



# The Computerworld Honors Program

Honoring those who use Information Technology to benefit society

## Final Copy of Case Study

**Status:**

Laureate

**Year:**

2013

**Organization Name:**

MemSQL

**Organization URL:**

[www.memsql.com](http://www.memsql.com)

**Project Name:**

MemSQL Distributed

**Please select the category in which you are submitting your entry**

Emerging Technology

**Please provide an overview of the nominated project. Describe the problem it was intended to solve, the technology or approach used, how it was innovative and any technical or other challenges that had to be overcome for successful implementation and adoption. (In 300 words or less.)**

MemSQL was integrated into a real-time bond data application that must be accessed by more than 25,000 financial advisors nationally. The development team had to balance the high-velocity data streaming into the system as well as a high number of concurrent queries issued to the system. By elevating data into memory, the development team realized that it could satisfy both requirements and still use a relational database with MemSQL.



**When was this project implemented or last updated? (Please specify month and year.) Has it incorporated new technologies and/or other innovations since its initial deployment? (In 300 words or less.)**

The project was implemented in Q4 of 2012 and is now entering production.

**Is implementation of the project complete? If no, please describe the project's phases and which phase the project is now in. (In 300 words or less.)**

The project is due to enter production this quarter.

**Please provide at least one example of how the technology project has benefited a specific individual or organization. Feel free to include personal quotes from individuals who have directly benefited from the work. (In 300 words or less.)**

The development team saved a significant amount of time using SQL instead of using a NoSQL store. In addition to accelerating development, the team was also able to reduce TCO by using fewer machines with MemSQL.

**Would this project be considered an innovation, a best practice or other notable advancement that could be adopted by or tailored for other organizations and uses? If yes, please describe that here. (In 300 words or less.)**

This project would certainly be an innovation in advancing Big Data solutions into other organizations.