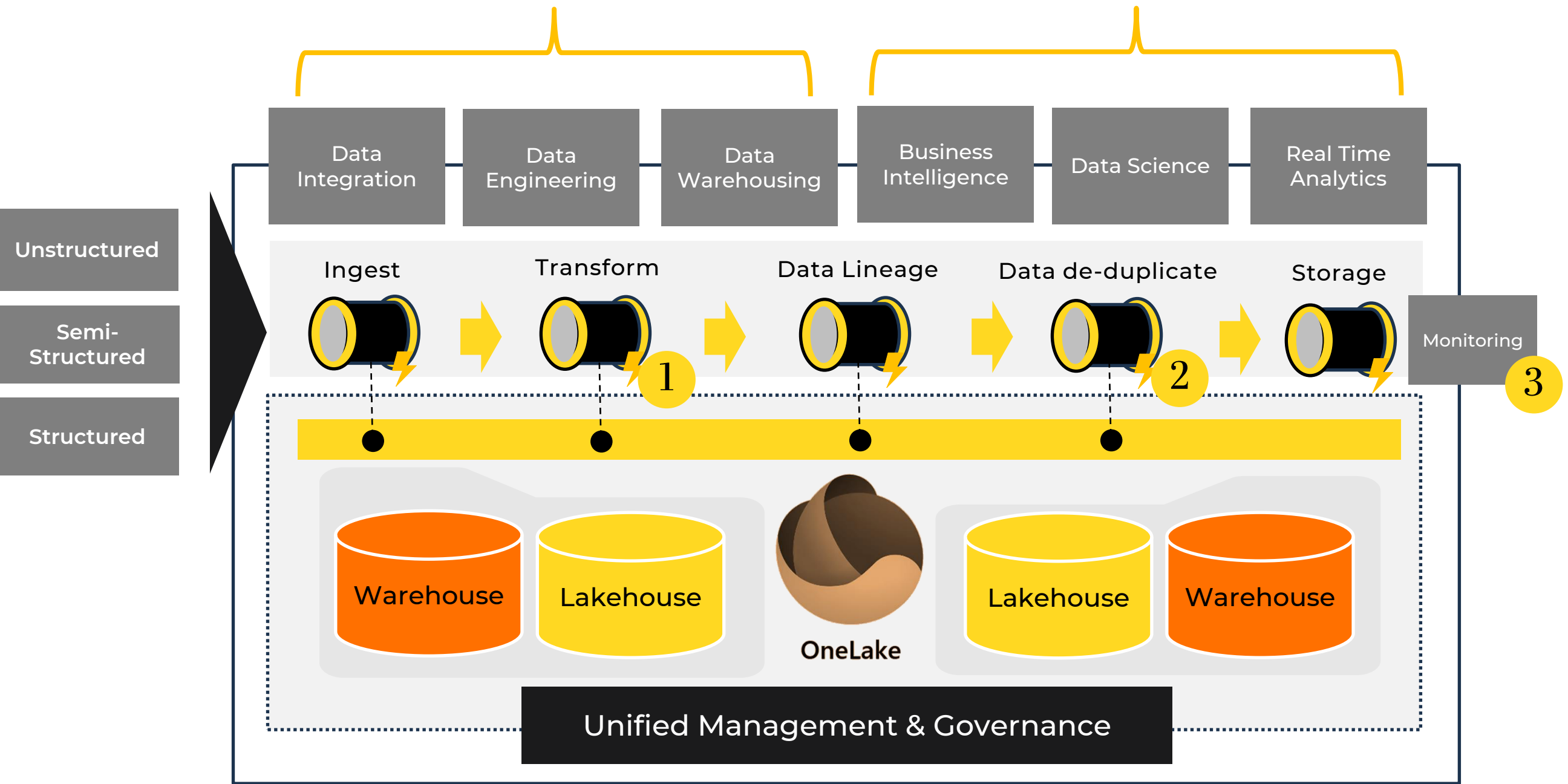


# Data + Insights =

## Polestar's Data Nexus

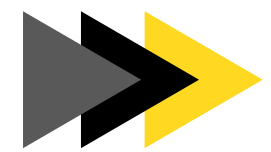
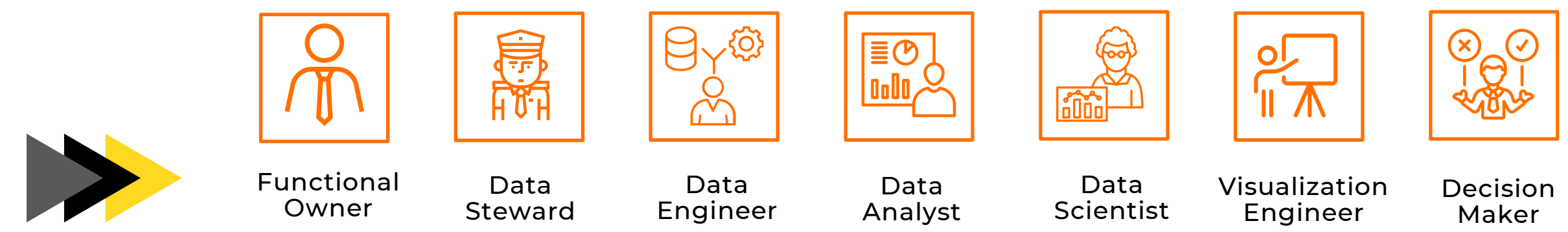
Data Nexus provides a flexible and unified framework for managing, accessing, and analyzing your Data Estate - enabling real-time access and agile decision-making. It includes data and insights



