KOENIG SOLUTIONS · COURSE OUTLINE

Solving Business Problems using SAP's Generative AI Hub

2 Days	11	AIG10
DURATION	TOPICS	COURSE CODE

WHO THIS COURSE IS FOR

- Data Analyst
- Developer
- Data Scientist

PREREQUISITES

Essential

- None

Recommended

- Basic programming experience (Python or similar)
- Familiarity with SAP Business Technology Platform concepts

LEARNING OBJECTIVES

What You Will Learn

- Describe how large language models work, including key capabilities, limitations, and enterprise considerations
- Identify the SAP's AI Services and Models and explain the role of the Generative AI Hub within it
- Navigate the Generative AI Hub interface — Model Library, Chat, Prompt Editor, Prompt Optimizer, Prompt Management, Grounding Management, and Orchestration
- Identify the Orchestration Service and explain how it serves as the deployment and workflow layer for LLMs in SAP
- Access the Generative AI Hub by provisioning SAP AI Core, configuring resource groups, and deploying LLMs
- Develop and iterate enterprise prompts using the Prompt Editor, including JSON-structured output for application integration
- Manage prompts at scale using the Prompt Registry — templates, versioning, variables, and prompt hardening
- Apply prompt engineering techniques — one-shot, few-shot, meta prompting, and system/user/assistant roles
- Define key security considerations in prompt engineering and apply prompt hardening methods
- Design AI workflows using the Orchestration Service, combining prompt templates, data masking, and content filtering
- Use the SAP Cloud SDK for AI to connect applications programmatically to the Generative AI Hub and Orchestration Services
- Explain retrieval-augmented generation and implement document grounding using the SAP HANA Vector Engine, including multi-repository patterns
- Use the Prompt Optimizer to automatically test and refine prompts against defined quality criteria
- Evaluate and select large language models using benchmark data, cost, and context window criteria from the Model Library
- Apply SAP AI Core Custom Evaluation to benchmark LLMs against custom test datasets and scoring criteria
- Identify SAP's own foundation models — SAP-RPT-1 and SAP-ABAP-1 — and determine when to use tabular AI instead of generative language models

COURSE SYLLABUS

1 Module, 11 Topics

01

TOPICS

- Describing Large Language Models
- Discovering SAP's Generative AI Hub
- Discovering the Orchestration Service
- Getting Started: Access, Deployment, and the Product Lifecycle
- Developing and Managing Prompts
- Refining Prompts with Engineering Techniques
- Designing Workflows with the Orchestration Service
- Leveraging SAP Cloud SDK for AI
- Improving LLM Performance
- Using Advanced AI Techniques — Grounding
- Evaluating and Selecting Large Language Models

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

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