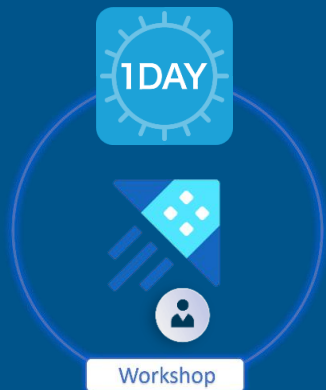


# Introduction to Data Cataloguing and Implementation Strategies



This workshop will be delivered by TOGAF 9 Certified, IBM Certified Infrastructure Systems Architect and SNIA Architect.

Board of Directors

CXO's

Business Executives

Technology Executives

Entrepreneurs

Cybersecurity Professionals

Digital Leaders

Solution Architects

Enterprise Architectures

Data Scientists

Cloud Architects

Technical Writers

Strategic Planners

Project Managers

# Introduction to Data Cataloguing and Implementation Strategies

Skills and expertise to help you increase your knowledge in the field of digital technologies



Education & Training Services

*Digital forces are reshaping almost every industry, and you already understand the urgency for transformation. You need to look into options how Digital Disruption helps you formulate a successful, innovative strategy for what to do next.*

## About this workshop

Data Catalog is a fully managed and scalable metadata management service that empowers organizations to quickly discover, understand, and manage all of their data. In a nutshell planning is critical to the long-term adoption and success of a data catalog tool. In this course you will be introduced to how to work through use cases to construct a practical roadmap of data catalog growth.

Digital Transformation is a broad subject that requires competency across **Strategy and Vision, People and Culture, Process and Governance, and Technology and Capabilities**

## Purpose:

The purpose of this course is to understand how to translate business needs into an actionable roadmap for the data catalog tool.

In a nutshell, data accuracy, accessibility and deficiencies can lead directly to increased customer churn, reduced market share, and a tangible loss of competitive advantage.

[www.tlcpak.com](http://www.tlcpak.com)

## Prerequisites:

Participants attending this course should be familiar with basic Information Technology (IT) concepts and the role of general system wide infrastructure technologies and their applications.

## Optimizing Your Data Catalog Learning Plan:

Metadata is foundational to all data work and should be a top priority of a Data Governance program. Without an understanding of what data means, where it comes from, or how it's classified, it's virtually impossible to extract data's full value. A data catalog tool provides an innovative solution for powering Data Intelligence and Metadata Management with governance at the core.

## Unit 1 – Introduction to Data Cataloguing

- Traditional Data Management Practices & Problems.
- Data Cataloguing as a way forward to Traditional Problems.
- Data Landscape complexity and Multitude of Changing Systems.
- Solution that should provide deep insight into the Data Landscape.
- What is Data Catalog – A Reference Application for Data Management.
- Understand essential capabilities of Data Catalog.
- Data Catalog as a Way-forward to Traditional Problems.
- Understanding the key components of a Data Cataloguing.
- Business Value of Data Cataloguing.
- Benefits of Central Point of Discovery and Data Transparency.
- The Role of Data Cataloguing from Internal and External Data POV.
- Data Cataloguing Tools – Purpose, Functionality and Best Practices.
- Data Integration Tools – Purpose and Functionality.
- What Features to look when procuring a Data Cataloguing tool.
- Describing different types of Metadata Classifications.
- Difference between Data Cataloguing and Data Integration tools.
- Unit 1 Assessment.

## Unit 2 – Data Cataloguing Implementation Strategies

- Understand the importance of Data Analysis and Data Management.
- Data catalogue Adoption Strategy – Twelve Key Steps.
- Build a Metadata Management Strategy and Plan.
- Best practices for Data Catalog Implementation.

But investing in a data catalog is only a first step. Optimized value can only be fulfilled when it's embedded into "business-as-usual" processes of how users work on a daily basis, creating a sustainable need and trust in the catalog as opposed to just knowing it is one of many tools available. This course is one step forward to your learning.

- Data catalogue Implementation Strategy.
- Key Capabilities Required from a Data Catalog strategy.
- Data Cataloguing Implementation Strategy and Industry Solutions.
- Defining objectives and scope, and Stakeholder engagement.
- Policies and procedures.
- Roles and responsibilities.
- Integration with Existing Systems.
- Implementing your Data Catalog – Three types of approaches.
- How do you Implement a Data Catalog – A Phased-wise Approach.
- How to build a Data Catalog – A Six Step Approach.
- How to Set Up a Data Catalog for Data Discovery?
- Data Catalog Challenges and a Step-by-step Action Plan.
- Critical steps to secure PII against loss or compromise.
- Data Classification.
- Action plan to mitigate data catalogue challenges and achieve business outcomes.
- How to choose the right data catalogue that takes care of the most common data catalogue challenges.
- Data Catalog Features that should be supported by the Data Catalog Vendor.
- Interoperability and usability for the Data Lakehouse.
- Unit 2 Assessment.

