

Twister Data Server from SMSi

The Elusive Single-Entry Federated Query Realized

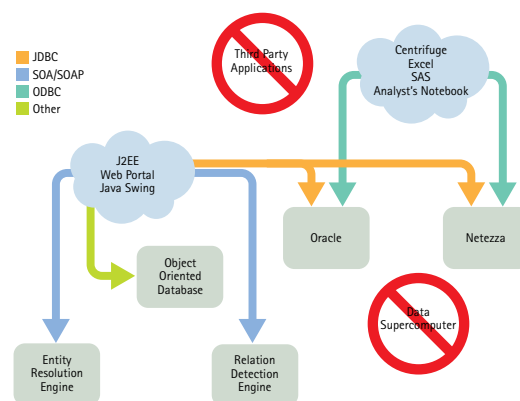
A leading organization was unable to perform federated queries on all of its datasets from a single entry. This issue arose because the organization's multiple datasets contained different formats. Also, some of the organization's systems that posted the datasets did not support standard interfaces.

The inability to query its multiple datasets with a single entry greatly reduced the organization's efficiency, problem solving capability, and ultimately their profitability.

Accessing All of the Data at Once

The problem stemmed from the format and quality of the organization's existing data. Of the six operational data repositories, each was developed in a unique format and with different protocols. In addition, four of the datasets did not support ODBC or JDBC interfaces, making it impossible to use the customer's preferred analysis and visualization tools.

In short, the existing environment was a mixture of applications that didn't work well together:

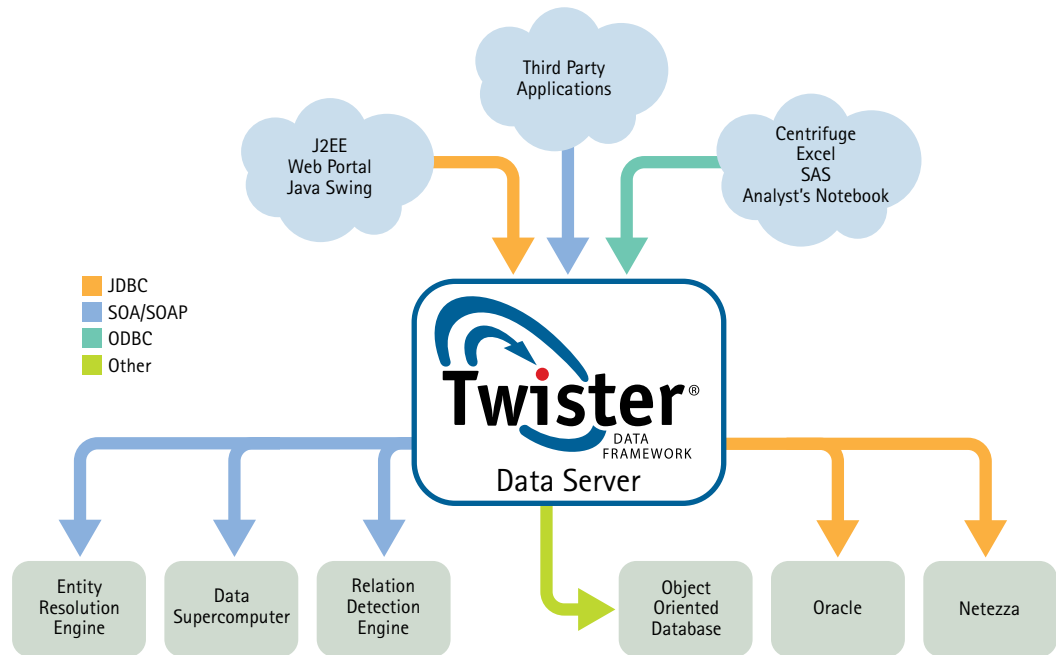


Federated Queries on All Datasets Within Days

This organization required consultants who understood the complexities inherent in both structured and unstructured data. They also required Twister Data Server's ability to connect backend data sources without depending upon fragile "glue" code.

Security-cleared SMSi consultants worked onsite with this customer to outline a plan of action that employed Twister Data Server to link the datasets together with the analytical tools the customer wanted to use. Priorities were established, and within a few days SMSi had begun testing the system.

SMSi consultants found that JDBC and Web services were able to connect to only three of the datasets. The remaining three datasets required customized connections, which only took a few days to create using Twister Data Server's extensible API.



Savings to the Client

Twister Data Server's flexibility, reusability, and speed to solution produced a substantial cost savings to this organization in programming costs and in downtime.

The connections that SMSi consultants created to access the client's datasets are reusable by other groups within the organization that have back-end data sources with similar formatting issues. Also, Twister Data Server's extensible API makes it possible for SMSi consultants to create new connections to legacy data quickly.

Results that Matter

The results SMSi consultants and the Twister Data Server obtained for this client:

- Correlated views of all back-end data sources.
- Ability to perform single-entry federated queries on all datasets.
- Reusable components to share within the organization.
- Lifetime onsite support from security-cleared consultants who understand data.

High Performance at a Reasonable Cost

- Rapid implementation: Initial query testing in one week.
- Flexible: Tool selection based on merit for best-of-breed solutions.
- Low O&M cost: All components are reusable. As such, there is no redevelopment cost for implementing new tools or data sets.
- Scalable: Twister Data Server usually runs on two or more processors, depending on the analysis load.
- Performance: Twister Data Server introduces virtually no latency.