

BUCKLE UP: IT'S TIME TO GO HYPERSCALE

Collecting and analyzing geospatial data alongside open-source data like weather and social feeds hold enormous potential for vehicle manufacturers, fleet operators, logistics companies, and more. Unfortunately, the abundance of potentially valuable data has become a blocker for many. Not only have data volumes become unwieldy, but the constant flow of data in both batch and stream formats and the need to analyze both real-time and historical data have led many organizations to cobble together complex data infrastructures that are expensive and difficult to maintain.

Ociant is uniquely positioned to help these organizations address their large-scale data needs on a single platform. With native support for both batch and stream loading, in-database machine learning, the industry's largest library of geospatial indexes, and the ability to work with real-time and historical data simultaneously, Ociant can simplify your solution stack, lower costs, and prepare for continued data growth.

Ociant Hyperscale Data Warehouse™

Engineered to streamline complexity for large datasets

Compute Adjacent Storage Architecture™ (CASA) leverages NVMe solid state drives to execute millions of parallel tasks, maximizing throughput and I/O

Zero Copy Reliability™ uses parity coding to ensure data reliability without replication and reduce the overall storage footprint by 50-90%

Built-in support for ETL and ELT streamlines loading and transformation, reducing system costs and complexity

OciantML™ positions machine learning and training inside the database, enabling customers to introduce AI into their analytics without moving and copying data

Flexible connectivity and interoperability enable users to execute powerful queries and visualizations with the tools of their choice.

Sophisticated workload management protects priority queries and continually optimizes for concurrency and performance.

OciantGeo™

An integral part of the Ociant Hyperscale Data Warehouse, OciantGeo is powerful new way to use geospatial data and supercharge the performance of spatiotemporal queries at massive scale

- **Up to 50x better resolution than other spatial databases**, with support for lines, linestrings, and polygons with up to 32 million embedded points — no need to downsample or simplify spatial data.
- **Decreased time to insight** thanks to the creation of a customized, optimized index every time a new dataset is loaded into the system.
- **The largest native geospatial library in the industry**, with more than 120 geospatial functions based on the WGS84 standard, facilitating high precision, low-latency geospatial analytics at scale.

FUELING INNOVATION AT HYPERSCALE



Autonomous Vehicles

Sensor data centralization & analysis

Map maintenance

Connected vehicle data



All-electric Future

Charging network optimization & delivery

Infrastructure planning

Battery optimization & charging experience



Delivery & Logistics

Ecosystem of connected products

Data analytics from commercial fleet

Service-area logistical planning



Safer Driving

Driving pattern analysis

Parts & test data analysis

Driving indicators



Personalized Experience

Software application usage & trend analysis

Predictive maintenance

Not Sure Where to Start?

Choose our **Customer Solutions and Workload Services** offering to develop, prove, and execute a plan that taps into the power of spatiotemporal data and delivers rapid ROI. From executing a pre-deployment cost savings analysis to facilitating the retirement of legacy systems, we'll help you make the switch with confidence.

Need a Little Help Along the Way?

With **Ocient Managed Services**, our team of experts manages your Ocient Hyperscale Data Warehouse deployment so you can focus on making the most of your geospatial data. You'll get expert help with software installation, upgrades, monitoring, and more.

FULLY-MANAGED SOLUTIONS ON PREM OR IN THE CLOUD

Ocient maximizes the efficiency of industry-standard hardware, delivering powerful performance in a smaller, more environmentally friendly footprint no matter where you deploy.

On Premises

Deployed in your datacenter

Public Cloud

Amazon Web Services or Google Cloud Platform

OcientCloud™

Hosted in the Ocient datacenter

Ready to See Ocient in Action?

Get in touch to book a demo: sales@ocient.com

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