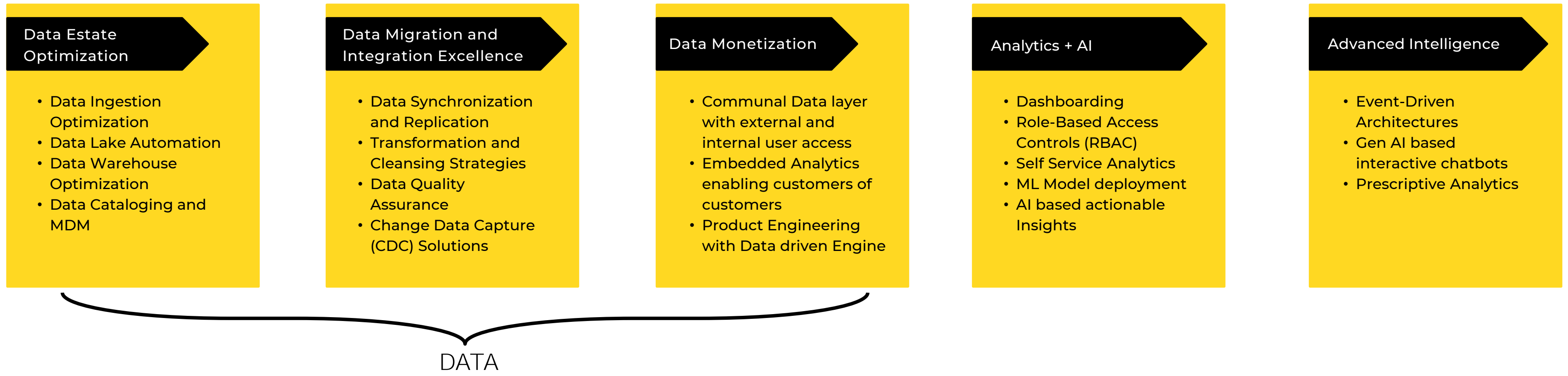


# POLESTAR DATA NEXUS - FABRIC

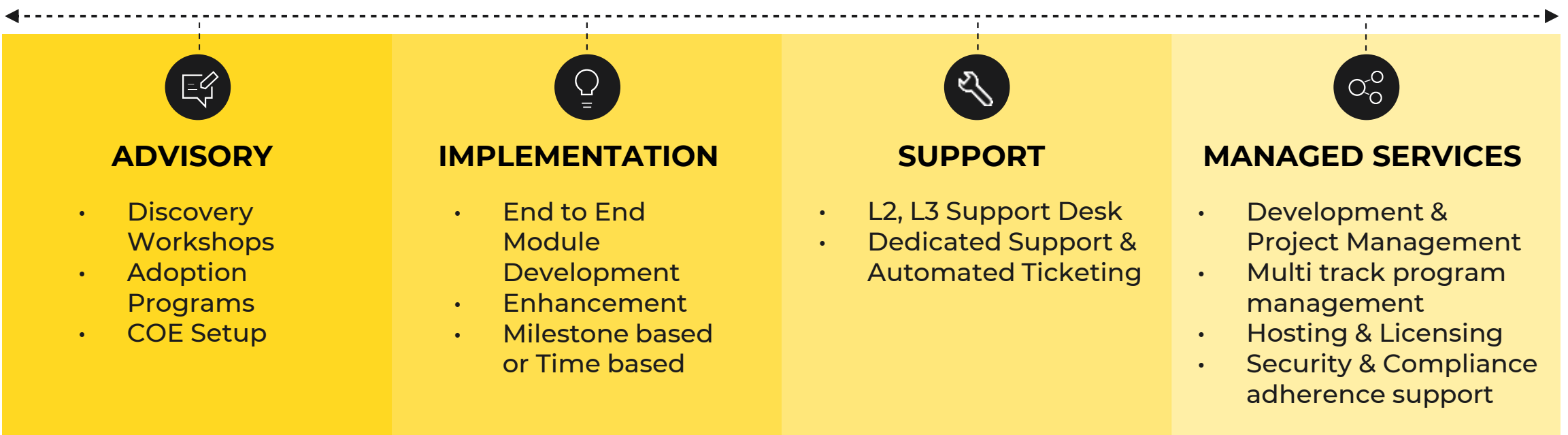
DATA ESTATE AND INSIGHTS

# How do we help?

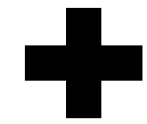
## IMPLEMENTATION SNAPSHOTS



## AVENUES OF ENGAGEMENT



DATA

