



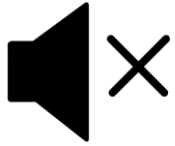
Mar 05, 2024

# Implementation of Data Fabric Architecture Using IDMC Services

- Rashmi Prabhu, Senior Solutions Architect, CSA
- Kamal Abrol, Principal Solutions Architect, CSA

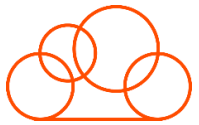
Where data & AI come to **LIFE**

# Housekeeping Tips



- Today's Webinar is scheduled for **1 hour**
- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the **Q&A option** and we will respond at the end of the presentation
- The webinar is **being recorded** and will be available on our [Success Portal](#) - where you can download the **slide deck** for the presentation. The link to the recording will be emailed as well.
- Please take time to complete the **post-webinar survey** and provide your feedback and suggestions for upcoming topics.

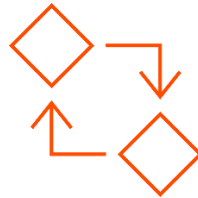
# Feature Rich Success Portal



**Bootstrap trial and  
POC Customers**



**Enriched Customer  
Onboarding  
experience**



**Product  
Learning Paths  
and Weekly  
Expert Sessions**



**Informatica  
Concierge**



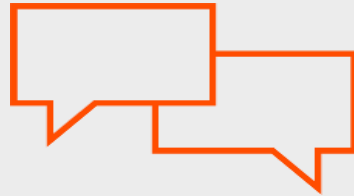
**Tailored training  
and content  
recommendations**

# More Information



## Success Portal

<https://success.informatica.com>



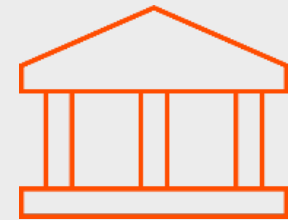
## Communities & Support

<https://network.informatica.com>



## Documentation

<https://docs.informatica.com>



## University

<https://www.informatica.com/in/services-and-training/informatica-university.html>

# Safe Harbor

The information being provided today is for informational purposes only. The development, release, and timing of any Informatica product or functionality described today remain at the sole discretion of Informatica and should not be relied upon in making a purchasing decision.

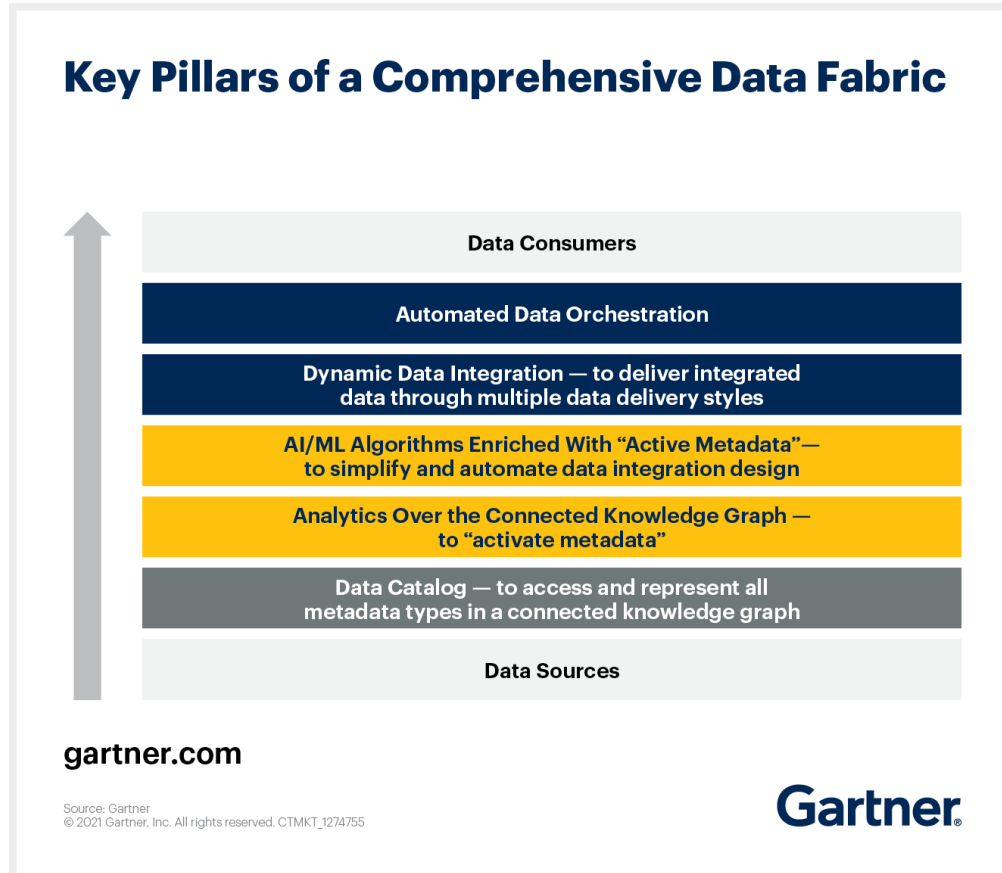
Statements made today are based on currently available information, which is subject to change. Such statements should not be relied upon as a representation, warranty or commitment to deliver specific products or functionality in the future.

