

Simba Technologies is the recognized world leader in standards-based data-access and analytics connectivity solutions for relational, non-relational, and multi-dimensional data sources.

At a Glance

Simba Technologies develops and licenses standard-based drivers and driver development tools for relational, non-relational and multi-dimensional data sources.

Simba data connectivity solutions support ODBC, JDBC, MDX, OLE DB, OLAP, ODBO, XMLA, and ADO.NET on all major platforms.

Simba ODBC & JDBC drivers are the de facto connectivity standard for major Hadoop distributions and leading BI vendors.

Simba's products are used by millions of users and trusted by the leading database and BI tools vendors like Alteryx, Altiscale, Cloudera, Couchbase, Databricks, DataStax, Google, Hortonworks, MapR, Microsoft, Oracle, Qubole, SAP, Splunk, Tableau, and Teradata.

Drivers developed using SimbaEngine SDK qualify for the driver certification program to ensure their compatibility with Tableau.

In 1991, Simba partnered with Microsoft to develop the original ODBC specification and created the first ODBC driver for Windows. Over the next 25 years, Simba's ODBC and JDBC drivers were shipped with products from companies like Microsoft, Oracle, SAP, Teradata, Google, Tableau and many others.

In 2012, Simba moved beyond relational databases and created the first commercial ODBC driver for the Hadoop platform, allowing analysts to use familiar SQL-based BI tools while working with non-relational data sources. In the following years, Simba's connectivity became the de facto industry standard for the Big Data market, as the largest Hadoop vendors, like Cloudera, Hortonworks, MapR, and Amazon EMR, all licensed Simba's ODBC and JDBC drivers as the native drivers shipped with their distributions. Many vendors of NoSQL data sources outside of Hadoop ecosystem, like Couchbase, Databricks, and DataStax, also standardized on Simba's drivers.

Simba's dominant position in the data source market segment led to the steady adoption of its drivers in the BI market segment. Tableau, Microsoft Power BI, SAP Lumira, MicroStrategy, TIBCO and Alteryx all adopted Simba connectivity solutions. When BI companies select connectors for distribution with their application, Simba is a natural choice, because Simba's drivers are trusted by the data source vendors and guaranteed to be compatible with the latest versions of the data source. Built on the common foundation of the SimbaEngine SDK, they provide consistent, standards-compliant interfaces, with predictable behavior across a wide range of data sources and operating systems.

Given increasing demand from BI users to access SaaS line-of-business applications as data sources, Simba also provides customized drivers for accessing the application data through web APIs.

In addition to licensing a wide choice of drivers, Simba offers a driver software development kit (SDK). SimbaEngine SDK allows companies to develop a custom ODBC or JDBC driver while reducing the cost, complexity and time-to-market compared to developing a driver from scratch. By utilizing SimbaEngine's modular SQL Engine, implementation of the latest ODBC/JDBC specification and the client/server protocol, customers can build a custom driver in as little as five days.

Simba also develops and licenses the SimbaProvider OLAP SDK, which dramatically reduces the cost and complexity of developing an MDX connector to multi-dimensional and relational data sources with ODBO and XMLA interfaces.

Simba's reputation as a relational and multi-dimensional connectivity pioneer has made us the partner of choice for innovative data connectivity solutions. Please contact us to discuss your connectivity needs.

Simba Drivers and Driver Development Tools

SimbaEngine SDK

Modular, easy to use, in-memory SQL engine with an implementation of standard data access specifications, and a high-performance client/server protocol. All Simba ODBC and JDBC drivers are built using SimbaEngine SDK.

SimbaEngine can intelligently pass down the features natively supported by the data source while transparently adding missing functionality.

SimbaEngine provides an implementation of the latest ODBC, JDBC, ADO.NET, and OLE DB specifications, native Unicode capability, and the industry's widest support for 32-bit and 64-bit platforms (including OS X).

Comes with developer resources and sample code required to build a driver in five days. Certification Program validates interoperability of your driver with Tableau.

Flagship products from companies like Microsoft, Cloudera, Hortonworks, MapR, Teradata, and SAP, license and embed SimbaEngine-based connectivity.

SimbaProvider OLAP SDK

Easy to use, in-memory MDX Engine with ODBO and XMLA interfaces. SimbaProvider offers real-time OLAP cube interface, with no pre-aggregations or cube processing required. Fully compliant with MDX 2005 standard specification.

Designed for ISVs who need to add an ODBO or XMLA interface to their multi-dimensional data or OLAP server. Compatible with many popular BI clients including Microsoft Excel, SAP BusinessObjects Analysis, Edition for OLAP.

The De Facto Standard

Simba ODBC & JDBC drivers for Hive, Spark, Impala and Drill are de facto standard drivers licensed by all major Hadoop distributions and leading BI vendors.

Hive



Industry-first commercial drivers for Hive are licensed by major Hadoop distributions: Cloudera, Hortonworks, MapR, Intel, Microsoft and DataStax. Simba's Hive ODBC & JDBC drivers efficiently translate ANSI SQL into the equivalent HiveQL.

Spark



Databricks, the creators of Spark, selected Simba to provide the official ODBC and JDBC drivers. Simba's Spark drivers support all major on-premises and cloud Spark distributions.

Impala



Simba ODBC and JDBC Drivers for Impala are the official Cloudera-endorsed ODBC and JDBC interfaces for Impala.

Drill



Simba-developed ODBC Drill connector ships as official driver of the MapR Hadoop distribution.

HBase



The HBase ODBC driver translates application' ANSI SQL queries into calls to HBase's REST API.

Phoenix



Coming soon. If you are interested in participating in our beta program, please contact us.

Google BigQuery



Simba ODBC driver for Google BigQuery translates ANSI SQL to BigQuerySQL with support for pass-through queries.

Cassandra



Simba ODBC & JDBC drivers are official DataStax drivers for Cassandra. Drivers convert ANSI SQL to CQL and support Collaborative Query Execution (CQE) for improved query performance.

Couchbase



Simba ODBC & JDBC drivers are official vendor-endorsed drivers for Couchbase. Drivers translate ANSI SQL into N1QL and provide automatic schema discovery and customization.

DynamoDB



Simba ODBC & JDBC drivers for DynamoDB provide relational access to NoSQL data. Automatic renormalization preserves the nested document structure.

Redshift



Simba ODBC & JDBC drivers for Redshift comply with the latest standard specifications and significantly outperform open source alternatives.

MongoDB



Simba ODBC & JDBC drivers for MongoDB feature advanced schema re-normalization, performance improvements and Schema Editor for customizing auto-discovered schema.

Salesforce



Simba ODBC & JDBC drivers for Salesforce provide an efficient mapping of ANSI SQL to Salesforce API calls while extending it with aggregation and join capabilities.

More drivers are available on our website.

Simba Technologies is part of the Magnitude Software family and the industry's choice for standards-based data access and analytics solutions. Our reputation as a relational and multi-dimensional / MDX connectivity pioneer has made us the partner of choice for an innovative and complete ODBC SDK, JDBC SDK, OLE DB for OLAP (ODBO) SDK, XML for Analysis (XMLA) SDK, and other industry leading data connectivity. **For more information, please contact Simba Technologies at www.simba.com**