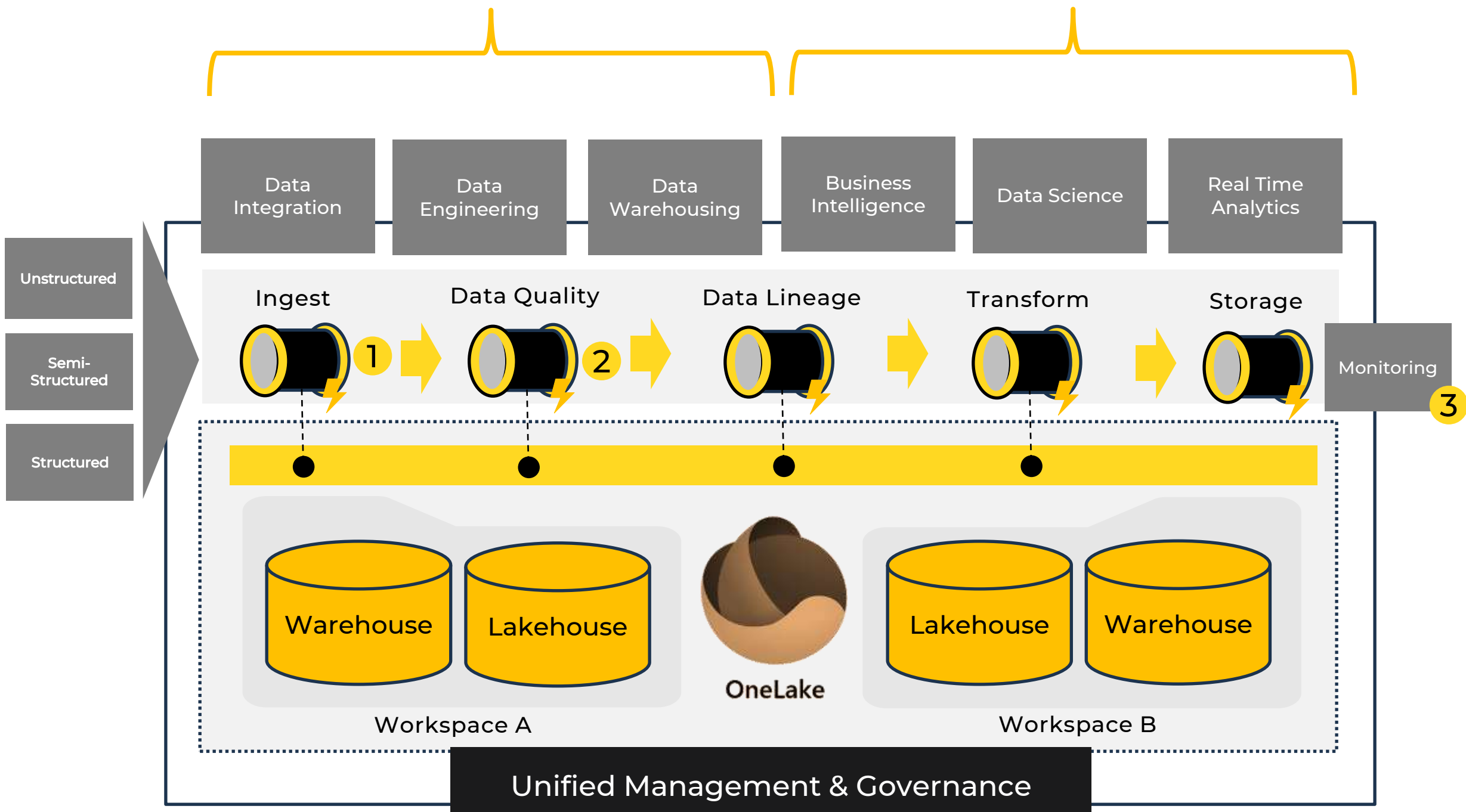


INSIGHTS



# POLESTAR'S DATA NEXUS

Data Nexus provides a flexible and unified framework for managing, accessing, and analyzing your Data Estate - enabling real-time access and agile decision-making. It includes data and insights