# Agenda

- **Key Pillars of Data Fabric**
- **Intelligent Data Fabric Reference Architecture**
- **How Informatica Platform Enables Data Fabric**
- **Demo of IDMC platform covering – DI + MDM- Knowledge Graphs**
- **Overview of Data Governance in a Data Fabric**
- **Simplified Analytical Workflow**
- **How Informatica Platform Enables Data Fabric[Metadata Based By Design]**
- **Demonstration of IDMC Services used while implementing Data Fabric - Data Governance**
- **Q &A**

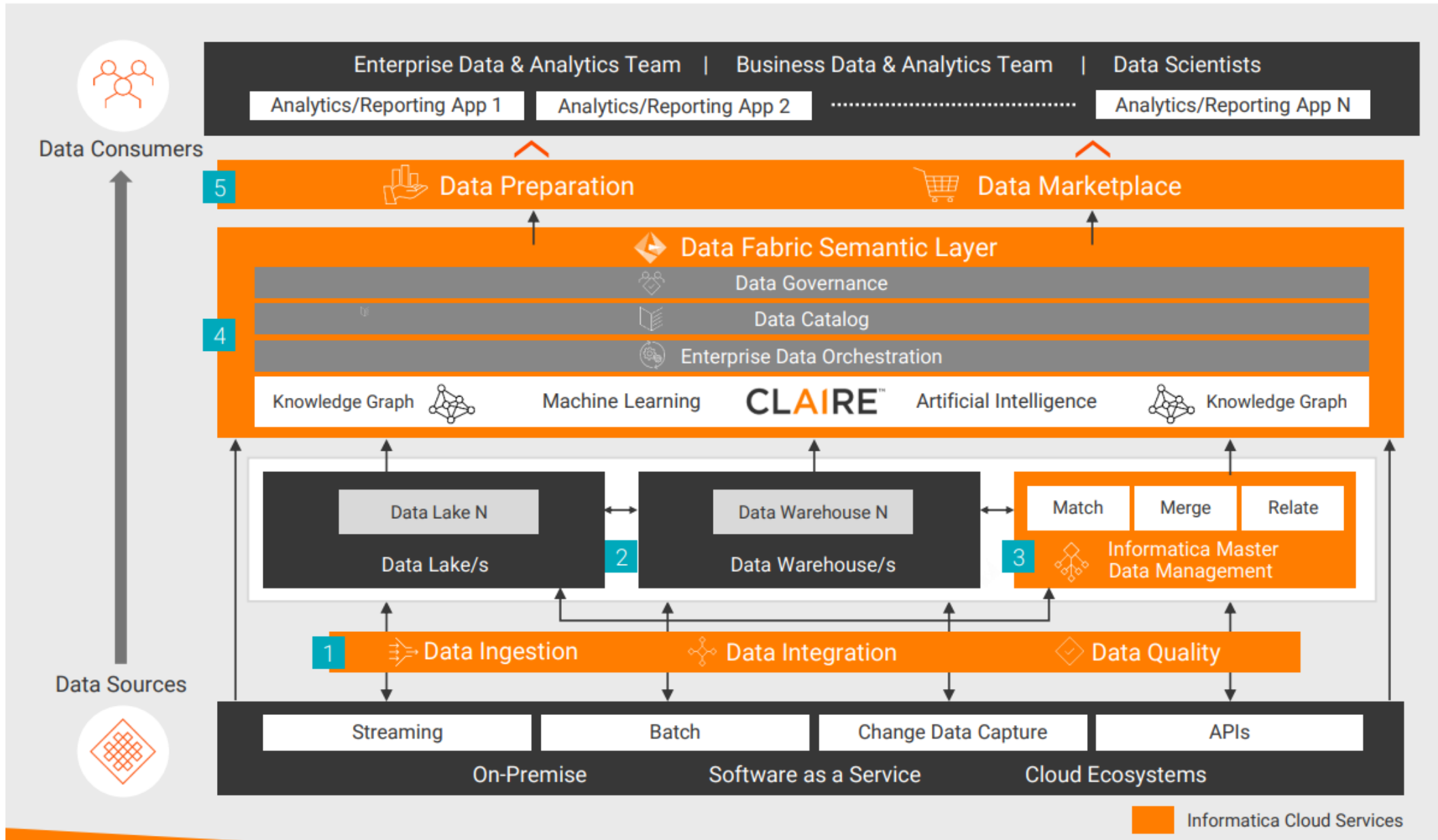
# Data Fabric

## Gartner's Perspective



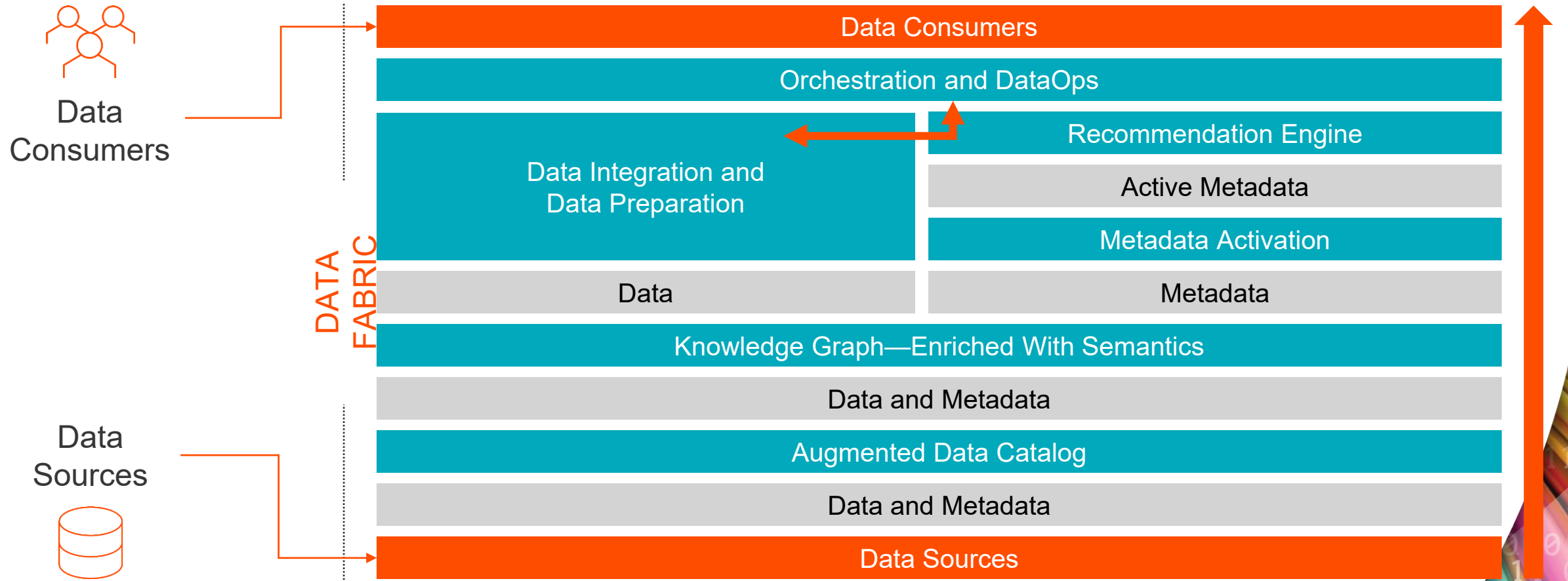
1. Data Fabric Must Collect and Analyze All Forms of Metadata
2. Data Fabric Must Convert Passive to Active Metadata
3. Data Fabric Must Create and Curate Knowledge Graphs
4. Data Fabric Must Have a Robust Data Integration Backbone

# Intelligent Data Fabric Architecture





# Data Fabrics Must Be Designed With *Composable* Technology Parts



## DATA CONSUMERS



ETL Developer



Data Engineer



