

COLLECT. OPTIMIZE. ANALYZE. VISUALIZE.

Empowering Law Enforcement with Needle-in-the-Haystack Insights at Petabyte Scale

SS8 delivers data analytic solutions to intelligence agencies around the world designed to handle complex forensic data from multiple sources. However, for one recent project, the velocity, volume, and variety of data became so large and complex, they turned to Ocient for expedited data processing.

With the ability to gather, optimize, store, and rapidly analyze actionable intelligence across network metadata, communication information, geo-location, mobile activity, and other disparate sources, SS8 and Ocient together are able to provide law enforcement agencies (LEAs) a highly scalable analytics platform and visualization engine. It is capable of ingesting 10's of millions of records per second and returning queries in the order of seconds. Resulting actionable intelligence 10 to 50 times faster.

SS8 and Ocient simplify data management, enable real-time visualizations and scale to manage 10's of petabytes of data which can be harnessed in seconds for lawful intelligence. By leveraging SS8 and Ocient as a joint technical solution, LEAs can leverage full resolution data sets with typically one-fifth of the storage footprint of copy-based data management solutions.

BETTER TOGETHER

When conducting law enforcement investigations, speed is of the essence. The difference between detecting criminal activity in the digital space in seconds versus hours or days has a massive impact on addressing crime and protecting public safety. By working with SS8 and Ocient together, LEAs have the ability to work better, smarter, faster and at a larger scale to address more threats, scale hard to find insights and harness the power of data for good at an unprecedented level of performance

VALUE PROP

Find needle-in-the-haystack digital forensics against full resolution, petabyte-scale data sets

Identify new patterns of life 10x-50x faster

Monitor digital traffic across disparate sources and complex data types

Empower users across the organization while enforcing secure and compliant access

Visualize activity in near real-time

USE CASES

Lawful Intelligence Gathering

Cyber Security

Network Monitoring

Financial Crime

Dark Web Crime Investigation

KEY BENEFITS

-  Terabit per second scale network visibility
-  Efficient gathering, transformation, analysis and visualization across multiple complex data formats
-  Ad hoc queries and dynamic schema changes via standard ANSI SQL semantics
-  Sophisticated workload management in a multi-tenant environment
-  Enterprise-grade reliability and availability with a minimal storage footprint
-  Simple and efficient deployment with SS8 and Ociant experts enabling every point in the data flow

USE CASE SAMPLE

SS8 enables LEAs to create 'Digital Fingerprints' across historic (as per government regulations) and real-time data for forensic analysis. From location-based intelligence to 5G and Internet of Things (IoT) data sources, LEAs can gather patterns of life across a growing number of data sources in real-time. When combined with Ociant's hyper scale data warehouse platform, LEAs can not only collect meaningful intelligence, but also run rapid analytics on massive data sets to achieve new levels of visibility for lawful intercept. As the volume of data inputs continue to grow and security and lawful intelligence needs evolve, the joint solution enables LEAs to consolidate workloads on a single platform and scale without limits.



ABOUT OCIENT

Ociant enables organizations to explore and interact with hyperscale data sets quickly, cost effectively, and in previously infeasible ways to deliver meaningful insights and drive customer innovation. Ociant has built a hyperscale enterprise data warehouse platform that enables rapid transformation and analysis of massive (peta-byte)-scale data at speeds 10x-50x faster than competitive solutions. Built from the ground up for OLAP-style workloads, Ociant delivers disruptively better price performance at limitless scale. Ociant's Data Warehouse is available for deployment on-prem or in the cloud with a highly experienced team of data engineers and industry veterans who can partner with customers to deliver end to end analytics solutions from pilot to production. Headquartered in Chicago, Ociant is venture-backed by OCA, Greycroft and In-Q-Tel.

Learn how we can help you to capture data and turn it into actionable intelligence:

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