- 1 Data Lake Automation Framework
- 2 Data Quality Automation Framework
- 3 Data Profiling Wizard

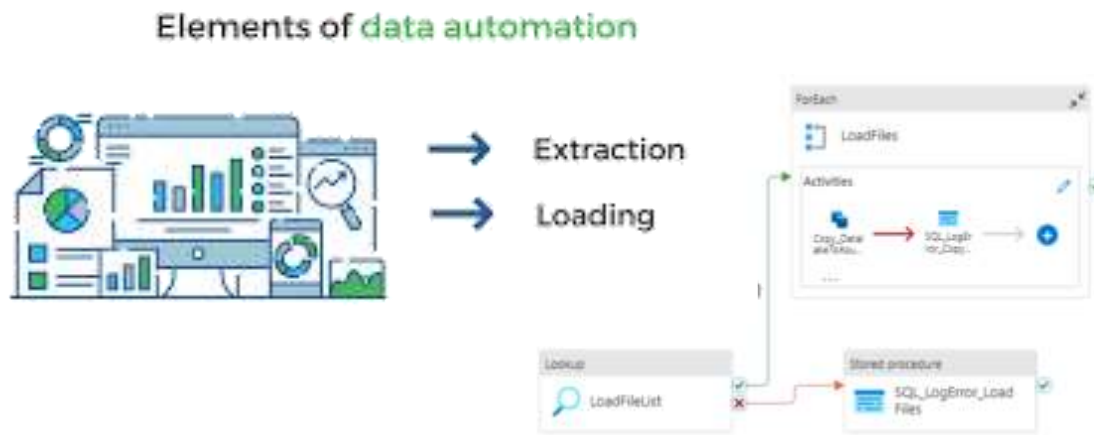


# Polestar's Data Nexus: Data

Modernize your data estate using our in-house developed accelerators

## 1 Data Lake Automation Accelerator

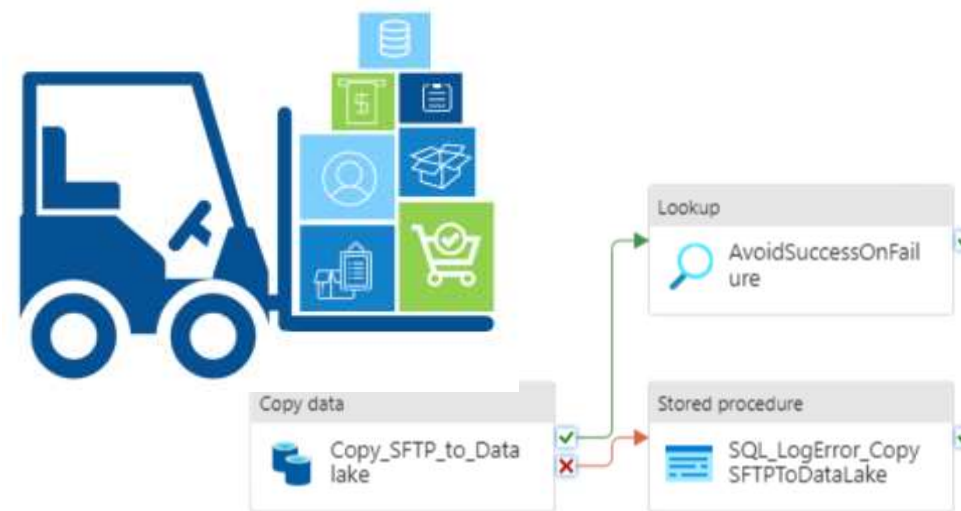
Configurable Accelerator designed to automate data lakes. Set up new data pipelines (Databases, REST APIs, and modern Web UIs etc.)



