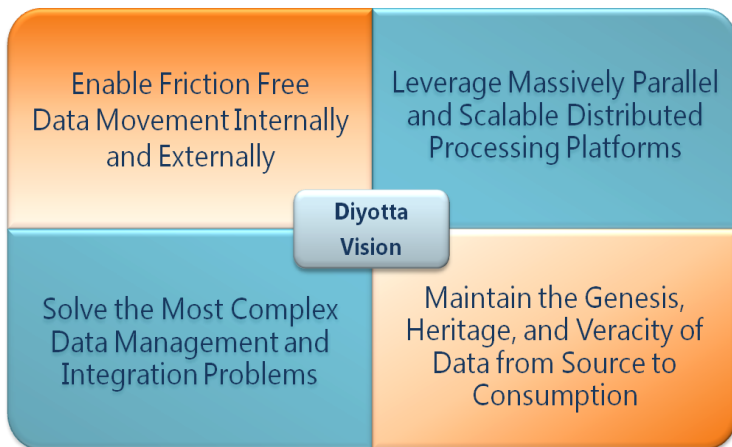# DIYOTTA
Frictionless Data Integration

We envision a future where anyone can access whatever data and content they need from any device, seamlessly and friction free. This will require not only the ability to integrate and interconnect many data sources and systems, combining, refining and enriching these huge volumes and varieties of data for maximum value, but also the ability to nimbly create and run the data streams and transformations necessary to deliver on the vision.

Beyond that, it will be critical to ensure that this data is meaningful and accurate, requiring that the heritage and lineage of the data is tracked, managed and registered from source to consumer. This will ensure results are valid through end to end transparency of data lineage.

With the ability to create multi-source data streams in minutes, transform your data into valuable information providing rapid insights and predictive analytical capabilities, and place the right data in the right places at the right time so consumers, analysts, data scientists and business users can access it quickly and easily, Diyotta will give enterprises the freedom to maximize the value of their internal and external data assets like never before.

Enable Friction Free Data Movement Internally and Externally	**Leverage Massively Parallel and Scalable Distributed Processing Platforms**
Solve the Most Complex Data Management and Integration Problems	**Maintain the Genesis, Heritage, and Veracity of Data from Source to Consumption**

Diyotta Vision

Diyotta delivers high performance and simplicity with our friction free big data integration solution. Eliminating the need for the intermediate software and servers required by current ETL tools, Diyotta provides a solution that is nimble and lightweight, staying out of the way of your data as it flows across the enterprise. Extremely agile and highly scalable, Diyotta grows with your data and your infrastructure, minimizing data latency by removing the middleman bottlenecks you experience today, replacing these with a frictionless solution that orchestrates data sourcing, movement, integration, aggregation, transformation, lineage and placement from point to point with no layovers on the way.

Built and Optimized for Massively Parallel Processing Data Warehouse Appliances such as Netezza, Teradata, Exadata and GreenPlum, Diyotta is the only solution that gives you 100% SQL pushdown for a true ELT experience. Our patented frictionless 'get out of the way' approach to data integration lets you fully leverage the power of your MPP platforms, streamlining data integration tasks and reducing data latency from hours to minutes.

By eliminating the intermediate systems required by other ETL tools, delays introduced by these tools go away and your overall costs are significantly reduced.

Our fully integrated design studio (Studio), data stream orchestrator (Scheduler), administration (Manager), metadata management (MetaView), and job monitoring (Monitor) functions accelerate development, deployment and operation of your data integration and transformation processes across the enterprise and beyond.

Studio
- Intuitive ELT Designs & Streams
- Reusable Components
- Integrated Windowing Functions
- Inbuilt External Data Extraction

Metaview
- Comprehensive Data Lineage
- Forward or Reverse Lineage
- Entity & Attribute Level Views
- Dataflow Representation

Admin
- Project, User, Privileges Setup
- External and MPP Host Configuration
- Role-based Security
- Server Logs and Security Administration

Monitor
- ELT Streams/Job Monitoring
- Restart/Abort Functions
- Operational Metadata
- Execution & Error Logs

Scheduler
- Job Scheduling
- File/Task Dependencies
- Alerts & Notifications
- Comprehensive Activity View

BENEFITS

Fast and Powerful!
By taking advantage of the processing power of massively parallel and distributed processing systems for data transformations and aggregations you can significantly reduce data latency, dramatically accelerating time to insight.

Low Cost!
Through maximizing your investment in these parallel processing environments you can significantly reduce the costs and complexity of traditional ETL platforms that are not optimized for your Big Data platforms. Diyotta is a fraction of the cost of legacy ETL tools.