Citizen Integrator



Data Scientist



Data Analyst



Business Users

# Intelligent Data Management Cloud

DISCOVER &  
UNDERSTAND



DATA  
CATALOG

ACCESS &  
INTEGRATE



DATA  
INTEGRATION

CONNECT &  
AUTOMATE



API & APP  
INTEGRATION

CLEANSE &  
TRUST



DATA  
QUALITY

MASTER &  
RELATE



MDM & 360  
APPLICATIONS

GOVERN &  
PROTECT



GOVERNANCE &  
PRIVACY

SHARE &  
DEMOCRATIZ  
E



DATA  
MARKETPLACE

## CLAIRE™

AI-Powered Metadata Intelligence & Automation

## Connectivity

Metadata System of Record

## DATA SOURCES



SaaS Apps  
Sources



Mainframe



Applications



Databases

On-premises  
Sources



IoT



Machine Data



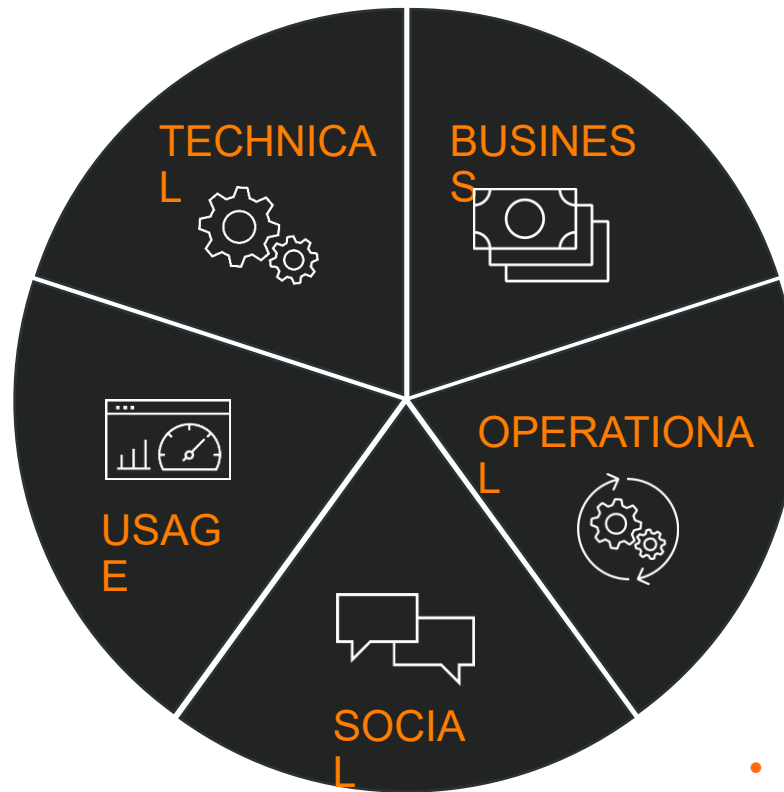
Logs

Real-time /  
Streaming  
Sources

# Informatica Platform Enables Data Fabric

## 1. Data Fabric Must Collect and Analyze All Forms of Metadata Metadata Based by Design

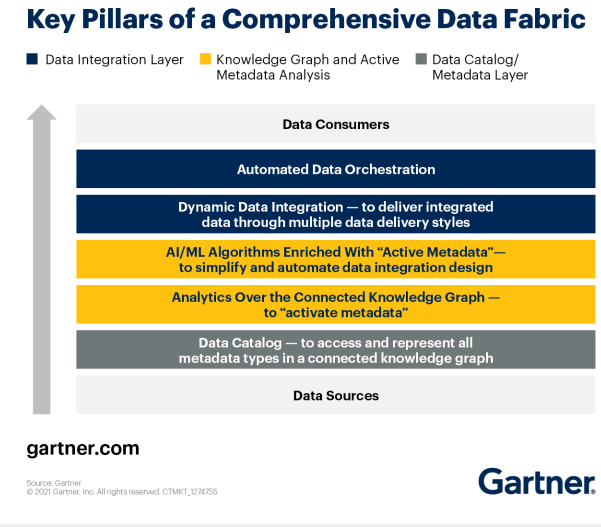
- Data Type
  - Data Domain
  - Data Structure
- 
- Data Usage
  - Data Access
  - Consumption Frequency