- Connect to any source system
- Move Incremental Data and Historical data to Lake
- Audit and Reporting with logs
- Configurable Framework to Add/ Edit/ Delete New Tables, New Columns with the help of Metadata for different timelines
- Following Best practices to enable Parallelism in Data loading resulting in quicker data extractions

## 2 Data Quality Automation Accelerator

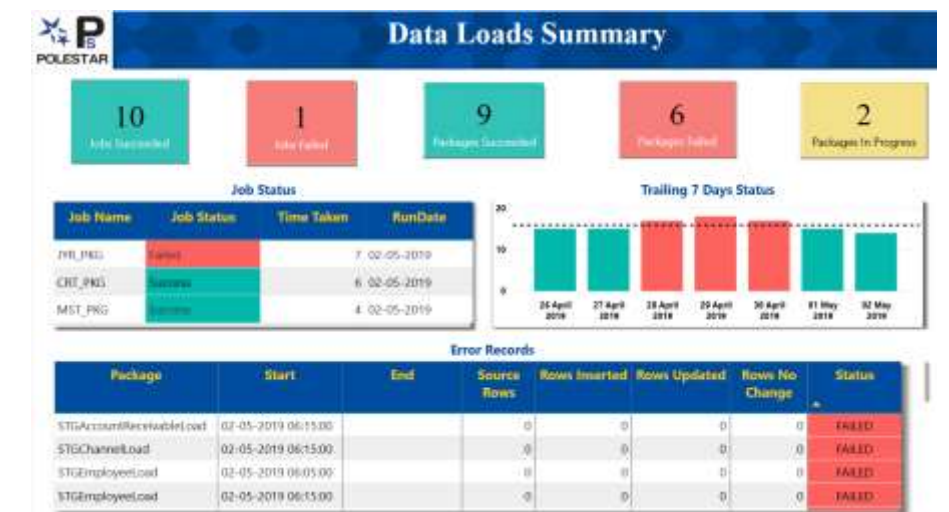
Accelerator designed to automate checks, identify discrepancies, and elevate data quality for seamless, error-free insights.



- Metadata based Configurable Framework to automate data quality at Column Level
- Already have 100+ different data quality rules
- Data Quality rules starting from Row Level like "Value > 0" to Column level like "Column Median should be < 1000" can be configured via Configuration file with no code level changes

## 3 Data Profiling Wizard

Executes on top of Polestar Data Nexus to provide continuous Data Profiling of Master and Transactional Data



- Data Load Summary to provide latest updates with Altering mechanism for Failures
- Data Recon Reporting for Every Loads
- Profiling of all the data including Masters and Transactions
- Column level sampling for every tables

# Polestar's Data Nexus: Insights

## AI/Generative AI/ML

- **Deep Learning Models:** Utilize neural networks with multiple layers to identify complex patterns and forecast future trends and behaviors
- **Natural Language Processing (NLP):** Extract insights from unstructured data through techniques like sentiment analysis and entity recognition.
- **Anomaly Detection:** Identify unusual patterns or outliers in data, crucial for fraud detection and anomaly prevention.

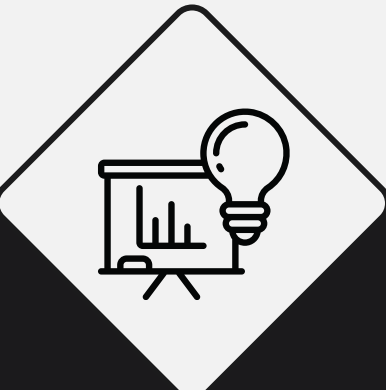


## Data Democratization

- **Data Access Control:** Role-based access control (RBAC) and fine-grained permissions to regulate access and rights to specific datasets.
- **Analytics COE:** Setting up Analytics Centre of Excellence to propagate data driven decision making