**1** Data Lake Automation Accelerator

**2** Historical Data Migration Accelerator

**3** Data Profiling Wizard



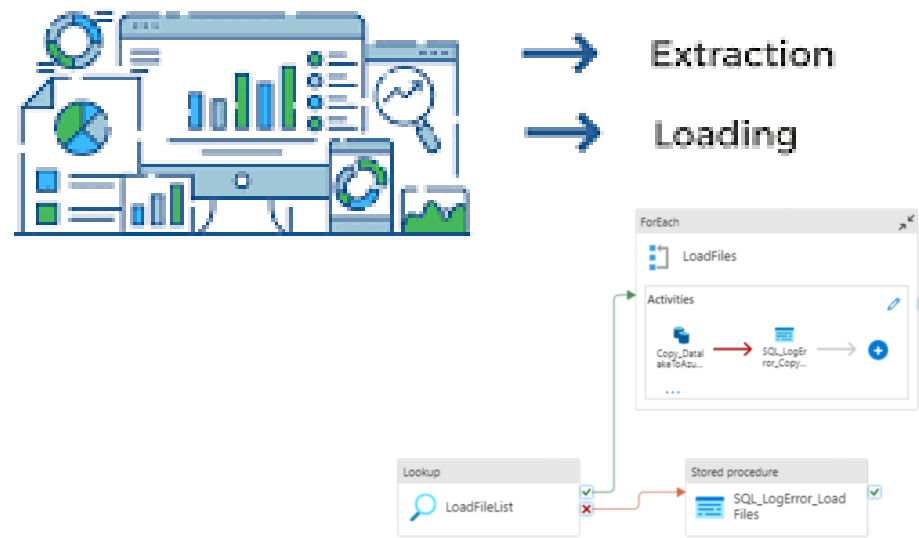
# Polestar's Data Nexus: Data

Modernize your data estate using our in-house developed accelerators

## 1 Data Lake Automation Accelerator

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

### Elements of data automation



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

## 2 Historical Data Migration Accelerator

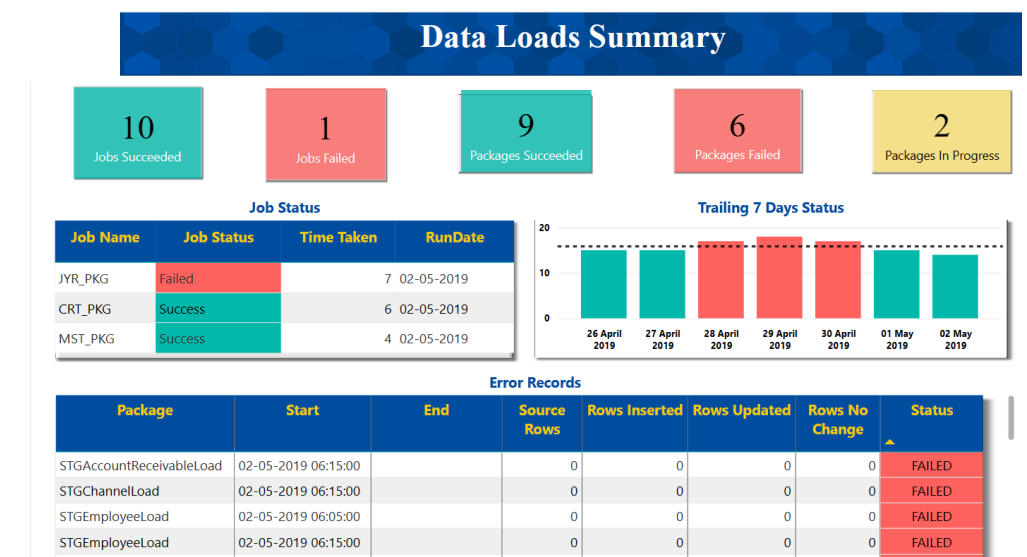
Framework designed to automate Historical data movement from different source systems to Target Data Lakes.



