

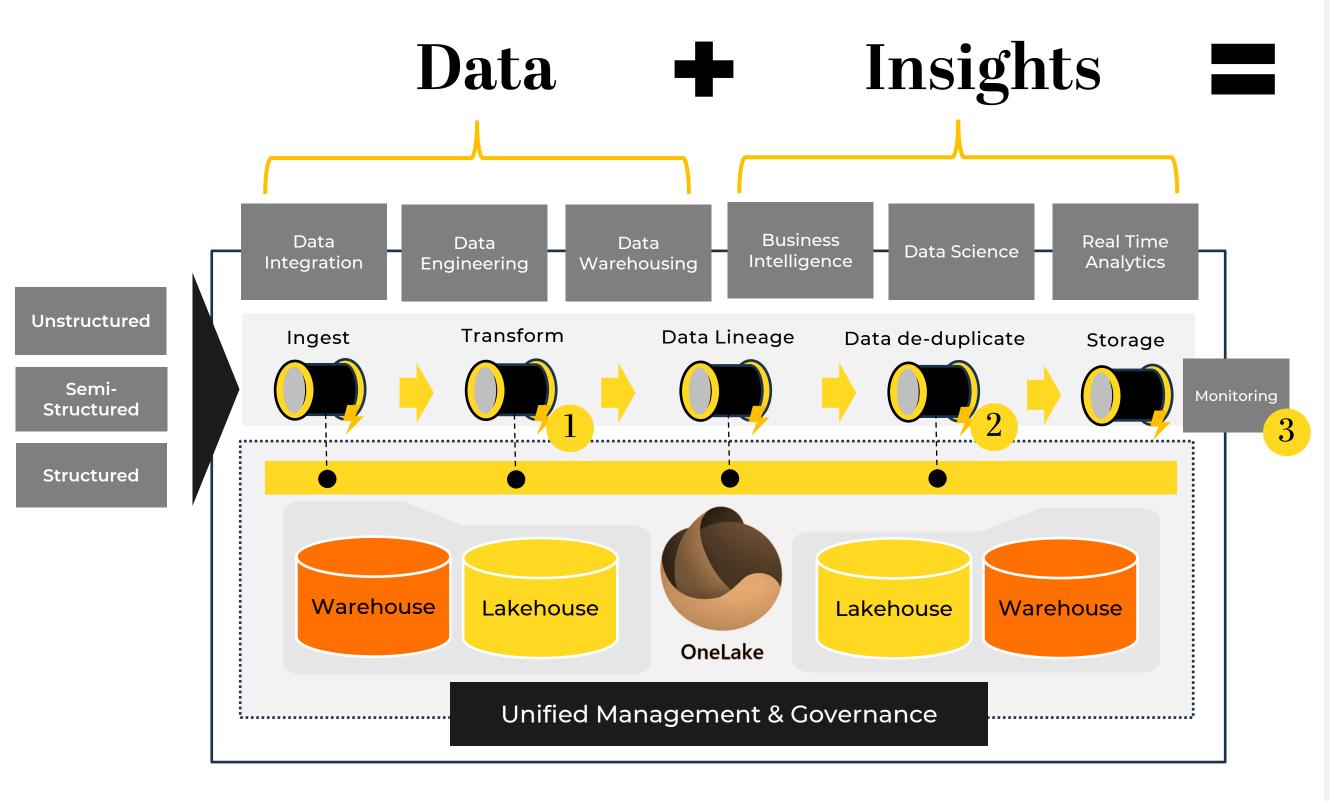
# Polestar's Data Nexus

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



**Historical Data** Migration Accelerator

**Data Profiling** Wizard







Data

Steward



Data

Engineer

Data

**Analyst** 



Data

Scientist











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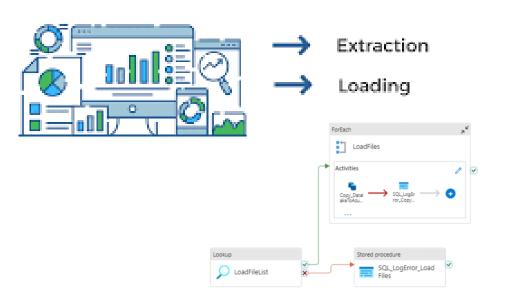
## Polestar's Data Nexus: Data

## Modernize your data estate using our in-house developed accelerators



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

#### Elements of data automation

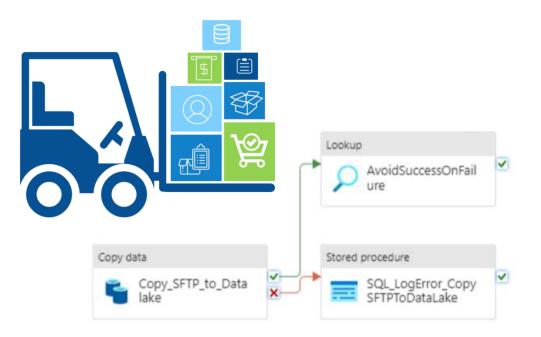


- Connect to any source system
- Move Incremental Data to Lake
- Audit and Reporting with logs
- Configurable Framework to Add/ Edit/ Delete New Tables, New Columns
- Following Best practices to enable Parallelism in Data loading resulting in quicker data extractions

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## Historical Data Migration Accelerator

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

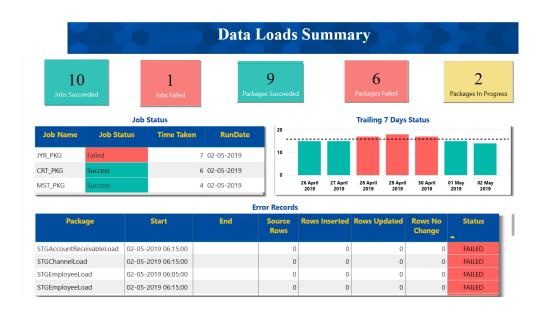


- Connect to any Target system
- Move Historical Data in Chunks
- Configurable Framework to complex structures for different timelines
- Following Best practices to enable Parallelism in Data loading resulting in quicker data loads
- Best suited for One time loads to migrate data from On Premise to Cloud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



### **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: Rolebased 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 drilldown 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**

#### Data Estate Optimization

- Data Ingestion
   Optimization
- Data Lake Automation
- Data Warehouse
   Optimization
- Schema Evolution
   Strategies
- Data Cataloging and MDM

## Data Migration and Integration Excellence

- Data Synchronization and Replication
- Transformation and Cleansing Strategies
- Data Quality
   Assurance
- Change Data Capture (CDC) Solutions

#### Data Monetization

- Communal Data layer with external and internal user access
- Embedded Analytics enabling customers of customers
- Product Engineering with Data driven Engine

#### Analytics + Al

- Dashboarding
- Role-Based Access Controls (RBAC)
- Self Service Analytics
- ML Model deployment

Insights

 Al based actionable Insights

#### Advanced Intelligence

- Event-Driven
   Architectures
- Complex Event Processing (CEP)
- Gen AI based interactive chatbots

#### Data

## **Avenues of Engagement**

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#### **ADVISORY**

- Discovery Workshops
- Adoption Programs
- COE Setup



#### **IMPLEMENTATION**

- End to End
   Module
   Development
- Enhancement
- Milestone based or Time based



#### **SUPPORT**

- L2, L3 Support Desk
- Dedicated Support & Automated Ticketing

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#### MANAGED SERVICES

- Development & Project Management
- Multi track program management
- Hosting & Licensing
- Security & Compliance adherence support

## **Our Data Nexus Leaders**

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Ankit Rana



Saurabh Singh Global Delivery Head