## BI/MIS Reporting

- Standard Enterprise wide reporting packs
- Descriptive and Diagnostic Analytics (what happened and why did it happen?)
- Statutory Reporting



## CXO Dashboards

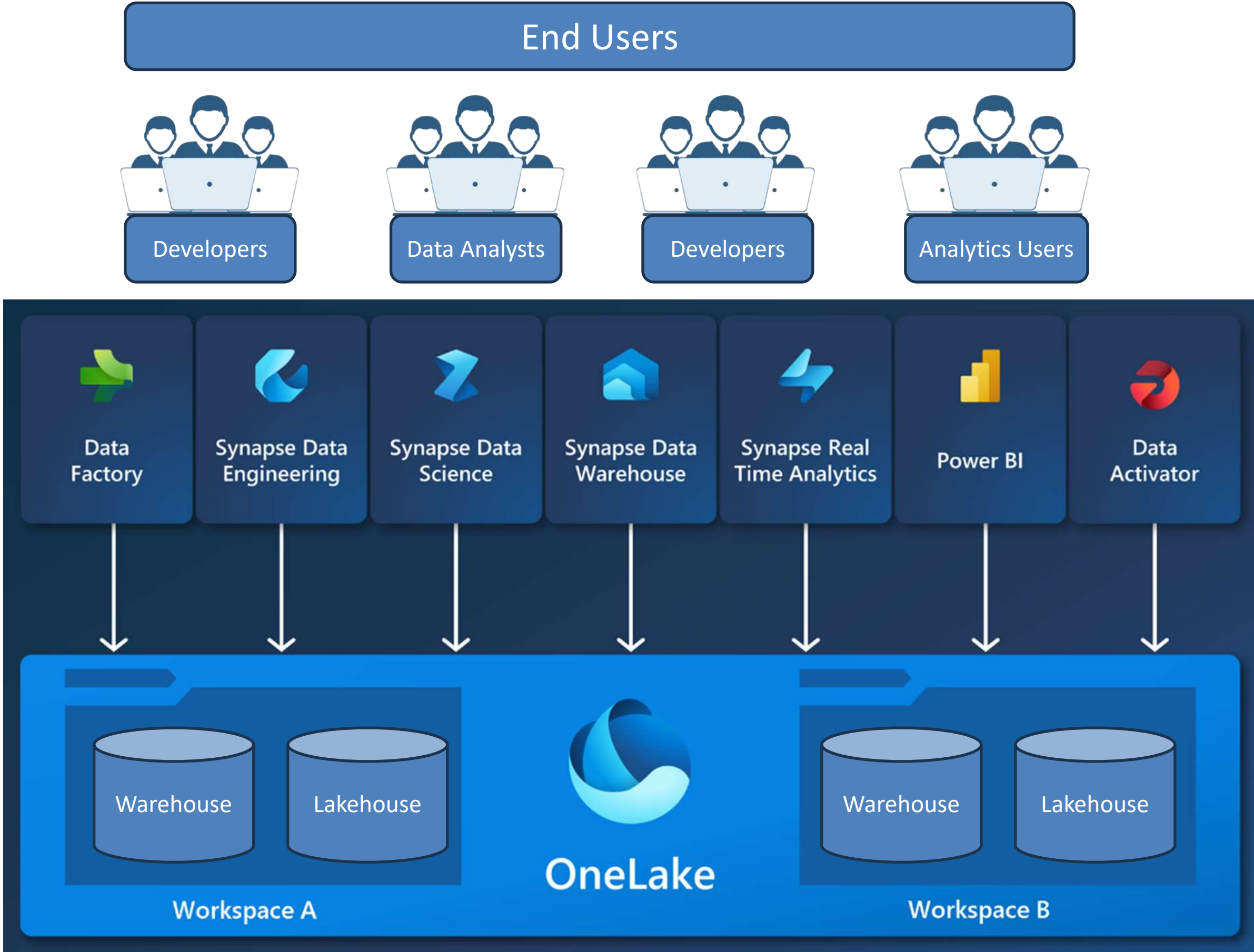
- Display mission critical KPIs aligned with organizational goals, enabling CXOs to get a bird eye view of performance
- A single screen with drill-down capabilities that allow CXOs to explore deeper insights to view outliers
- Decluttered scorecards accessible across multiple devices/platform to enable insights on the go!

