State of New Jersey Improves Data Productivity with Attunity Visibility

"We can quickly pinpoint application usage/ performance inefficiencies, slow reports, and bad queries to optimize data stores and performance."

—Dan Paolini, Deputy CTO Enterprise Data Services, State of New Jersey

The State of New Jersey Office of Information Technology (OIT) is the central IT organization that oversees the technology infrastructure for the executive branch of State government. It is this infrastructure that enables the State to deliver vital services to New Jersey's citizens and businesses every day.

The Challenge

Supporting the accelerated growth in the Business Intelligence (BI) user community had become a heavy burden for the Data Management Services (DMS) group at the State of New Jersey's Office of Information Technology.

As the data warehouse environment grew to include thousands of end users, the DMS staff found themselves bombarded with requests to improve BI query performance. BI users were frustrated by slow running reports. Faced with ever growing data volumes and increasingly complex end user queries, the DMS team struggled to meet the needs of their end user community without adding staff.

Further complicating matters was the fact that their BI application and existing database administration (DBA) tools did not provide the information needed to improve the system. Attempts to optimize queries involved a manual and time-intensive process that was prone to unreliable feedback from end users. Additionally, a dedicated resource was required to recreate and resolve the query.
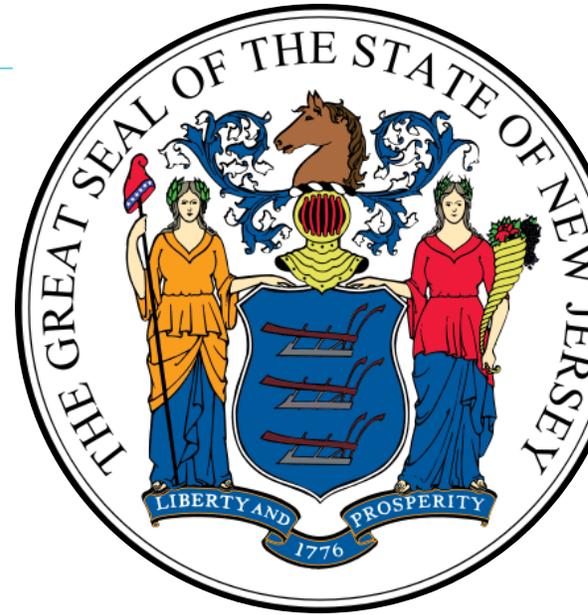
The Solution

The State of New Jersey selected Attunity Visibility to provide both BI and data warehouse managers with a single tool to boost query times. With Attunity Visibility, the DMS group isolated and resolved query performance issues. DMS gained detailed insight into data and query usage that was previously unavailable.

The technology did not require intrusive agents or servers. It also did not add any performance overhead—both important requirements from the customer. With Attunity Visibility, the DMS team quickly learned how BI application users interacted with the data warehouse.

Knowing where and how data was being used allowed the DMS team to pinpoint performance issues. And, Attunity Visibility's query analysis reports were served up via their existing BI application, eliminating the need for the team to learn a new BI tool.

With Attunity Visibility, the DMS team no longer depends on unreliable user feedback to resolve slow running reports. Rather than spend the time and resources required to re-create every issue, they now rely on usage analysis from Attunity Visibility to get to the heart of the performance problem. Data warehouse managers can better respond to performance issues by optimizing the data to match usage patterns. Today, the State of New Jersey can execute more projects and provide better service with existing staff and resources.

Key Capabilities

Attunity Visibility provides intelligence to identify heavy processing, transformations and dormant data – all ideal candidates for Hadoop - and in-depth detail on how data is used and who is accessing it. This info provides insight to help enable higher operational efficiency and improved system performance across the enterprise.

Key Features

- Monitors all application activity on databases to assess resource consuming ETL (Extract/Transform/Load) and analytical workloads
- Identifies resources consuming ETL transformations that are candidates for offloading
- Discovers history of data used from large tables by analyzing calendar dates used in queries
- Analyzes application activity and data usage by business units to chargeback and justify investments
- Integrates with leading Business Intelligence (BI) applications to correlate application users and report activity with usage

attunity.com
@attunity