Infobright®DB

Scalable Big Data Analytics

Ignite's Infobright DB platform is a high performance solution for storing and analyzing large volumes of machine-generated data at lower cost and significantly less administrative effort than other database solutions.

Accelerate Data Analysis with Less Storage

Fast: Ingest and load data at lightning speeds. Near real-time data access means you can resolve complex queries that take traditional databases 5 to 100 times longer to process.

Efficient: Extracted Metadata information supersedes the need for indexes. Automatic partitioning at the columnar level means you can compress and store your BIG data without the heavy lifting.

Affordable: Low cost licensing options are flexible and customizable. No manual data partitioning, duplication, administration and tuning means you can reduce COGS.

High Performance Data Analytics for Better, Faster Business Decisions at a Low Cost

Ignite's Infobright DB powers applications to perform interactive, complex queries resulting in better, faster business decisions. Powered by our innovative Knowledge Grid architecture and rooted in mathematics and statistical modelling, Infobright DB is easy to implement and manage — helping you get the answers your business users need at a price you can afford.

- **High Performance:** Sub second response times for complex ad-hoc queries
- **Scalable:** Load terabytes of data per hour and scale to petabytes of data
- **Low Cost, High ROI:** No need for complex hardware and storage infrastructure
- **Load And Go:** Infobright doesn't require data partitioning, tuning or index creation — just load and go with your existing schemas.

Industry Leading Performance

Infobright DB combines a column-oriented database with our Knowledge Grid architecture to deliver a self-managing database optimized for analytics. Infobright DB eliminates the need to create specific schemas, create and maintain indexes, partition data, or do manual tuning.

- **Data Organization:** Data Packs improve data compression as the optimal compression algorithm is applied based on the data contents resulting in high compression ratios of 40:1 or more.
- **Knowledge Grid:** Information about the contents of each data pack and the relationships between data packs are automatically created and stored.
- **Query Processing:** Infobright DB uses information in the Knowledge Grid to determine which Data Packs are relevant to the query before decompressing any data.

Ignite
TECHNOLOGIES

Insight for Analytics at Scale

Key Features:

In addition to raw execution performance, Infobright DB offers several technical benefits to enterprise end users, IT organizations, DBAs and application developers. Its small footprint and low administration requirements make it ideal as an embedded database for ISV and SaaS solutions with data-intensive applications such as network management, telecom CDR analysis, or log analytics.

- The Granular Computing Engine processes queries using the Knowledge Grid information to optimize query processing. Queries can often be answered referencing only the Knowledge Grid (without having to read the data, resulting in sub-second query responses.

- Infobright DB includes an integrated loader enabling high speed loading. Also available as an add-on is the Distributed Load Processor (DLP), that scales load speed using remote servers. ColumnOptimizer extends Knowledge Grid intelligence by adding information about a particular data domain — such as web, financial services or telecom data — which the Granular Engine uses to optimize further for machine-generated data.

- Rough Query provides an interval to allow for data exploration, thus enabling a user to narrow down the results in an iterative manner, with sub-second response time, before the full query is run.

- Flexible deployment options including support for MySQL and PostgreSQL.

- Supports industry standard database interfaces including ODBC, JDBC and native connections.

- Supported APIs include C, C++, C#, Borland Delphi (via dbExpress), Eiffel, SmallTalk, Java (with a native Java driver implementation) Lisp, Perl, PHP, Python, Ruby, REAL basic, FreeBasic, and Tcl.

- Support for virtually all BI tools including Business Objects, SAS, Pentaho, Jaspersoft, MicroStrategy, Actuate/BIRT and Information Builders. Connectors to popular ETL tools are also available.

For More Information

Please contact us at success@ignitetech.com or visit www.ignitetech.com

Built For Machine Generated Data

Ignite's Infobright DB is specifically designed to achieve high performance for large volumes of machine-generated data used in complex ad hoc analytic environments, without the database administration other products require. Infobright DB combines semantic intelligence with advanced compression technology to accelerate queries and reduce hardware footprint resulting in a cost-effective solution designed to ensure on-demand performance without database tuning and administration.