

xDI

Data Integration
Component

Experience the next-generation, high-performance data integration platform. Deliver the data your business requires in time while keeping your costs under strict control.

Semarchy xDI provides high-performance, agile and extensible data integration for all integration styles and use cases.

UNIVERSAL MAPPING

Semarchy xDI Universal Mapping allows the technical and business teams to work together by sharing the same vision around data.







METADATA-DRIVEN APPROACH

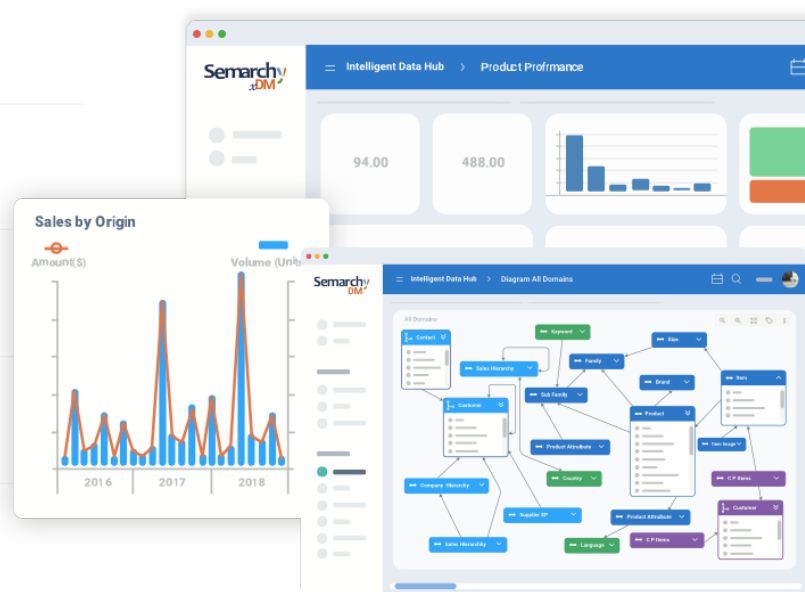
Semarchy xDI approach for modeling and developing improves quality, productivity and flexibility.

ELT ARCHITECTURE

The Semarchy xDI ELT approach minimizes the use of intermediate resources to process the data. It optimizes performance while reducing costs.

Organizations of all sizes and industries benefit from a full set of features to tackle all integration challenges including:

-  Traditional Business Intelligence
-  Advanced Analytics
-  Application Integration & Data Hubs
-  Anonymization & Compliance
-  Data Services
-  Cloud Modernization & Migration



Semarchy xDI is designed with the following features for better design productivity and higher run-time performances.

Through all these features, xDI enables you to deliver data when the business needs it, in a simple, fast, and secure way.

LIGHTWEIGHT RUNTIME DEPLOYMENT

Semarchy xDI uses a single lightweight Java component – the Runtime Engine – to handle run time execution and logging.

RATIONALIZED DEPLOYMENT MODEL

The deployment model for data integration processes is designed for production users. Package files generated by the development team are easily configured and deployed by the production teams, using graphical or command-line interfaces.

COMPREHENSIVE MONITORING

The entire execution flow is tracked in logs which are accessed using a Web-based administration dashboard. Live executions can be monitored and past executions can be replayed in diagrams that reflect the processes created at design time.

EXTENSIBLE CONNECTIVITY FRAMEWORK

In xDI, connectivity is a fully extensible framework. Technology Descriptors can be added or customized to support any type of technology without restricting the capabilities to a subset. Built-in Process Templates can also be customized to generate processes optimized for specific use cases.

BUILT-IN TECHNOLOGY ADAPTERS

Out of the box adapters provide read/write access to a variety of systems and data formats including files, databases, XML, web services, applications, etc. They include both the technology descriptors and process templates for these technologies.

REAL-TIME AND BATCH INTEGRATION PATTERNS

Both the real-time (Using Changed Data Capture) and batch integration patterns are supported. These patterns cover the most common use cases for Enterprise Data Integration, Business Intelligence, and Master Data Management.

The large number of Semarchy xDI connectors include cutting edge technologies such as Kafka, Google BigQuery, Snowflake or Spark.