

UNLOCK NEW INSIGHTS AT HYPERSCALE

Enhance spatiotemporal query performance with OciantGeo™

Mobile devices, satellites, sensors, and the internet of things (IoT) have created a proliferation of spatiotemporal data. Inside these massive data stores lie unprecedented opportunities to develop and roll out new capabilities around everything from customer engagement and fleet management to climate impact analysis, threat assessments, and more. Robust geospatial analytics can also inform business strategies and keep geographically dispersed operations running smoothly.

The more precisely businesses can analyze their geospatial data, the deeper the insights they stand to gain. Unfortunately, the limitations of many of today's spatial analytics platforms keep organizations from being able to analyze more than a fraction of the geospatial data at their disposal.

OciantGeo is a powerful new way to leverage geospatial data, enabling companies to supercharge the performance of spatiotemporal queries at massive scale, delivering:

- **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.



As part of the Ociant Hyperscale Data Warehouse™, OciantGeo enables organizations to:

Load geospatial data faster than ever. Embedded extract, transform, and load (ETL) capabilities empower users to load high-resolution geospatial data and make it available for query within seconds.

Improve query speed by up to 100x thanks to support for geospatial and other indexes.

Optimize energy, cost, and storage efficiency. Built-in compression and Zero Copy Reliability™ enable Ociant to reduce the storage footprint by up to 80% and energy consumption by up to 90%.

Accelerate AI on geospatial data. By leveraging OciantML™ for in-database machine learning, Ociant users can reduce latency and improve the quality of ML models.

Connect to BI and data science tools with ease using built-in JDBC, ODBC, and Python integrations.

Streamline operations by consolidating multiple capabilities across geospatial, real-time analytics, OLAP SQL and machine learning workloads.

TAKE GEOSPATIAL ANALYTICS TO THE NEXT LEVEL WITH OCIENT



Automotive & Aviation

- Predictive maintenance
- Operational efficiency
- Regulatory compliance



Climate Intelligence

- Historical analysis
- Impact modeling
- At-risk area identification



Government

- Disaster preparedness
- Threat assessment
- Space junk mitigation



Supply Chain & Logistics

- Route optimization
- Shipment monitoring
- Fleet management



Financial Services

- Mobile banking
- Customer behavior analysis
- Market trend analysis

FULLY-MANAGED GEOSPATIAL SOLUTIONS WITH NO APPLIANCE LOCK-IN

Spatiotemporal analytics on your terms: Ocient offers flexible deployment and management options

On Premises

Deployed on commodity hardware in your datacenter

Public Cloud

Amazon Web Services or Google Cloud Platform

OcientCloud™

Hosted in the Ocient datacenter

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.

READY TO TAKE GEOSPATIAL DATA HYPERSCALE?

Contact us for a demonstration — sales@ocient.com

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