## Detailed Information

Course Code	: TN482
Course Duration	: 1 Day Workshop
Course Location	: TLC, Online, and Customer On-site.
Terms & Conditions	: 100% payment in advance.
Course Deliverable	: Comprehensive Student Guide and Course Certificate

## For additional information:

please write to us at: [info@tlcpak.com](mailto:info@tlcpak.com)

*Opportunities are made, not found*

Executive Leadership Series

# Introduction to Data Cataloguing and Implementation Strategies

Skills and expertise to help you increase your knowledge in the field of digital technologies



Education & Training Services

## Why Data Cataloguing is important for organizations today?

There are answers to this question and to better understand the core spirit is to know that data, your Crown Jewel, is one of the most valuable resources a company can have, second to their employees, of course. With the abundance of data being produced, it can be challenging for data engineers and data scientists to leverage the full potential of their data. This is where data catalogs come in, serving as a powerful tool to make data more perceptible, findable, and operative. In this blog, we'll inspect the evolution of data catalogs and help you make a choice that is best for your business. So let's get into it.

Data comprises raw, unprocessed facts that need context to become useful, while **information** is data that has been processed, organized, and interpreted to add meaning and value. This explanation sets the stage for how businesses can transform data into strategic assets through effective knowledge management.



## Data Cataloguing in a Nutshell

Data catalogs are organized inventories of an organization's data assets. The benefits of a data catalog go beyond centralizing an organization's data.

They support your organization's efforts in Data Management, Data Governance, Data Quality and Regulatory Compliance.

By providing a central and searchable database of your data assets, modern data catalogs can improve business efficiency, reduce costs, and facilitate employee productivity.

This one-day workshop is designed to facilitate their audience to share how Data Cataloguing technology solve greater challenges and enable organizations of all sizes to convert data into revenue.

[www.tlcpak.com](http://www.tlcpak.com)

## Why Data Cataloguing skills are important to understand for Board-of-Directors, Senior Business and Technology Leadership teams?

Understanding data cataloguing is crucial for board members, senior business, and technology leaders for several reasons:

**1. Strategic Decision-Making:** Data cataloguing provides a centralized inventory of an organization's data assets. This enables leaders to make informed decisions based on accurate and comprehensive data. By knowing what data is available and where it resides, leaders can better align their strategies with the organization's goals.

**2. Enhanced Data Governance:** A well-maintained data catalog is essential for elevating data governance. It helps in establishing clear data ownership, accountability, and compliance with regulatory requirements. This is particularly important for mitigating risks associated with data breaches and ensuring data privacy.

**3. Improved Operational Efficiency:** Data cataloguing streamlines data discovery and access, reducing the time and effort required to find and utilize data. This leads to improved operational efficiency and productivity across the organization. Leaders can leverage this efficiency to drive innovation and competitive advantage.

**4. Facilitating Data-Driven Culture:** Promoting a data-driven culture starts at the top. When board members and senior leaders understand the value of data cataloguing, they can advocate for its adoption and integration into the organization's processes. This fosters a culture where data is seen as a strategic asset.

**5. Supporting Digital Transformation:** Data cataloguing is a foundational element of digital transformation initiatives. It ensures that data is accurate, accessible, and actionable<sup>1</sup>, which is critical for leveraging advanced technologies like AI and machine learning. Leaders who grasp the importance of data cataloguing can better steer their organizations through digital transformation.

**6. Effective Communication and Reporting:** For board members and senior leaders, being able to communicate about data strategy effectively is vital. A data catalog provides the necessary insights to tell compelling stories about the organization's data assets, their usage, and their impact on business outcomes. This enhances transparency and accountability in reporting.

**7. Risk Management:** Understanding data cataloguing helps in identifying and mitigating risks associated with data management. Leaders can ensure that data is properly classified, secured, and compliant with relevant regulations, thereby protecting the organization from potential legal and financial repercussions.

By grasping the importance of data cataloguing, board members and senior leaders can drive their organizations towards more informed, efficient, and strategic use of data. This not only enhances the organization's performance but also ensures long-term sustainability and growth.

## Leverage the power of the data catalog

Choosing the right data catalog tool can be a challenging task. Still, by understanding the different types of data catalog tools available and their features, you can make an informed decision. Whether you are a small organization with minimal data management needs or a large enterprise with vast amounts of data, there is a right data catalog tool that could serve your data management problems. Empower your business with the valuable insights hidden in your data by leveraging a data catalog to its fullest potential.

In summary, data cataloguing technology has the potential to revolutionize various aspects of business. Executives who grasp its implications can harness its power to drive innovation and efficiency in their organizations.

We look forward serving you as one of your trusted education and training services partners.



[www.tlcpak.com](http://www.tlcpak.com)