

MODERNIZE MAINFRAME ANALYTICS

For most of the organizations using mainframe today, it is a tried-and-true, deeply entrenched workhorse that they trust to keep their operations running as intended. However, as the march toward cloud computing continues, many of IT's biggest players are offering services aimed at moving everything on the mainframe — data, applications, and analysis — to the cloud. Unfortunately, these endeavors are often too broad to be realistic.

Ociant's approach to mainframe is different. Rather than an expensive, years-long mainframe migration, we deliver value quickly by providing a real-time analytics platform for mainframe data. Leaving critical applications where they are, we develop and execute a plan to move mainframe data to Ociant, where it can be analyzed comprehensively in near real time. The result: better performance, a deeper understanding of business-critical data, significantly lower costs, and a modernized system that combines the best of old and new technology.

Reap the rewards of a data-first strategy with Ociant

Prepare for the future. Ociant solutions are a powerful, modern alternative to older analytics platforms that are approaching end of service.

Mitigate risk. Moving data and analysis from mainframe to Ociant eliminates the risk and exposure inherent in larger scale migrations.

Make better business decisions. Combining the historical and real-time transactional data in your mainframe systems with new information from digital channels offers tremendous business value.

Adopt machine learning models. With Ociant, intra-database machine learning, model training and prediction are built in, so it's quick and easy to integrate machine learning into your business operations.

Modernize on your own terms. Augmenting your mainframe architecture with a modern, SQL-based solution offers a way to attract new talent while leveraging existing expertise.

Delivering Hyperscale Analytics on Mainframe Workloads

- **Simplified loading.** Stream or batch load data to Ociant from S3, GCS, or Kafka with user-defined transformation.
- **Built-in workload management.** Manage multiple mixed workloads within tiered service classes.
- **Increased agility.** Move away from rigid siloed data, remove outdated interfaces, consolidate software licenses, and reduce the cost of ETL.
- **Automated conversions.** Ociant can handle packed decimal data, SMF/RMF data, and EBCDIC conversions to UTF-8 or ASCII.
- **Cost-effective scale-out.** Process up to trillions of compute and storage records per second.
- **Support for multiple datatypes.** Ociant offers native support for multi-dimensional data types, including arrays, tuples, and geospatial.

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

- \$3.4M in projected costs savings over 5 years
- Achieved ROI within 10 months
- 96.3% lower elapsed processing time — from days to minutes
- Replatformed more than 1,000,000 mainframe CPU seconds to surpass monthly breakeven in under 4 months

Customer Solutions and Workload Services

Our experts help you move mainframe data and analytics to Ocient efficiently, partnering with you every step of the way.

Workload Design & Delivery — we partner with you to understand your entire mainframe system 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 production solution and sunset your legacy environment with zero downtime and operational impact.

Move Mainframe Data and Analytics to the Environment Best-suited to your Business

On Premises

Deployed in your datacenter

Public Cloud

Amazon Web Services or Google Cloud Platform

OcientCloud™

Hosted in the Ocient datacenter

Ready to learn more?

Book a demo or request a free cost savings analysis: sales@ocient.com