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EvoApp Bermuda™ Analytic Engine

EvoApp Bermuda (patent pending) is a highly scalable, cloud-native, in-memory analytic engine capable of analyzing large amounts of data extremely fast. Bermuda provides cost-effective, real-time, Big Data analysis and insight for both unstructured and structured data, enabling a wide range of business applications.

Bermuda is capable of performing sub-second queries over billions of items, leveraging virtual machines and a cloud-scale storage system providing transactional, persistent storage of data.

In addition to world-leading performance for the data sets it is optimized for, the other major benefit of Bermuda is that a user does not have to define specific queries ahead of time, as is required with traditional business intelligence systems or a platform like Hadoop. Bermuda was built to support real-time, ad-hoc queries over large datasets. With Bermuda, a user can change queries on the fly, adjusting charts and reports and seeing results immediately. This expands the options associated with analytics on big data--more closely resembling a web search than a traditional business intelligence platform report.

Bermuda can achieve such exceptionally fast query response times because data is organized in a proprietary, patent-pending architecture that facilitates scan-intensive queries. These make up the bulk of business intelligence analytics computations (i.e. time series, computing averages or sums, grouping by day, hour, etc. over large datasets); by optimizing Bermuda for this type of query, the engine is able to allocate workload across hundreds or even thousands of servers, easily accommodating terabytes of information. Additionally, all queries are non-blocking to the writing of new information or updates to existing data.

The Bermuda architecture is unique because it combines the scalability of NoSQL databases, the performance of pure in-memory processing, and the cost/benefit advantages of a cloud-native deployment. It creates value by allowing EvoApp customers to make decisions and gain insights from massive quantities of data in an iterative, real-time environment. This represents a huge advance in the state of the art of unstructured data analytics and delivers on the promise of real-time/ad-hoc queries at scale.

Bermuda is a trademark of EvoApp Inc.

Bigger Data. Better Intelligence.