

OCIANT DATA RETENTION AND DISCLOSURE SYSTEM

For many communications services providers (CSPs), supporting the lawful disclosure of retained network data in accordance with new and existing laws like CALEA and IPA has become a complex and expensive burden. As data volumes grow, legacy solutions struggle to meet mandated service level agreements (SLAs), opening the door to legal and financial risk.

The Ociant Data Retention and Disclosure System, powered by the Ociant Hyperscale Data Warehouse™, is a modular lawful disclosure solution that can scale to ingest, store, search, and analyze network and business data elements from a variety of sources to meet regulatory requirements while reducing costs and minimizing the system footprint. With Ociant, CSPs can:

- ✓ **Ingest millions of records per second.** Powerful, always-on loading and transformation capabilities enable organizations to minimize latency while harnessing multiple sources of streaming data.
- ✓ **Accelerate time-to-query** on hyperscale datasets to meet or exceed compliance requirements with a platform that can scale to meet the demands of rapidly expanding data stores.
- ✓ **Obtain query results in near real-time.** Support for network data types and indexes for IP addresses and domain names accelerate queries for network analysis and search.
- ✓ **Store full-resolution data for months to years.** Collect, store, and analyze critical network data in accordance with regulations, with automatic deletion after user-defined time periods.
- ✓ **Optimize storage and energy usage.** Ociant systems use up to 90% fewer servers or cloud instances than the competition, reducing costs without impacting performance.

CASE STUDY

Ociant enables large telecommunications company to meet need for long-term retention and fast analysis of network metadata

Business Challenge

Faced with a new requirement to store network metadata from across their network, this telco had used legacy systems to meet its needs. However, the growing size and complexity of its CDR and IP datasets meant that existing systems were no longer able to meet response SLAs. The company needed a new way to meet key requirements without increasing its budget.

Ociant Solution

The Ociant Data Retention and Disclosure System enables the telco to ingest, analyze, and store one year's worth of IP and CDR data and obtain results on time-critical queries well within existing SLAs. The fully-managed Ociant solution runs in the telco's existing on-premises data center, and it supports a wide range of geospatial functions, making it easy to enrich data with location-based information.

KEY RESULTS

- **30 TBps** of core network traffic analyzed
- **276 billion new records** per day
- **Multiple concurrent queries** per day
- **Second to minute** response times
- **26 PB & one year of retained data** available for query in minutes
- **Less than one rack** for the entire solution

Improve Performance with a Modular Approach

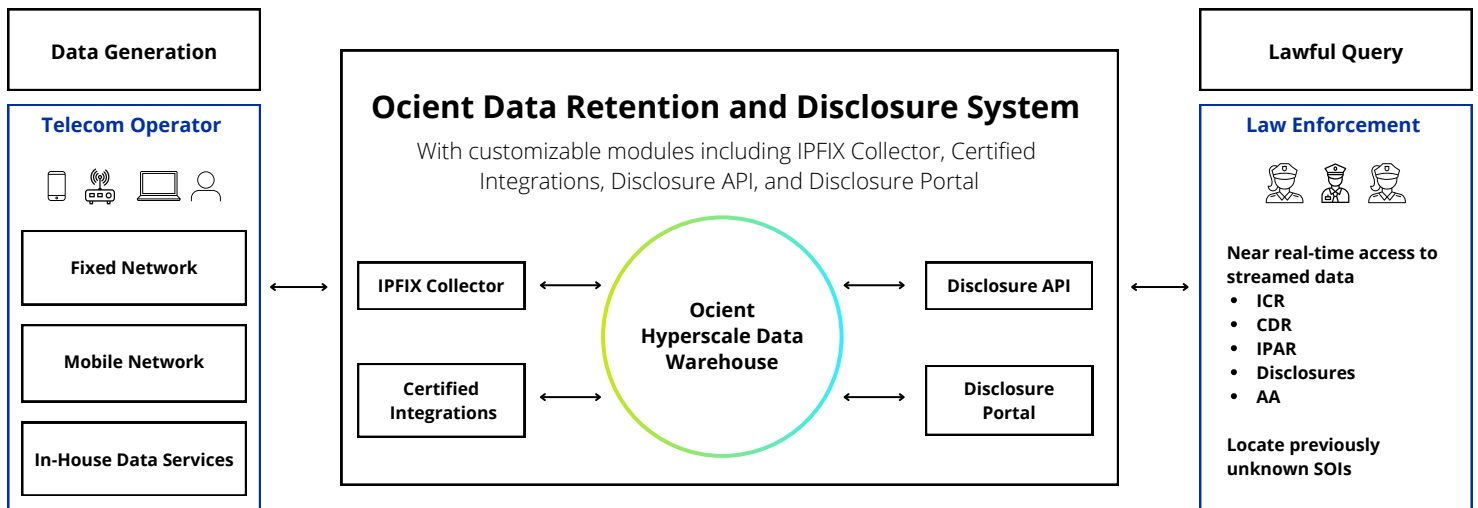
Some CSPs may need to replace their entire lawful disclosure solutions, from data collection through data disclosure. Others might want to focus on upgrading one or two of the solution's components. Either way, the Ocient Data Retention and Disclosure System's customizable, configurable modules are designed to integrate seamlessly into your existing environment, upgrading performance and reducing costs.

IPFIX Collector: A high-throughput data collector for handling proprietary, unbuffered UDP streams of IPFIX data from network probes.

Certified Integrations: Using streaming or file-based loading, pre-built integrations collect and load data from network probe partners or network appliances using common industry data formats.

Disclosure Portal: A graphical user interface to support disclosure teams with administering the disclosure request lifecycle.

Disclosure API: A configurable API that allows disclosure teams to seamlessly interface with internal systems and law enforcement systems to perform and fulfill disclosure requests.



Deploy Securely in the Environment of Your Choice

By offering flexibility to deploy on premises in your data center, on cloud, or as a fully-managed service hosted in OcientCloud®, Ocient ensures you can operate in the environment that works best for your business, with no appliance or proprietary lock-in.

On Premises

Deployed on standard hardware in your datacenter

Public Cloud

Amazon Web Services or Google Cloud Platform

OcientCloud®

Hosted in the Ocient datacenter

Ready to learn more?

Contact us for a demonstration: sales@ocient.com

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