic AI agent using Strands Agents SDK
- Develop a simple task-specific agent for real-world application using Strands Agents SDK
- Explain Amazon Bedrock AgentCore
- Describe observability and interoperability patterns for production agentic AI systems

Prerequisitos:

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

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