UNLOCK NEW MISSION CAPABILITIES WITH HYPERSCALE GEOSPATIAL ANALYTICS

The massive volume of data created by mobile devices, sensors, satellites, fleets and other connected sources has created large-scale data analytics opportunities, particularly when it comes to spatiotemporal data. Location-based information can hold the key to developing better, more comprehensive tactical strategies, mobilizing faster responses, and more. With native support for complex geospatial data types including points, linestrings, and polygons, Ocient geospatial data analytics solutions allow customers to enrich new and existing workloads with unprecedented speed and precision.

Introducing Ocient

Founded in 2016, Ocient is a hyperscale data analytics solutions company focused on tackling workloads that are large, complex, or both. Because geospatial datasets sit squarely in that realm, we've developed a set of features to make it easier and less expensive for public sector organizations to incorporate this critical information into their data analytics workloads.

With Ocient, you can streamline and consolidate silos of structured, semi-structured, and geospatial data, modernize your IT infrastructure, and use more data to power mission-critical intelligence.

A US-based company headquartered in Chicago

Backed by:

Proud to partner with:

Available on NASA SEWP V & Army ITES-SW2

The Ocient Hyperscale Data Warehouse™

Our flagship technology delivers hyperscale performance on geospatial analytics

Increase accuracy. Based on the WGS-84 standard, Ocient's spatial engine natively supports more than 120 geospatial functions, using spherical math for maximum accuracy.

Enhance results. Ocient's native support for spatiotemporal SQL means you can analyze the movement of objects in both space and time.

Power real-time analytics. A comprehensive set of secondary indexes, including geospatial, supercharges query performance, delivering results in near real-time.

Supercharge loading. Our highly efficient system for stream loading and transforming massive amounts of disparate data enables organizations to load data at terabits per second.

Seize opportunities for machine learning. Create, train, and execute multi-petabyte machine learning models directly in the database.

Enrich your data. Our support for complex table joins enables organizations to analyze broader, richer datasets for more robust results.

DESIGNED FOR UNPARALLELED PRICE-PERFORMANCE AT HYPERSCALE
10x - 100x better performance at less than 50% the cost

Engineered from the ground up to tackle the world's largest datasets, Ocient leverages a revolutionary Compute Adjacent Storage Architecture™ (CASA) optimized for NVMe solid state drives to maximize compute at the IO layer. Ocient enables customers to co-locate multiple disparate workloads on a single platform, re-use data across silos, and serve thousands of concurrent users while maintaining performance. JDBC, ODBC, and Python connectors make it easy to integrate Ocient with existing dashboards, mapping, and business intelligence tools, and efficient compression and parity coding deliver enterprise-grade availability and reliability while reducing the storage footprint by 80% or more.

Customer Solutions and Workload Services: An Easier Way to Get Started

Custom Workload Audit — we develop an understanding of your entire workload, environment, and desired innovations to deliver a full technical specification

Cost Savings Analysis — we provide a thorough economic analysis that demonstrates the technical, business, and financial savings you can achieve with an Ocient solution

ETL/ELT Flows & Data Integration — we consolidate or sunset standalone ETL environments and landing zones, reducing data movement, copy, and cloud extract costs

Policy Development — we develop or amend organizational policies, such as those related to security and business continuity

Pilot-to-Production Solutions Engineering — we design, prototype, test, and validate a fully operational solution that is ready for deployment in weeks to months

Solutions Deployment & Legacy Retirement — we deploy your new production solution, monitor performance 24/7, and sunset your legacy environment with zero downtime or operational impact

---

FULLY-MANAGED SOLUTIONS ON PREM OR IN THE CLOUD

Our flexible deployment options mean you can run your geospatial analytics solution wherever the mission requires.

On Premises
Deployed in your datacenter

Public Cloud
Amazon Web Services or Google Cloud Platform

OcientCloud™
Hosted in the Ocient datacenter

Get Started with Ocient

To learn more, please contact governmentsales@ocient.com.

© Ocient 2023
ocient.com