## Self Service Analytics

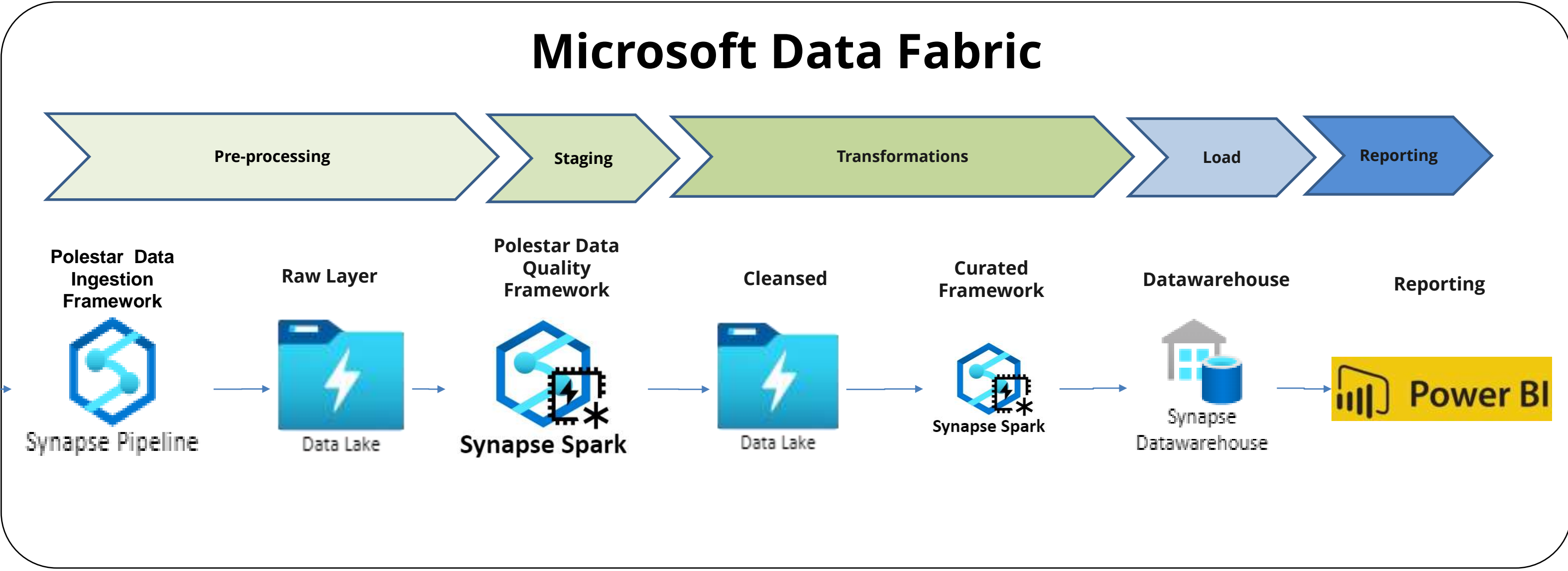
- Self Service Analytics Apps to allow users to play around with the data
- Intuitive Insights recommendation with simple drag and drop capabilities
- Quick Ignition for individuals/smaller teams