- Connect to any Target system
- Move Historical Data in Chunks
- Configurable Framework to complex structures for different timelines
- Following Best practices to enable Parallelism in Data loading resulting in quicker data loads
- Best suited for - One time loads to migrate data from On Premise to Cloud destination

## 3 Data Profiling Wizard

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

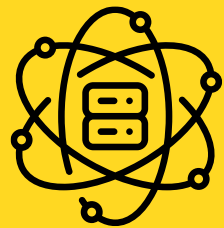


- Data Load Summary to provide latest updates with Altering mechanism for Failures
- Data Recon Reporting for Every Loads
- Profiling of all the data including Masters and Transactions
- Column level sampling for every tables
- Fact and Dimensions Profiling to keep check on Data Quality

# 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!



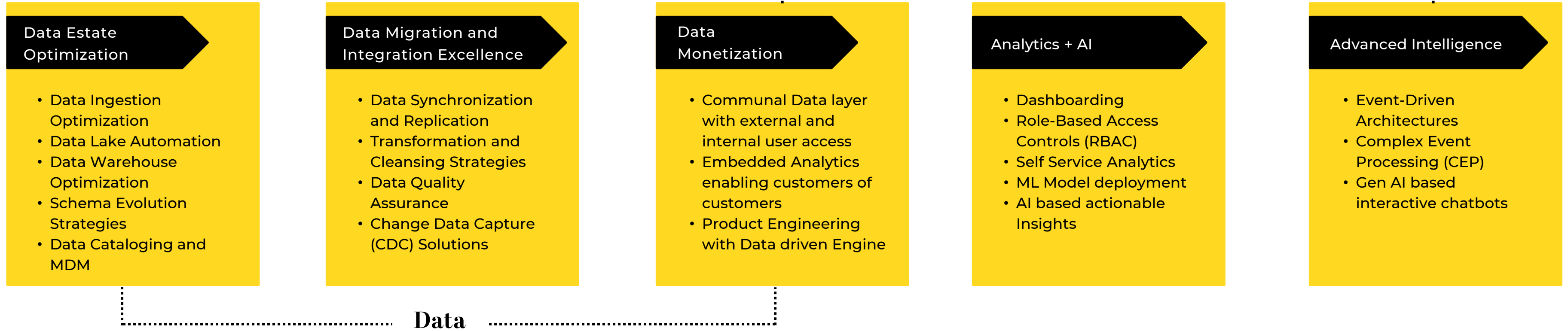
## Self Service Analytics

- 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

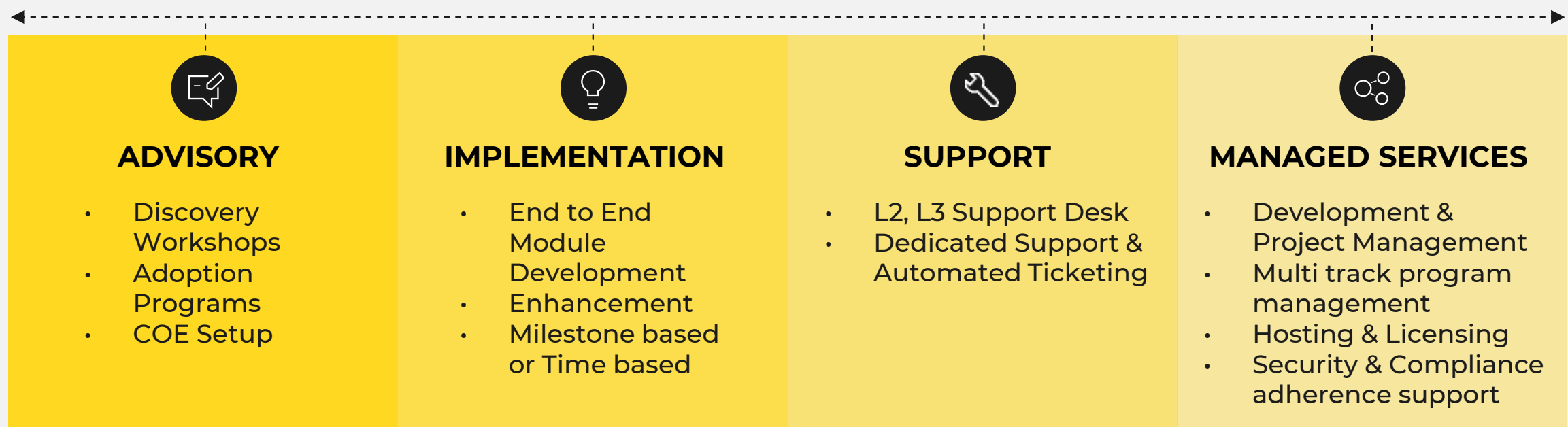


# How do we help?

## Implementation Snapshots



## Avenues of Engagement



## Our Data Nexus Leaders



**Ankit Rana**  
CTO



**Saurabh Singh**  
Global Delivery Head