

Algorithmics

Building a Unicode Capable ODBC Driver for Algo Financial Modeler® to Enable Global Results Access Using ODBC Client Applications

Product

SimbaEngine ODBC SDK

Customer



Key Customer Requirements

- Custom ODBC Driver enabling connectivity to its proprietary Algo Financial Modeler results database
- Unicode compliance
- Support for ODBC 3.52 data standard
- 64-bit compatibility for future developments

About SimbaEngine ODBC SDK

SimbaEngine ODBC SDK is the easiest and quickest way to enable ODBC, JDBC, OLE DB and ADO.NET data access to both SQL and non-SQL data sources. Using the SDK, users are able to build an ODBC driver, JDBC driver, OLE DB driver and ADO.NET provider for their application or database in as little as five days. SimbaEngine ODBC SDK includes all standards-based data interfaces and Simba's SQL Engine in one package at no extra cost. Learn more at www.simba.com/odbc-sdk.htm.

About Simba

Simba Technologies Inc. is the recognized world leader in standards-based data access products and solutions. Simba works with leading companies globally to deliver first class data connectivity solutions. Simba is an industry pioneer in relational and multi-dimensional data connectivity, as well as MDX query language technology. For more information, visit www.simba.com.

“*Simba's ODBC SDK provided all the components we needed to build our custom ODBC driver. Simba's expertise and assistance was invaluable, helping us to deploy our driver in record time. Simba continues to support us with new features and functionality to ensure our data driver stays current with industry advancements.*”

- Director, Algo Financial Modeler Development, Algorithmics

Algorithmics (www.algorithmics.com) is the world leader in enterprise risk solutions, dedicated to helping financial institutions understand and manage risk. Algorithmics' innovative software, content and advisory services provide a consistent, enterprise-wide view of risk management to help firms make better business decisions and increase shareholder value. Algo Financial Modeler (formerly known as VIPitech) is a pioneering system designed to push the boundaries of financial modeling for actuarial analysis.

Algorithmics sought to add a custom ODBC driver to its proprietary Algo Financial Modeler results database. With the addition of the ODBC driver, Algorithmics' global team of consultants and its customers would be able to access data directly from any ODBC client application.

In order to provide the ODBC access to its proprietary results database, Algorithmics first needed to find a data connectivity partner that would be able to supply the necessary ODBC and SQL Engine technology. Algorithmics' Algo Financial Modeler team had a number of key requirements for its ODBC data connectivity solution. It needed a Unicode ODBC 3.52 driver to support the worldwide use and sale of its system, as well as 64-bit compatibility for future developments. It sought a flexible, royalty-free licensing model for the ODBC and SQL Engine technology, and it was looking for a partner that could potentially provide future data connectivity expertise and technology to support additional data standards.

The Algo Financial Modeler team considered other SDK alternatives, but settled on Simba's ODBC SDK because it felt the SDK offered the best technology in the most user friendly package, combined with flexible royalty-free licensing options. Simba's SimbaEngine ODBC SDK is the leading toolkit for building ODBC drivers, JDBC drivers, OLE DB drivers and ADO.NET data providers for SQL-enabled and non-SQL data sources. It includes all standards-based data interfaces, as well as a complete SQL Engine within the toolkit.

SimbaEngine ODBC SDK's included SQL Engine was needed to enable ODBC connectivity for Algorithmics' proprietary Algo Financial Modeler results database. The ODBC SDK made implementing a custom ODBC driver quick and easy. Algorithmics could then easily add additional data interfaces like JDBC, OLE DB or ADO.NET, if desired later, at no extra cost.

Simba assisted Algorithmics in implementing the code required to connect SimbaEngine ODBC SDK's SQL Engine and standards-based ODBC data interface to the Algo Financial Modeler results API. When completed, Algorithmics had a fully Unicode-compliant, ODBC 3.52 data driver. The ODBC driver provided advanced support for functionality like joins, aggregations, sub queries, scalar queries and correlated sub queries. Algorithmics' global consultants and customers could now easily connect ODBC client applications for queries and analysis.