# Architecture – Microsoft Fabric



# Fabric - Architecture



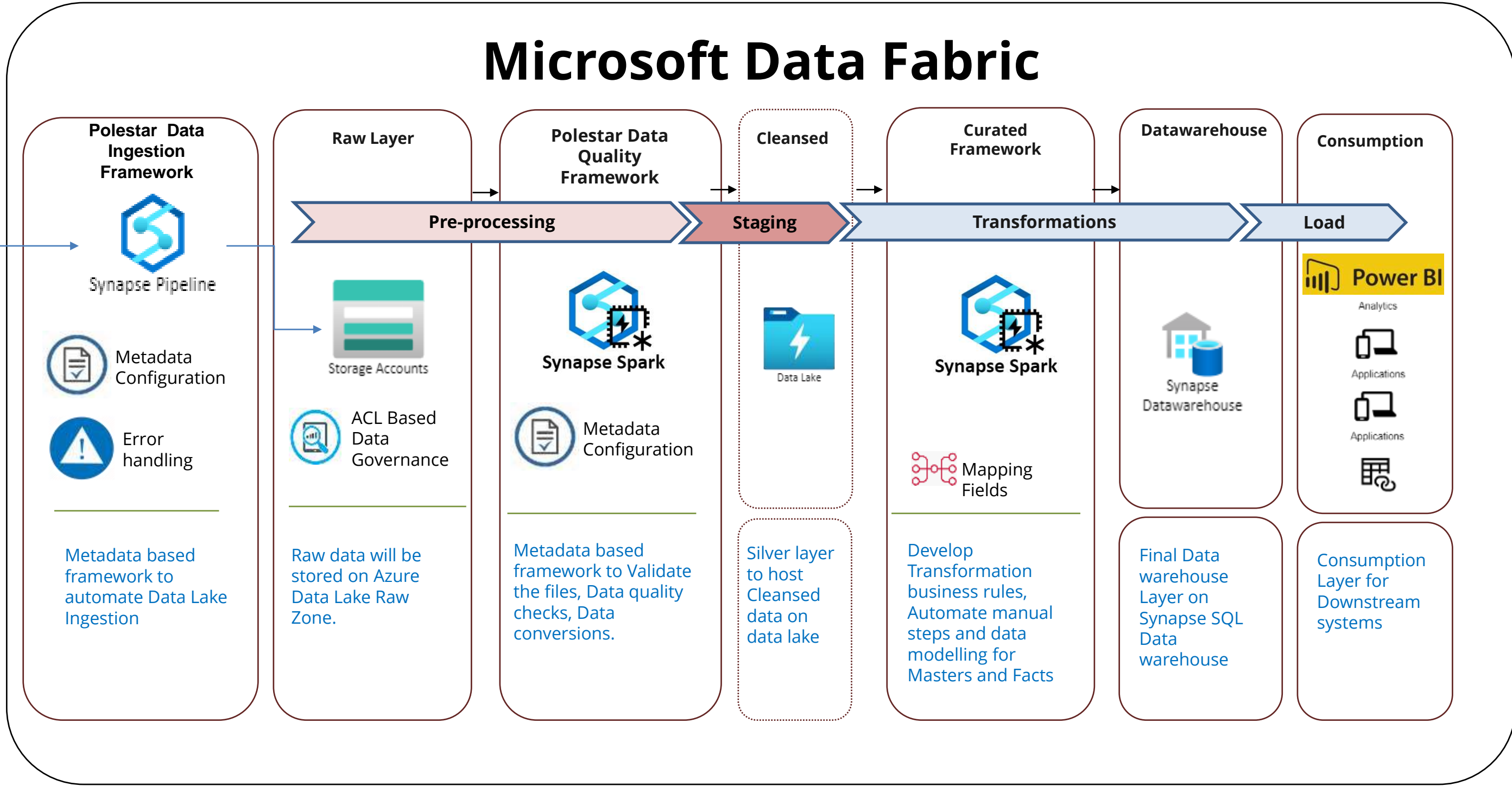
**Source System**

- Logs, files, and media (unstructured)
- Business/custom apps (structured)

**Platform**

- Azure Active Directory
- Cost Management
- Azure Key Vault
- Azure Monitor
- Security Center
- Azure DevOps & GitHub
- Azure Policy

# Fabric - Logical Architecture





# POLESTAR Anaplan

Thank You.



**Entrepreneur**  
INDIA  
Featured in India's  
Top 25 Techpreneur  
Class of 2018



Featured in **1000**  
High-Growth Companies  
Asia-Pacific

2018 | 2020 | 2021 | 2022

