

SimbaEngine SDK



Standards-based Data Connectivity

Open Your Data to the World of Reporting and Analysis

SimbaEngine SDK is a software development kit (SDK) that enables you to build an ODBC or JDBC Driver, or OLE DB or ADO.NET Data Provider for data access to SQL-enabled or non-SQL proprietary data sources. By itself, SimbaEngine SDK is not a data driver; it is a set of components for building a high-performance data connectivity solution that allows knowledge workers to access, use, distribute and act on enterprise data using today's most popular front-end reporting and analysis tools.

Unlike other toolkits on the market, SimbaEngine SDK provides a flexible, object-oriented framework from which you can develop a quality ODBC or JDBC Driver, or OLE DB or ADO.NET Data Provider. SimbaEngine SDK is the best choice, if performance, extensibility and compatibility are important to you.

SimbaEngine SDK's included high-performance SQL engine can provide your non-relational data store with full SQL capabilities. If you have SQL-enabled data, SimbaEngine SDK provides full ODBC 3.52 and JDBC 3.0 compatibility without the overhead of another SQL engine. All you have to do is implement a few basic functions to open the whole world of open connectivity tools to your end-users.

Highlights

Extensibility	Build a simple Data Driver or ADO.NET Data Provider and then add features like client/server, or advanced functionality whenever you want.
Performance	SimbaEngine SDK's robust SQL engine and advanced functionality – such as Collaborative Query Execution and Pass-down filters, joins and aggregations, and high-performance Client/Server network protocol – result in superior performance.
Compatibility	Simba takes care of your Data Driver or ADO.NET Data Provider's compatibility with the latest platforms, data access standards, and desktop reporting and analysis tools.
32- and 64-bit Support	SimbaEngine ODBC SDK natively supports both 32-bit and 64-bit platforms. In addition, 32-bit and 64-bit platforms will interoperate across the client/server connection.
Unicode	Take advantage of designed-in support for Unicode to provide access to your data store anywhere in the global marketplace.
Template Development Approach	Get a prototype Data Driver or ADO.NET Data Provider up and running in five days with our easy-to-use Quickstart Template and 5-day development guides.
Leverage Simba's Test Suite	With over 10,000 unit tests written, you can be sure that your data driver will correctly conform to ODBC 3.52 and JDBC 3.0.
Comprehensive Documentation	Receive a full suite of documentation, including a developer's guide, technical reference materials, and electronic files in PDF and HTML format.

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Features

- ODBC 3.52 support
- JDBC 3.0 client support
- High-performance, scalable SQL engine
- Collaborative Query Execution
- Advanced pass-down functionality
- Support for dynamic schema
- Full Unicode support for data, metadata and API parameters
- Native support for 32-bit and 64-bit operating systems
- Tutorial-style and technical reference documentation
- Codebase and Ultra-light driver samples/templates and guide
- Responsive customer support

Specifications

SimbaEngine SDK supports the following platforms and tools:

Stand-alone Data Driver and Server Platforms	All SimbaEngine SDK components support 32- and 64-bit versions of Windows, Linux, Solaris, AIX, HP-UX, as well as Mac OS.
Client Platforms	SimbaClient for ODBC supports the 32- and 64-bit versions of Windows, UNIX and Linux. SimbaClient for JDBC supports all client operating systems running a Java Virtual Machine (JVM).
Development Software	Windows: Microsoft Visual Studio.NET 2010/2008/2005. ODBC.NET Provider required for ADO.NET functionality. OLE DB / ODBC Bridge required for OLE DB functionality. UNIX: For most platforms, the native compiler is supported. Linux: GNU Compiler environment.
Desktop Tool Support	ODBC capable applications, including IBM Cognos, Microsoft Office, MicroStrategy and SAP Business Objects Crystal Reports, etc.

Summary

With our easy-to-use SimbaEngine SDK, you can build a prototype read-only data driver in a few days and have a production quality read-write data driver ready to ship soon after. Your data driver can be used in local desktop or client/server environments. When you license SimbaEngine SDK, you get all client and server components. You can develop your data driver on Windows, UNIX or Linux.

About Simba Technologies Inc.

Simba Technologies Inc. is the recognized world leader in standards-based data access products and solutions. We work with the world's leading software companies to deliver first class data connectivity solutions.

Simba is a pioneer in ODBC, MDX, OLE DB for OLAP (ODBO) and XML for Analysis (XMLA). Since 1991, we've developed advanced data access solutions for thousands of end users. Today, more than half of all MDX providers have been built with Simba technology, and through a partnership with Microsoft, Simba's SQL technology has been installed on more than 30 million desktops worldwide.