

OCIANT ON PREMISES

A modern approach to on-prem analytics

Cloud computing has earned a prominent place in the current IT landscape, but the “all-in-on-cloud” sentiment of several years ago has given way to a more measured approach. A growing number of organizations are shifting away from cloud-first strategies due to cost and security concerns. Meanwhile, those whose business requirements require their data to remain on premises are seeking better performance and smaller footprints. That’s why the Ociant Hyperscale Data Warehouse™ was built to work equally well on premises or in the cloud, delivering outstanding performance while cutting costs, energy usage, and system size.

With Ociant On Premises, organizations can:

Reduce operating expenses by replacing multiple tools with a single powerful platform that’s up to 80% less expensive than legacy on-prem solutions.

Balance capital expenses (CapEx) and operating expenses (OpEx) by taking advantage of Ociant’s predictable, all-in pricing.

Unify ETL, ELT, real-time analytics, OLAP-style workloads, geospatial analytics, machine learning, and more on a single platform, reducing costs and administration.

Drive sustainable growth with a more efficient analytics platform that uses up to 90% fewer servers than legacy solutions, creating ample room for growth.

CASE STUDY

North American Telco Leverages Ociant On Premises to Drive High Performance Network Analytics

Business Challenge

To comply with regulations, a large telco needed to ingest millions of rows of data per second and query it within minutes, but its existing on prem system was no longer up to the task. In addition to needing significantly better response times on thousands of daily queries, the organization was required to retain two years of network data and make it available for query rapidly.

Ociant Solution

The Ociant Data Retention and Disclosure System, powered by the Ociant Hyperscale Data Warehouse™, enables the telco to ingest, transform, and stream call detail record (CDR) data, making it available for query in seconds. The always-on solution uses a single 42u cabinet in the customer’s data center, supports geospatial functions, and handles more than 5,000 queries per day with minimum latency. It also has capacity for 3x more data than the legacy system, and it costs 80% less.

KEY RESULTS

- **15+PB** supported on a single 42U cabinet
- **80% savings** over previous solution
- **Over 1M records** ingested per second

The Ocient Hyperscale Data Warehouse On Premises

Ocient's flagship product delivers outstanding performance for always-on, compute-intensive data analytics on large or complex data sets, with features including:

Compute Adjacent Storage Architecture® (CASA). By positioning compute next to storage, Ocient eliminates network bottlenecks and enables users to perform compute-intensive queries on real-time and historical data in seconds.

Ocient Megalane™ enables users to run an extreme number of tasks in parallel, maximizing performance without requiring additional hardware.

Built-in support for ETL and ELT streamlines loading and transformation without 3rd party tools, reducing system costs and complexity

Zero Copy Reliability®. Ocient developed this method of ensuring reliability without replication and built it into the storage, query, and data access layers, reducing the storage footprint by up to 80% and boosting space and energy efficiency.

OcientML® offers machine learning models and training within the data warehouse, enabling customers to take advantage of AI capabilities without additional data movement or tools.

Comprehensive indexes, including TimeKey® clustering, string indexing (N-gram and hash) and numeric indexing, speed query results on multi-dimensional data types.

SELECT THE RIGHT HARDWARE FOR YOUR SOLUTION

Ocient's hyperscale data analytics solutions are optimized for high performance, industry standard hardware from leading suppliers including:

AMD



Hewlett Packard
Enterprise



SAMSUNG

SOLIDIGM



Migrate and Manage With Confidence

Choose our **Customer Solutions and Workload Services** offering for help developing, proving, and executing a plan for your on premises solution and realize rapid ROI. From performing a pre-deployment cost savings analysis to facilitating the retirement of legacy systems, we'll help you make the switch with confidence.

With **Ocient Management Services**, our team of experts manages your Ocient on premises solution so you can focus on driving business value. You'll get expert help with software installation, upgrades, monitoring, and more.

Ready to See Ocient in Action?

Get in touch to learn more at sales@ocient.com

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