- Associated Business Terms
- Data Quality Standards
- Data Privacy Policies

- Utilization
- Runtimes
- Performance

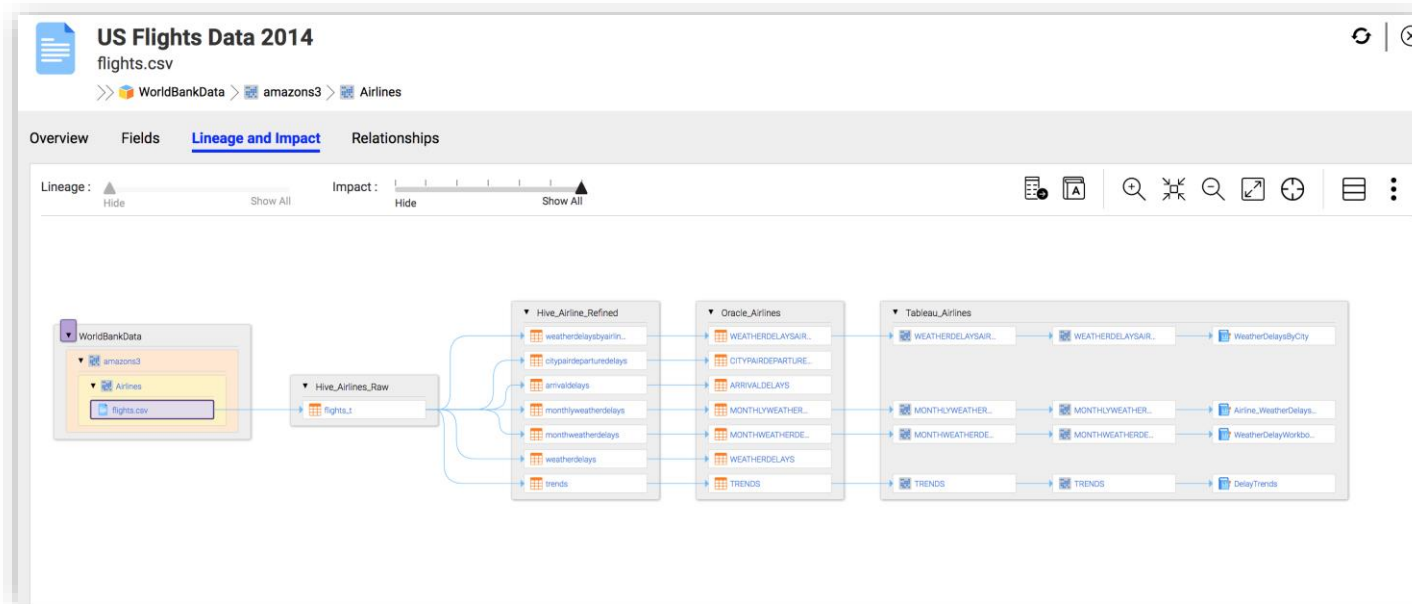
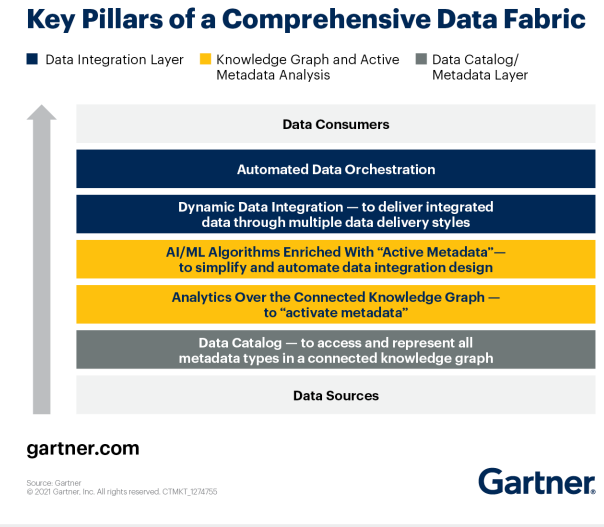
- Data Likes
- Data Shares
- Data Comments



# Informatica Platform Enables Data Fabric

## 1. Data Fabric Must Collect and Analyze All Forms of Metadata Metadata Based by Design

## 2. Data Fabric Must Convert Passive to Active Metadata An Interconnected Set of Services Using Common Metadata, to Connect Business Context and Lineage to Data



# Informatica Platform Enables Data Fabric

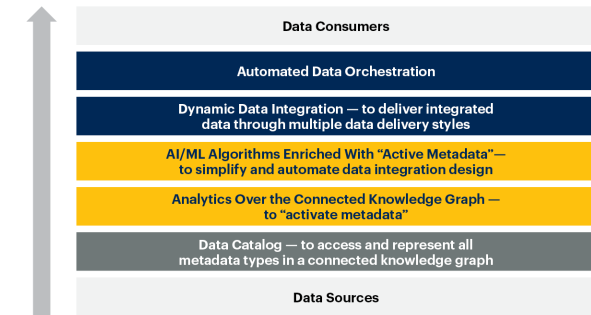
1. Data Fabric Must Collect and Analyze All Forms of Metadata  
Metadata Based by Design

2. Data Fabric Must Convert Passive to Active Metadata  
An Interconnected Set of Services Using Common Metadata, to Connect Business Context and Lineage to Data

3. Data Fabric Must Create and Curate Knowledge  
Graphs  
CLAIR AI/ML Engine to Detect Data Anomalies, Suggest DQ Rules, Curate Terms, Etc..

