Consulting & Systems Integration Project Abstract

A VLDB Design and Interface

Our Customer's Problem:

In order to access and query tick data, our customer's employees had to learn a proprietary querying language and use a command line interface. In addition, the data they wanted to query was not always readily available.

Why This Was A Problem:

Our customer couldn't get the raw data they needed in a timely way. Without the data, they couldn't do their core business (which is data analysis). Additional burdens our customer faced were the training time required to teach the querying language, and the inherent difficulties of command line interfaces.

Our Solution:

Our customer needed a database to store large amounts of tick data connected to a feed (i.e., the database had to process and store 2300+ records per second, and be able to store data corresponding to more than a million different symbols). Then the customer needed to query the data easily with the results shown in a familiar paradigm (Open, High, Low, Close).

InferData developers worked with our customer to solve the technical problems and create the database, and then designed an elegant interface that eliminated the need for knowing the querying language. Users simply choose the data they want plotted from a list of indicators (time series). The charting tool supports panning, resizing, point selection, zooming/magnification, tracking and printing.

Results:

Our customer invests less time retrieving the data, and more time on their core business. Training time for new users is now trivial.