Course : Getting Started with the Data Catalog for Effective Governance

Metadata: A Tool for Effective Data Governance

Practical course - 1d - 7h00 - Ref. IGD

Price : 850 CHF E.T.

NEW

Data governance addresses complex challenges. To be effective, it must be equipped to provide relevant services to the various stakeholders. Its primary tool and driving force is the data catalog—or, more precisely, the metadata catalog. Metadata consists of all information—whether automatically generated or designed by architects, modelers, or data managers such as data owners—that provides details about the data… This catalog benefits from being highly automated and, where possible, enhanced by AI. Integrating it into your technical ecosystem is essential for automatically capturing metadata.

Teaching objectives

At the end of the training, the participant will be able to:

- An Introduction to Metadata for Effective Governance (DAMA)
- Understanding the Metadata Ecosystem in the Information System
- Understanding the Tools for Understanding Cultural Heritage

Intended audience

Anyone interested in establishing data governance around an effective data catalog: Chief Data Officers (CDOs), Chief Information Officers (CIOs), data managers, data stewards, data owners, data scientists, IT and data architects, Chief Information Security Officers (CISOs), project managers/product owners, data platform managers, data engineers, Data Protection Officers (DPOs)…

Prerequisites

Have completed the course on data governance [line break].

Course schedule

PARTICIPANTS

Anyone interested in establishing data governance around an effective data catalog: Chief Data Officers (CDOs), Chief Information Officers (CIOs), data managers, data stewards, data owners, data scientists, IT and data architects, Chief Information Security Officers (CISOs), project managers/product owners, data platform managers, data engineers, Data Protection Officers (DPOs)…

PREREQUISITES

Have completed the course on data governance [line break].

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

1 Introduction: An Introduction to Metadata

- Definition of data governance.
- Role and Scope of Governance: Compliance, Quality, and Asset Knowledge.
- A strong link between data governance and the data catalog.
- Definition of metadata.
- Here are a few examples of the data lifecycle.
- Data diversity.
- Metadata created to describe the data functionally.
- Metadata created by systems and that can be collected.
- Metadata Management: One or More Metadata Repositories?

Group discussion

Develop a map of data stakeholders and their roles in data governance. Understand the data assets. Model metadata to comply with security requirements and personal data regulations.

2 Understanding the Metadata Ecosystem in an Information System

- Understanding data sources and their relationship to the architecture.
- Knowledge of the datasets available on a data platform.
- Identification of personal data—whether anonymized or not—on a data platform.
- Technical and functional descriptions (business objects, processes, definitions) of the data on a data platform.
- Understanding the availability and freshness of data on a data platform.
- Understanding the characteristics of the platform's data quality.
- Knowledge of the security features and data regulations on a platform.

Storyboarding workshops

Understanding a metadata model for the catalog.

3 Understanding the Tools for Understanding Cultural Heritage

- The metadata catalog for discussing, sharing, and promoting data.
- Data catalog and data models, data dictionary, glossary, thesaurus.
- Structured and unstructured data in a catalog.
- Features of a data catalog.
- The needs of stakeholders and their great diversity.
- Tribal knowledge.
- Data catalog or data governance platform.
- Overview of data catalog and governance platform tools.
- Other metadata tools: data lineage, data observability, and data quality.

Case study

Present an evaluation rubric.

4 Conclusion

- The data catalog: the first step in implementing data governance.

TEACHING AIDS AND TECHNICAL RESOURCES

• The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
• At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
• A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

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