## Key Pillars of a Comprehensive Data Fabric

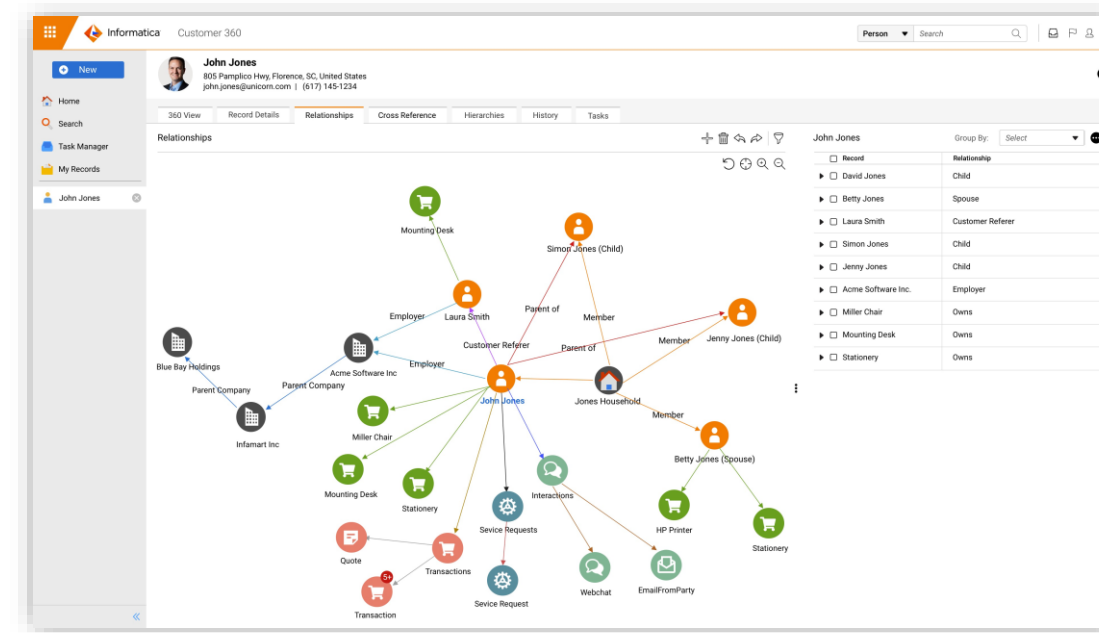
■ Data Integration Layer ■ Knowledge Graph and Active Metadata Analysis ■ Data Catalog/ Metadata Layer



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Gartner.



# Informatica Platform Enables Data Fabric

## 1. Data Fabric Must Collect and Analyze All Forms of Metadata

Metadata Based by Design

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An Interconnected Set of Services Using Common Metadata, to Connect Business Context and Lineage to Data

## 3. Data Fabric Must Create and Curate Knowledge

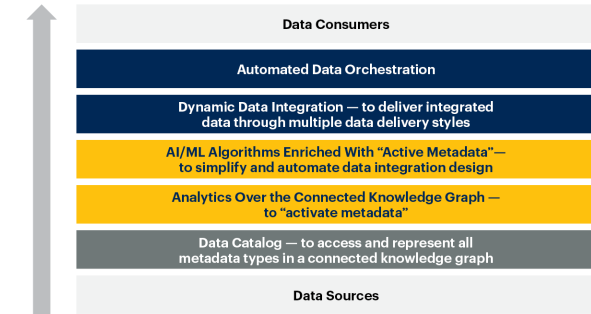
Graphs  
Graphs AI/ML Engine to Detect Data Anomalies, Suggest DQ Rules, Curate Terms, Etc..

## 4. Data Fabric Must Have a Robust Data Integration

Backbone  
Best-of-Breed DI Platform with Batch, Streaming, Messaging, Elasticity, Serverless, Etc..

### Key Pillars of a Comprehensive Data Fabric

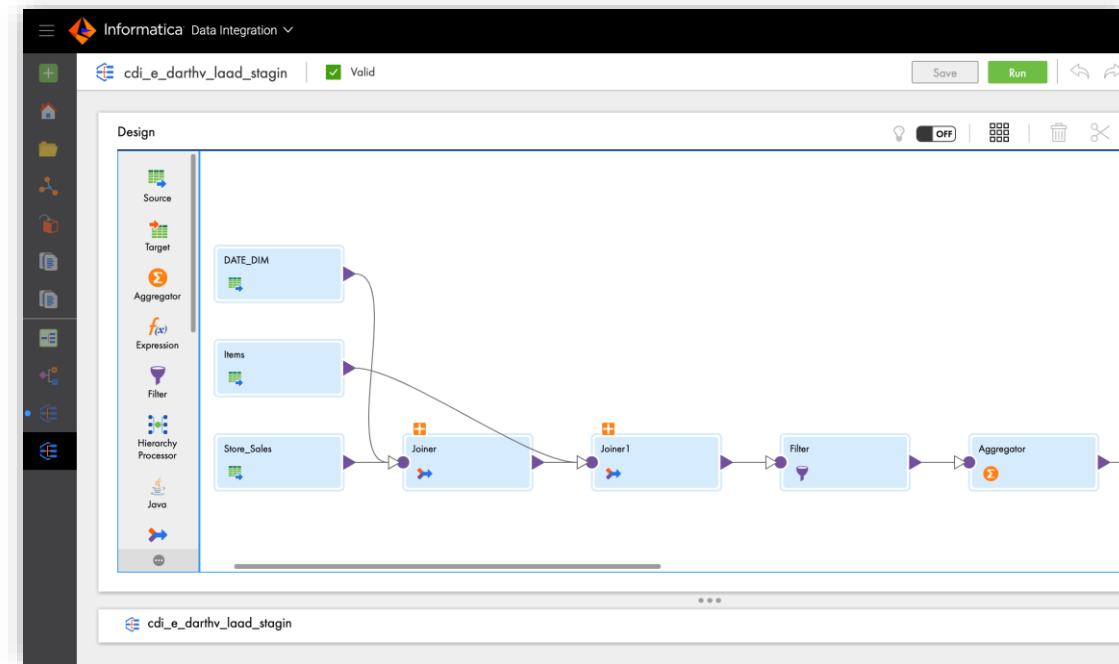
■ Data Integration Layer ■ Knowledge Graph and Active Metadata Analysis ■ Data Catalog/ Metadata Layer



