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OpenMetadata Training

2 days (14 hours)

Overview

OpenMetadata is a data catalog and governance platform that centralizes data discovery, data quality, traceability, and collaboration among data teams. With its connectors, enriched metadata, quality tests, and alerts, OpenMetadata helps build a production-ready foundation for modern data environments.

Our OpenMetadata training will take you beyond the basics to master the essential uses of a data governance and observability platform.

You'll learn how to structure asset cataloging, organize glossaries, domains, tags, and access rights, and leverage ingestion and lineage mechanisms.

You'll also learn how to set up quality tests, monitor alerts, interpret metrics, and ensure reliable data management in a collaborative environment.

By the end of the training, you will be able to implement a consistent use of OpenMetadata, build trust in data, and support data teams in their day-to-day work.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Understand the role of OpenMetadata in a data governance and data observability architecture.
- Organize the data catalog, metadata, and relationships between assets.
- Configure glossaries, classifications, domains, and business responsibilities.

- Set up metadata ingestion, lineage, and asset discovery.
- Define data quality tests, alerts, and reliability checks.
- Adopt best practices for collaborative and production use.

Target Audience

- Data Engineer
- Data Steward
- Data Architect
- Data Project Manager
- Data Platform Administrator

Prerequisites

- Basic knowledge of data engineering and data platform organization.
- Understanding of metadata, data pipelines, and data environments.
- Understanding of data governance and data quality principles.
- Proficiency in using a Linux or Windows environment to work with technical tools.

Technical Prerequisites

- A recent computer with at least 8 GB of RAM and a modern, up-to-date browser.
- A stable Wi-Fi or Ethernet connection to access demos and remote environments.
- Docker and Docker Compose installed for local work if necessary.
- Python 3.9 or later available on the work machine.
- A code editor or IDE, as well as a microphone and headset for remote sessions.

OpenMetadata Training Program

[Day 1 - Morning]

Fundamentals and

Architecture

- Understand OpenMetadata's role in a data governance and data observability strategy.
- Identify the main business objects, services, tables, dashboards, pipelines, and relationships between assets.
- Explore the platform's functional architecture, its components, and its technical dependencies.
- Grasp the concepts of technical, functional, and operational metadata.
- Analyze the use cases covered by the data catalog and collaboration around assets.

- Hands-on workshop: getting started with the interface, locating key menus, and reviewing an initial data inventory.

[Day 1 - Afternoon]

Ingestion and Cataloging

- Implement the principles of metadata ingestion from supported sources.
- Understand the role of connectors for databases, orchestrators, BI tools, and storage systems.
- Structure asset information, including ownership, description, tags, and certification.
- Organize catalog navigation to facilitate discovery and search.
- Leverage relationships between entities to deepen understanding of the data assets.
- Hands-on workshop: Configure a simple ingestion process and verify that metadata is being uploaded to the catalog.

[Day 2 - Morning]

Governance and Lineage

- Structure a domain-specific glossary to standardize team terminology.
- Use classification and tags to support governance and sensitivity policies.
- Define domains, responsibilities, and management scopes.
- Explore lineage to track the origin, transformation, and consumption of data.
- Understand access and collaboration mechanisms for documented assets.
- Hands-on workshop: Create a glossary, apply a classification scheme, and read a lineage graph for an asset.

[Day 2 - Afternoon]

Quality, Alerts, and Operations

- Define the fundamentals of data quality in OpenMetadata.
- Create and organize test suites, test cases, and test definitions.
- Understand how alerts work for test failures, schema changes, and pipeline incidents.
- Monitor metrics and observability signals to ensure data reliability.
- Adopt best practices for deployment, monitoring, and usage in a collaborative environment.
- Hands-on workshop: Set up a quality test, trigger an alert, and interpret the results in the interface.

Relevant companies

This training is designed for both individuals and businesses—large and small—

that wish to train their teams in new, advanced IT technology or to acquire specific industry knowledge or modern methods.

Assessment at the Start of Training

The pre-training assessment complies with Qualiopi quality standards. Upon final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency in various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth operation of the training session.

Teaching Methods

Hands-On Training: 60% Practical, 40% Theoretical. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the instructor—supported by examples and reflection sessions—and group work.

Assessment

At the end of the session, a multiple-choice quiz is administered to verify that participants have successfully acquired the skills.

Certification

A certificate will be issued to each trainee who has completed the entire training program.