Easy to Use!
Our intuitive, graphical, collaborative, and metadata-driven integrated development environment increases productivity, reusability, and trustability of your data integration processes.
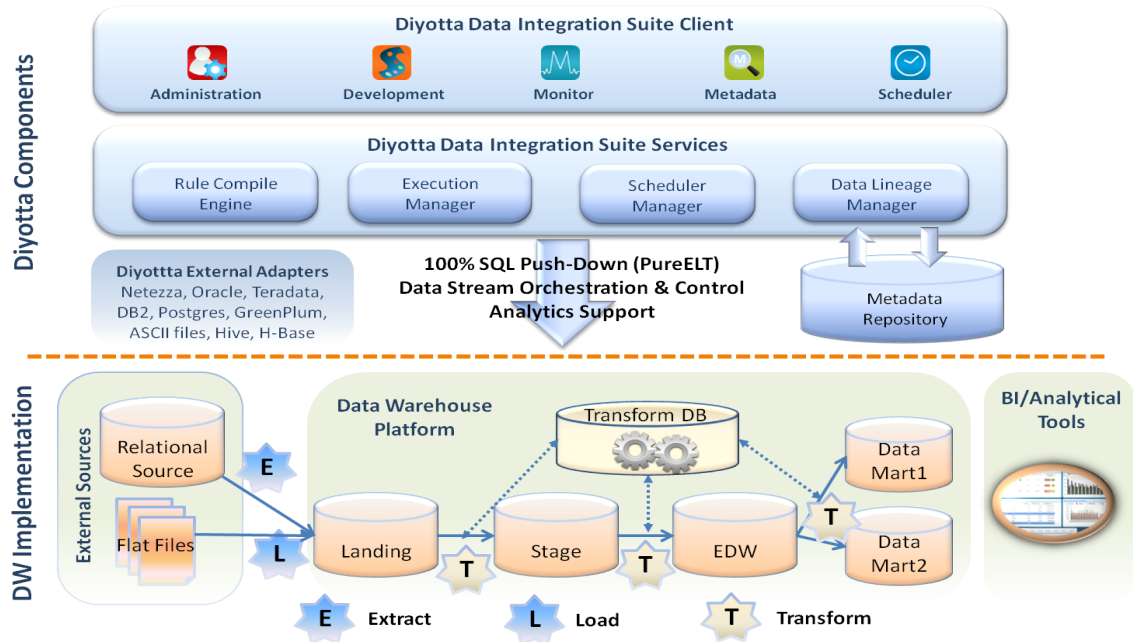
Keeps Your Data Honest!
End to end data lineage maintains the heritage and veracity of your data – you know where it came from, what you did to it along the way, and where it ended up. This is key to regulatory compliance and impact analysis. Financial Services firms for example need to be able to provide access to data that is trustworthy, relevant and high quality, otherwise they can face large penalties from regulators.

Nothing Like It!
Beyond Diyotta, no true ELT Tools purpose-built for MPP exist on the market today. With 100% SQL pushdown and end-to-end data lineage, along with our comprehensive, simplified and intuitive GUI-based ELT, scheduling and monitoring tools, you can finally fully leverage the power of your Data Warehouse Appliances such as Netezza or Teradata using native in-the-box database processing.

The Diyotta Data Integration Suite

Diyotta Components

Diyotta Data Integration Suite Client

| Administration | Development | Monitor | Metadata | Scheduler |

Diyotta Data Integration Suite Services

| Rule Compile Engine | Execution Manager | Scheduler Manager | Data Lineage Manager |

Diyotta External Adapters
Netezza, Oracle, Teradata, DB2, Postgres, GreenPlum, ASCII files, Hive, H-Base

100% SQL Push-Down (PureELT)
Data Stream Orchestration & Control
Analytics Support

Metadata Repository

DW Implementation

External Sources
- Relational Source
- Flat Files

E

L

Data Warehouse Platform
- Landing
- Stage
- EDW
- Transform DB
- Data Mart1
- Data Mart2

T

BI/Analytical Tools

E Extract   **L** Load   **T** Transform

ABOUT US
Diyotta is leading the Big Data Integration movement by giving you the ability to readily integrate and make available high value information across your internal and external data sources, rapidly enabling critical insights for strategic and competitive advantage with significantly less cost and effort than traditional DI and ETL tools. Our leadership team has more than 50 years of combined experience successfully delivering large-scale data warehouses to many of the largest enterprises in the world. Diyotta is focused on solving the most challenging big data challenges as data get bigger and bigger.

Contact us today for more information, to request a Diyotta demo or a free trial in your environment:
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E-mail: contact@diyotta.com

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