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# Demo

# Agenda

- **Overview of Data Governance in a Data Fabric**
- **Simplified Analytical Workflow**
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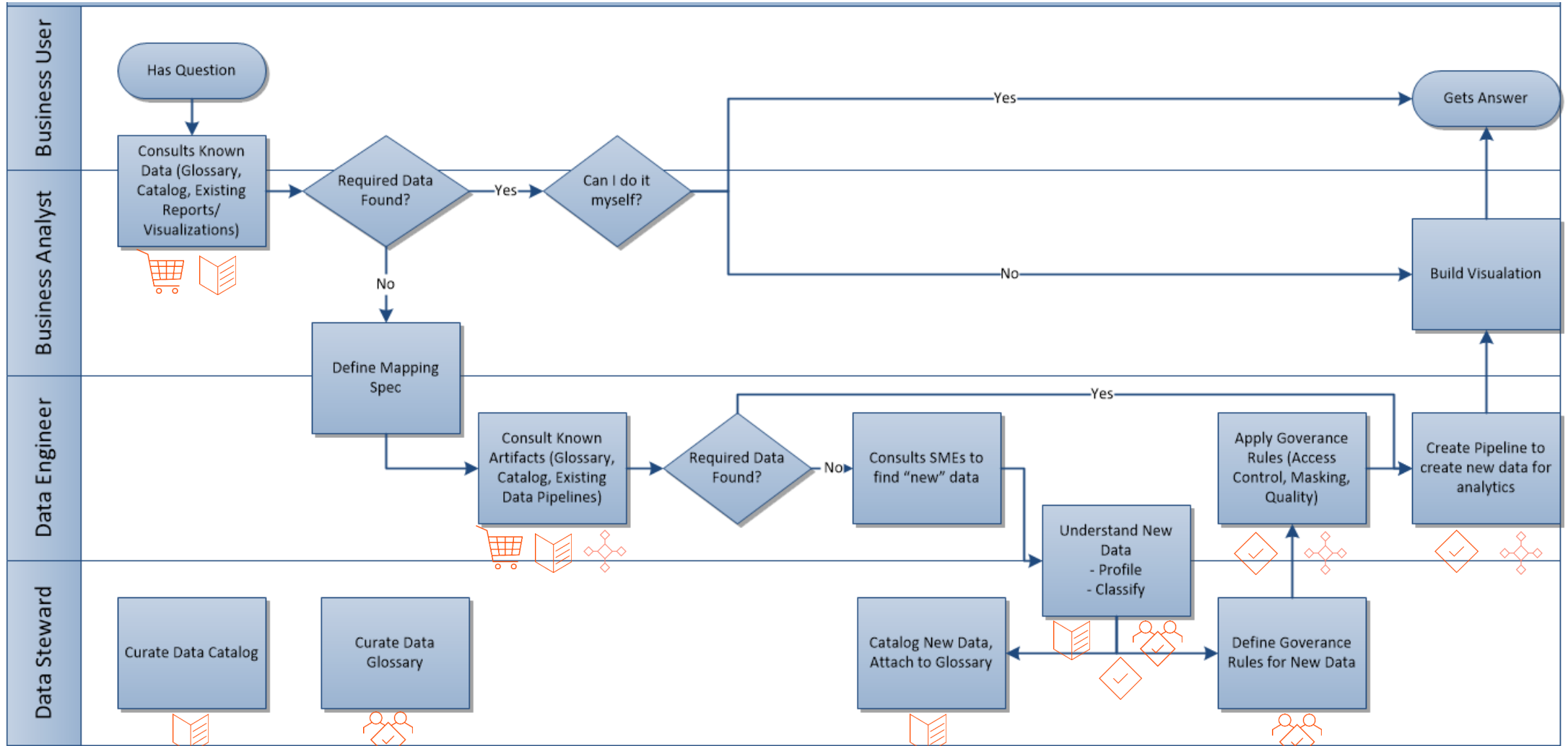
# Overview of Data Governance in Data Fabric

Data governance within a data fabric architecture is crucial for ensuring that data is managed effectively, securely, and in compliance with regulatory requirements across distributed and heterogeneous data environments.

Key Benefits of Data Fabric for Data Governance efforts are

- Data fabric provides a unified view of data
- Data fabric enables real-time data governance
- Data fabric is flexible, scalable, and secure
- Data fabric speeds up workflows
- Data fabric allows you to governance see data records' history.

