SimbaEngine® X

ODBC & JDBC Driver Development Environment

Reduce time-to-market, risks, and development cost for your custom ODBC, JDBC, ADO.NET, and OLEDB drivers

Simba Technologies uses SimbaEngine X SDK to build all of its drivers, and now you can leverage SimbaEngine X to develop your custom ODBC/JDBC driver for any SQL-enabled or NoSQL data source while reducing the cost, complexity, risks and time-to-market compared to developing driver from scratch. SimbaEngine X increases developers productivity and allows to build a custom driver in as little as five days.

SimbaEngine X SDK is de facto standard for ODBC, OLE DB, ADO.NET, and JDBC driver development. SimbaEngine X based drivers are trusted by the major Hadoop distributions, leading NoSQL data source and BI vendors, such as Alteryx®, Altiscale®, Cloudera®, Couchbase®, Databricks®, Datastax®, Google®, Hortonworks®, MapR®, Microsoft®, Oracle®, Qubole®, SAP®, Splunk®, Tableau®, and Teradata®.

CQE, Simba's unique **Collaborative Query Execution** engine, only available through SimbaEngine, accelerates the building and deployment of SQL-compliant custom ODBC and JDBC drivers that leverage the full power of software companies' unique data engines, advances product release schedules and gets products to market sooner with faster data connectivity.

Benefit Highlights

Extensibility	Build a simple data driver or provider, and then add features like client/server or advanced functionality whenever you want.
Performance	SimbaEngine X's robust SQL Engine and advanced functionality – such as Collaborative Query Execution and pass-down filters, joins, aggregations, sorts, order bys, distincts, and projections, and high-performance Client/Server network protocol – result in superior performance.
Compatibility	Simba takes care of your data driver or provider's compatibility with the latest platforms, data access standards, and desktop reporting and analysis tools.
32 and 64-bit Support	SimbaEngine X 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 built-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 provider up and running in five days with our easy-to-use sample driver templates and 5-day development guides.
Leverage Simba's Test Suite	Simba's engineers perform millions of tests for each release using our extended test, so you can be sure of the quality of your data driver.
Comprehensive Documentation	Receive a full suite of documentation, including a developer's guide, QuickStart guides, and technical reference materials.

Feature Highlights

- New pure Java SQL Engine
- Numerical precision library enhancements
- Sample driver improvements on Mac OS X
- JDBC 4.0, 4.1 and 4.2 support
- ODBC 3.8 support, including asynchronous execution
- ADO.NET support
- OLE DB support

- Support for Xcode 7.2, Visual Studio 2015, and Windows 10
- Performance improvements in the C++ SQL Engine
- SimbaClient and SimbaServer performance and configuration improvements
- Tutorial-style and technical reference documentation
- Driver manager auto-configuration

Product Specifications

Stand-alone Data Driver and Server Platforms
All SimbaEngine X components support 32 and 64-bit versions of Windows, Linux, Solaris, AIX, HPUX, as well as Mac OS X and iOS.

Client Platforms
SimbaClient for ODBC supports the 32 and 64-bit versions of Windows, UNIX, Linux, Mac OS X, AIX, HPUX, Solaris
SimbaClient for JDBC supports all client operating systems running a Java Virtual Machine (JVM) 1.6 or above.

Development Software
Windows: Microsoft Visual Studio 2013/2015. • **Linux:** GNU Compiler environment. • **Mac:** Xcode Clang 5.x/6.x/7.x • **UNIX:** For all platforms, the native compiler is supported.

BI Tool Support
Any ODBC- or JDBC-capable application, including Excel, Microsoft Power BI, MicroStrategy, SAP Cloud for Analytics, QlikView, Tableau.

Summary

With our easy-to-use SimbaEngine X, 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 desktop or client/server environments. When you license SimbaEngine X, you get all client and server components. You can develop your data driver on Windows, OS X, UNIX or Linux.

About Simba
Simba Technologies (www.simba.com, @SimbaTech) is the recognized world leader in standards-based data access and analytics products and solutions for both relational and multi-dimensional data sources. Simba provides data connectivity solutions to many of the world's leading companies on various platforms, including Windows, Mac, UNIX, Linux and many mobile device platforms. Simba's data connectivity products support multiple interfaces, including ODBC, JDBC, OLE DB, OLE DB for OLAP (ODBO), XML for Analysis (XMLA), ADO, ADO.NET, ADOMD, and ADOMD.NET.