

OCIENT ON GOOGLE CLOUD

Delivering cutting-edge technology and expert services

Available in the Google Cloud Marketplace, Ocient's powerful technology and deep industry expertise help companies consolidate workloads and power up their analytics capabilities, all while burning down their Google Cloud committed spend. By bringing together real-time analytics, SQL data warehousing, geospatial analytics, machine learning, and complex ELT/ETL pipelines on a single platform, Ocient optimizes performance and efficiency while reducing the costs associated with always-on, compute-intensive analysis.

OCIENT HYPERSCALE DATA WAREHOUSE™ AS A MANAGED SERVICE

Next-level performance for your most critical and complex workloads

Always-on data streaming and ingest. Native support for traditional ETL workflows, ELT pipelines and SQL-based transformations during streaming/ingest mean you can load terabits per second of raw data for lightning fast time-to-queryability.

Minimal latency on high concurrency workloads. Ocient's Compute Adjacent Storage Architecture™ (CASA) couples compute and storage, eliminating the need to access remote data stores

Highly efficient indexing. A comprehensive set of indexes, including TimeKey™ clustering, supercharges query performance, delivering results that are up to 100x faster than the cloud data warehouses on hyperscale full table scans.

Hyperscale query optimization. Optimize the execution path for every query, delivering sub-second results on up to 100 parallel queries, even with multiple mixed workloads running concurrently.



"We needed an experienced partner to help us get us from concept to production. With Ocient, we were able to complete the initial migrations in a matter of months."

—Jim Martone, VP of Engineering, Dun & Bradstreet

CUSTOMER SOLUTIONS AND WORKLOAD SERVICES

Accelerate time to value and reduce the burden on internal resources

Workload Design & Delivery — we partner with you to understand your entire workload and desired end state, then deliver a full technical spec, validation, and documentation.

Platform Migration & Policy Development — we model and plan for hardware, software, labor, and facilities, execute full re-platforming or migrations with clear timelines, and develop or amend organizational policies.

System Sizing & Footprint Optimization — we optimize hardware and cloud sizing, maximize compression, and deliver data durability without replication.

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

Pilot-to-Production Solutions Engineering — from MVP to full production deployment, 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 solution and sunset your legacy environment with zero downtime.

CASE STUDY

Dun & Bradstreet replatforms mainframe and Netezza to Ocient on Google Cloud

Business Challenge

Dun & Bradstreet, a leading business decisioning firm, was running highly complex, mission-critical jobs in a Netezza and legacy mainframe environment. The company needed to migrate years' worth of datapoints about each of the 500 million entities in its data cloud. The ideal solution would allow room for growth and run in the company's environment of choice: Google Cloud Platform.

Ocient Solution

Collaborating closely with the Dun & Bradstreet team, the Ocient Customer Solutions and Workload Services team accelerated the design and execution of this massive migration to Ocient on Google Cloud, delivering a solution that simplifies data migration with support for direct file loads from Google Cloud Storage, along with native ingest and transformation of complex datatypes, including mainframe data. The solution includes support for massive joins, powerful extract capabilities, and sophisticated workload management that enables the team to handle mixed and complex workload concurrency.

Key Results

- Replatformed more than 1,000,000 mainframe CPU seconds to surpass monthly breakeven in under 4 months
- Maintained 99.992% uptime for first six months of deployment with zero business disruption
- Achieved ROI within 10 months
- 96.3% lower elapsed processing time — from days to minutes

Ocient delivers real-time analytics & insights by leveraging the full power of an enterprise-grade SQL data warehouse, including:

Built in ETL & ELT allows companies to leverage continuous loading and transformation capabilities to build their own data pipelines.

Ocient Megalane™ delivers exceptional performance by enabling an extreme number of parallel tasks

OcientML™ places machine learning capabilities right next to the data, simplifying AI workflows and improving the accuracy of ML models by using the freshest data available.

Zero Copy Reliability™ uses parity encoding in the storage, query, and data layers to reduce the storage footprint by up to 80%.

Sophisticated workload management capabilities enable users to manage multiple mixed workloads within tiered service classes.

OcientGeo™ supports high-resolution geospatial datatypes with a powerful spatial index and the largest native geospatial library in the industry.

MAKE THE MOST OF YOUR GOOGLE CLOUD INVESTMENT

100% of Ocient software and services purchased through Google Cloud Marketplace can be used to retire committed Google Cloud spend. Learn more [here](#).

Ready to learn more?

Contact us at gcp-marketplace@ocient.com, or visit