# IDMC Enables Data Fabric Workflow

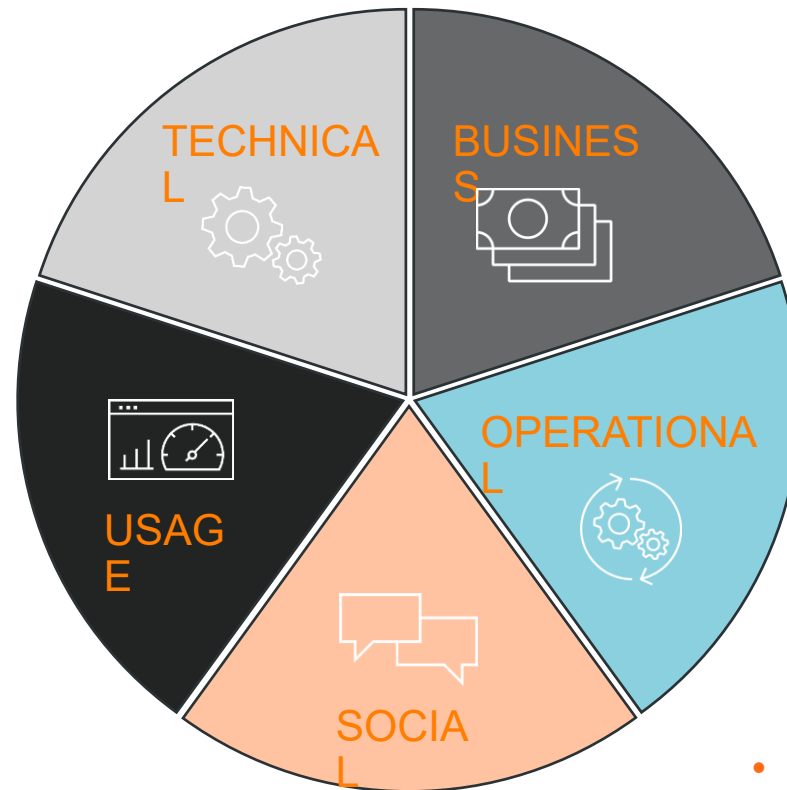


# Informatica Platform Enables Data Fabric

## Data Fabric Must Collect and Analyze All Forms of Metadata Metadata Based by Design

- Data Type
- Data Domain
- Data Structure

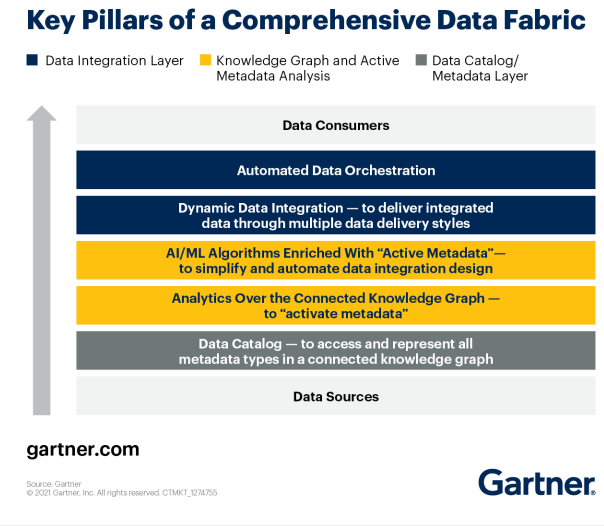
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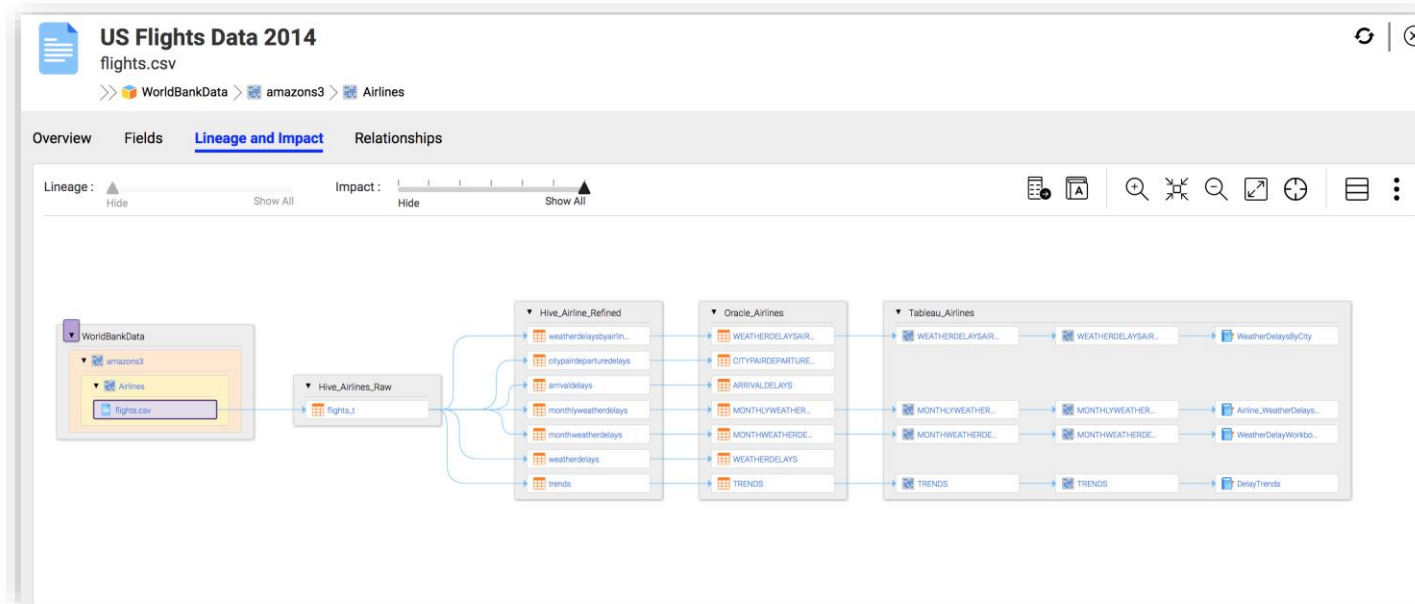
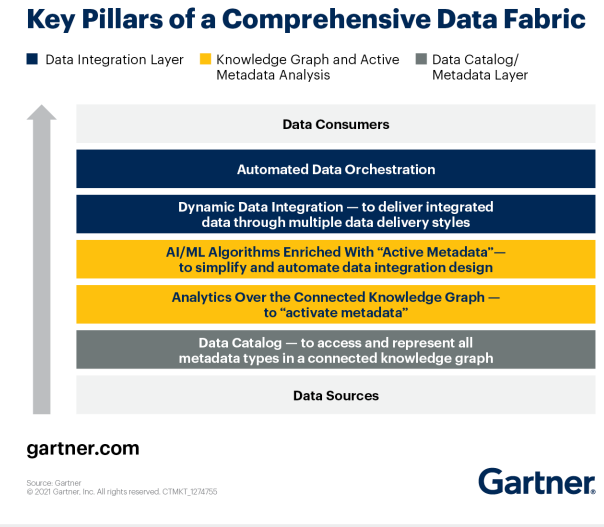
