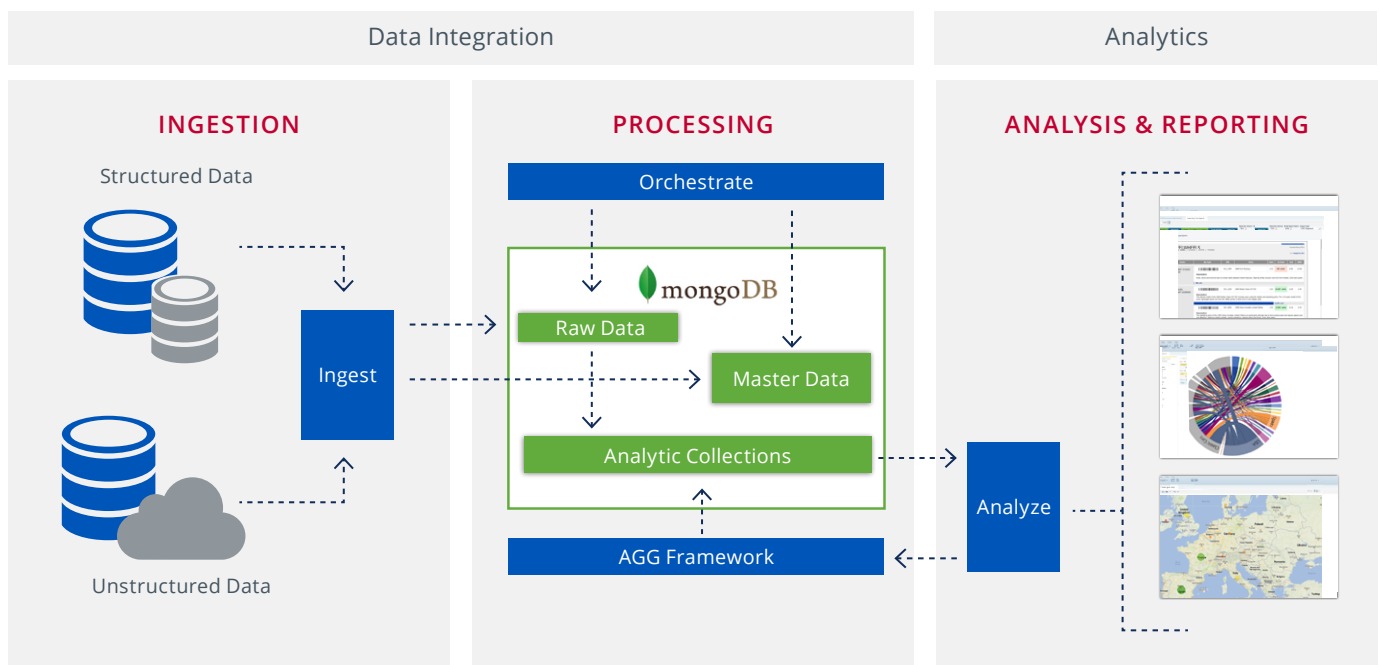Pentaho®
A Hitachi Group Company

Pentaho and MongoDB
Comprehensive Big Data Analytics for MongoDB

The Pentaho platform provides the first end-to-end analytic solution for MongoDB, including data ingestion, pixel perfect reporting, and ad hoc "slice and dice" analysis directly on MongoDB. Together, Pentaho and MongoDB deliver a complete solution that meets today's growing demand for a 360-degree business view generating superior value from Big Data.

The combination of Pentaho Business Analytics and MongoDB helps business users and developers:

- **Deliver Value from Data.** With Pentaho, MongoDB data can be accessed, blended, visualized and reported in combination with any other data source for increased insight and operational analytics.

- **Accelerate Data Access and Querying.** With no impact on throughput, this native integration builds on the features and capabilities in MongoDB, such as the Aggregation Framework, Replication and Tag Sets

- **Maximize Productivity.** Reporting on data stored in MongoDB is simplified, increasing both developer and end user productivity with Pentaho's drag and drop interface, automatic document sampling, and schema generation

Pentaho Analytics for MongoDB

Data Integration | Analytics

INGESTION | PROCESSING | ANALYSIS & REPORTING

Structured Data — Ingest — Orchestrate — mongoDB — Raw Data — Master Data — Analytic Collections — AGG Framework — Analyze — Unstructured Data

Pentaho and MongoDB – Solution Components

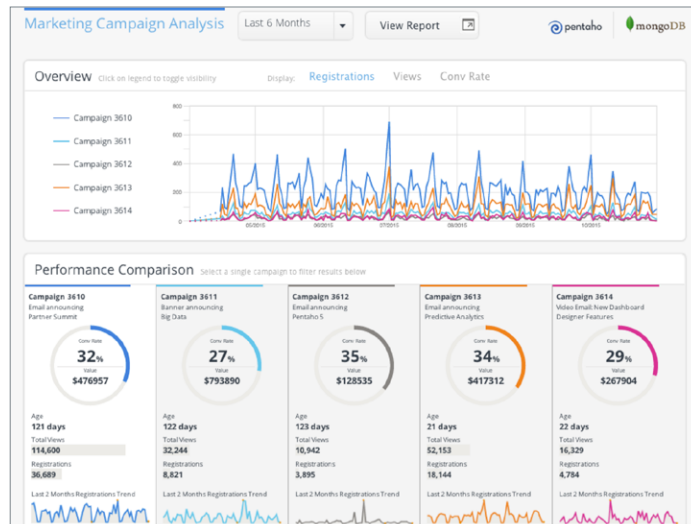## POWERFUL AND SEAMLESS ANALYSIS

Business users and analysts can immediately access, analyze, and visualize MongoDB data for superior insight

- Out of box library of dynamic visualizations, including geo-mapping, heat grids, and bubble charts
- Extreme scale in-memory data caching for speed-of thought analysis of large data volumes
- Powered by native Java ROLAP engine to query both structured and unstructured data.

PIXEL PERFECT REPORTING

Highly formatted production-quality reporting, directly on data stored in MongoDB

- Rich graphical enterprise report designer for power users
- Output in popular formats: HTML, Excel, CSV, PDF and RTF
- In-memory caching for fast results

VISUAL DATA INTEGRATION

Simplifies the process of accessing, consolidating and transforming MongoDB data with a drag-and drop interface

- Blend and integrate multiple MongoDB collections with enterprise data sources
- Design, develop and deploy MongoDB analytics solutions faster without coding
- Builds on MongoDB capabilities,with native integration to the Aggregation Framework, Replication and Tag Sets

---

Customer Spotlight

BUSINESS CHALLENGE
- Optimize data warehouse to extract, transform, and load growing volumes of semi and unstructured customer data on usage of MultiPlan health insurance information portal

- Address need to lower data management overhead and improve operational efficiency

"The Pentaho platform is meeting unmet market needs, allowing users to directly analyze data in MongoDB. We have seen more accurate results with new analyses and are no longer constrained by having to only pull part of our data"

– CHRIS PALM,
LEAD SOFTWARE ARCHITECTURE ENGINEER, MULTIPLAN

PENTAHO BENEFITS
- Directly analyze data in MongoDB to build more accurate models and better understand customer's buying needs and behavior

- Improve cross departmental reporting to enrich breadth of value in embedded, customer facing dashboards

---

pentaho.com/contact | +1 (866) 660-7555

pentaho®
A Hitachi Group Company