

Modern Data Integration

How Diyotta is addressing the challenges associated with the modern data landscape

Background

Massive amounts of new data are being created daily and there is a major paradigm shift taking place in the field of data and information management. No longer linear in nature, data that used to flow in one direction is now moving fluidly in many directions. To further complicate things, the number of platforms and targets where data is being landed has also grown to include many new open source and purpose-built platforms. Given the change in the data landscape, traditional ETL architectures simply cannot manage the flow of data in this new paradigm.

Modern Data Landscape Challenges



Volume

Executives require access to all of this new and expanding data



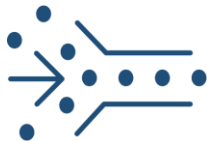
Complexity

Data is no longer flowing in a linear direction



Cost

Legacy tools, Modernization, Time to Value, Total Cost of Ownership



Scalability

Architectures must scale across environments, and geographies



Modernization

Traditional solutions cannot meet the needs of data-driven organizations

Five Principles of Modern Data Integration

The principles of modern data integration were created because of the architectural and scalability constraints of traditional data integration solutions. Built on the following five principles, Diyotta's MDI Suite delivers a *fast, efficient, and scalable* modern data integration solution.

Move data
Point-to-Point

Take the processing to
where the data lives

Leverage all platforms for
what they do best

Preserve all of the
technical metadata

Provide seamless
portability



Seamless Scalability



True Pushdown to
compute engine



Native Platform
Optimization



Technical Metadata



Compute Engine Portability

Diyotta is purpose-built for complex multi-platform modern data environments providing a modular architecture with a faster development cycle, full native push-down support, and portability to new & evolving compute engines.

Modern Data Integration Use Cases



Architectural Freedom

Diyotta's unique modular approach does not force a constrained architecture on your organization like other data integration solutions. Whether your environment is on-prem, in the cloud, hybrid, or spans multiple countries, the MDI Suite provides the architectural freedom to organize the components, as necessary, to manage multiple scenarios, including diverse geographies and massive workloads.

Benefits



Leverage All Platforms

- Unified solution to manage the integration across multiple data platforms
- Integration with native functions on various platform
- Faster connectivity with native connectors



Accelerate Time to Value

- Faster development with intuitive GUI
- No in-depth knowledge of underlying platforms
- Leverage existing resources for development



Gain Complete Visibility

- Data lineage from source to target
- Impact analysis to assess changes
- Operational statistics for monitoring activities

AT-A-GLANCE

- Purpose-built for Modern Data Integration
- Implementation 4-6x Faster than traditional approaches
- Point & Click with no specialized skills required
- 6-10x cost savings on Total Cost of Ownership compared to traditional or scripted solutions

A Large Financial Bank deployed a secure global data lake with 6x faster data extraction and 11x faster data movement across systems in 15 different countries