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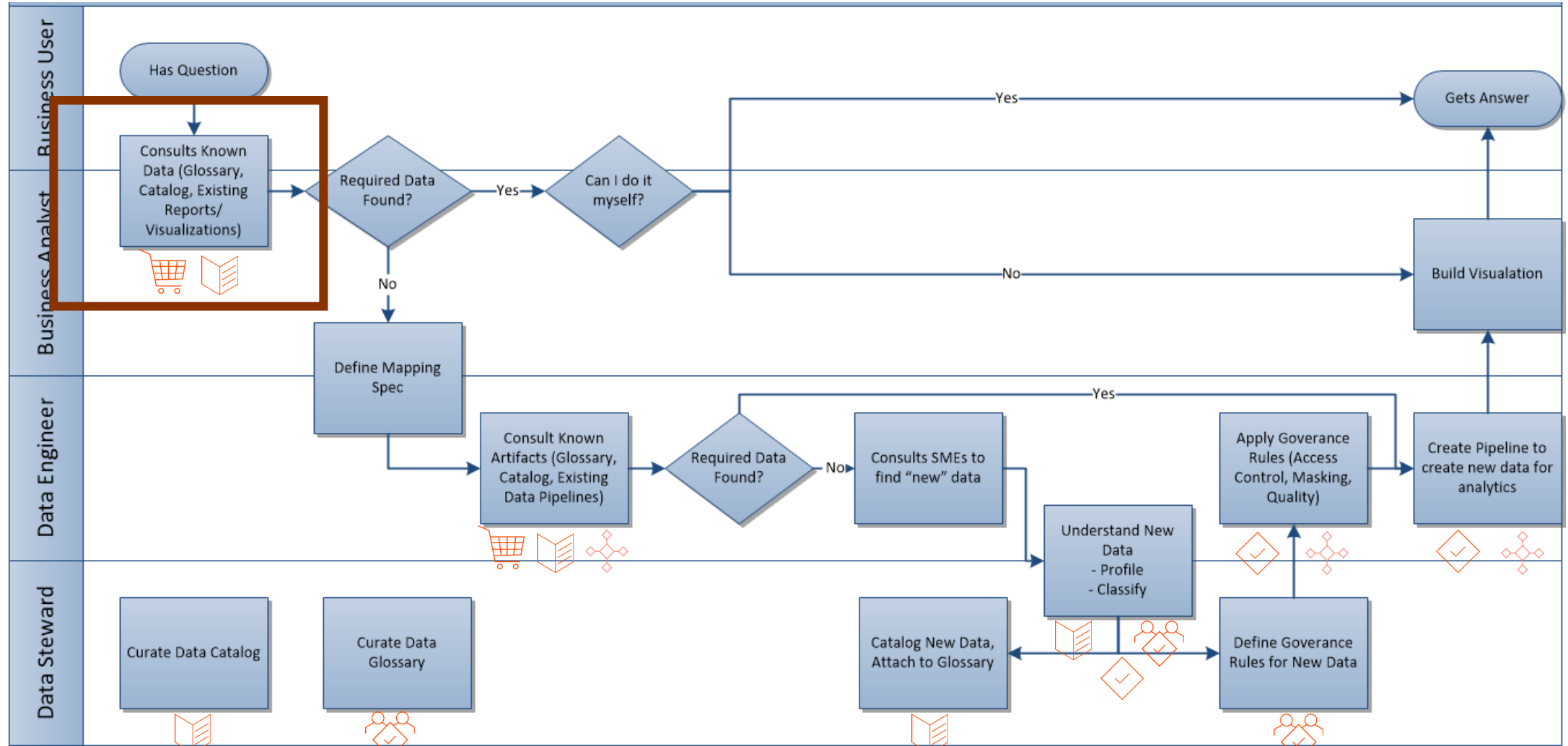
# Key Pillars of Data Fabric

**Data Fabric Must Collect and Analyze All Forms of Metadata**  
Metadata Based by Design

**Data Fabric Must Convert Passive to Active Metadata**  
An Interconnected Set of Services Using Common Metadata, to Connect Business Context and Lineage to Data



# IDMC Enables Data Fabric Workflow





Kamal & Rashmi

# Thank You

Where data & AI come to **LIFE**

