

SimbaEngine SDK

Simba Client/Server – A Remote Access Component for Databases



Remote ODBC, JDBC and ADO.NET database access for SQL and non-SQL databases

Simba Client/Server is part of SimbaEngine SDK. It adds remote access to local SimbaODBC and Simba SQL Engine database access solutions without additional coding. All ODBC, JDBC and ADO.NET clients are included.

Features

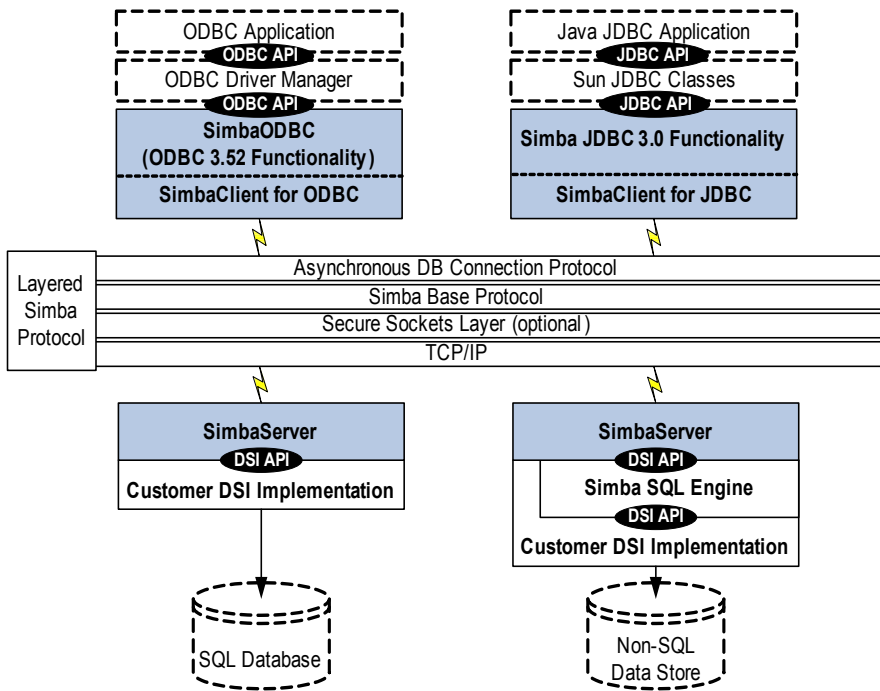
- Adds remote access to SQL-capable and non-SQL database solutions built with SimbaODBC and Simba SQL Engine.
- The clients work with common reporting tools like Microsoft Excel, SAP BusinessObjects Crystal Reports and MicroStrategy.
- Easy to use. Requires no additional coding.
- High-performance, database-agnostic, layered network protocol.
- Built-in SSL security for commands and result set data.
- ODBC, JDBC and ADO.NET clients included.
- Enables flexible deployment.
- Standard Simba Data Store Interface (DSI) API – works seamlessly with Simba SQL Engine and SimbaODBC DSI implementations.

Description

Simba Client/Server is a complete solution for remote access to SQL and non-SQL databases. You can add it to local database access solutions built with SimbaODBC and Simba SQL Engine with no additional coding. With its choice of client interface, high-performance network protocol and robust, high-volume server, Simba Client/Server can connect your customers to their remote data with minimal effort. Security is built in with support for Secure Sockets Layer (SSL) connections. With mix and match support for multiple platforms and 32- and 64-bit architectures, Simba Client/Server greatly increases the deployment options for you to deliver data to end users where and how they want to access it.

SimbaServer can handle thousands of simultaneous connections from any mix of clients. Access to the underlying database is optimized through the server with a sophisticated threading model that prevents the server process from stalling. Server throughput and efficiency is always maintained. The asynchronous network protocol and multi-threaded clients work with the server to maintain a high total system throughput. The network protocol is designed to use a minimum of network overhead, so inefficient applications do not translate into inefficient client/server operations. This is especially important when you are using WAN connections or the internet.

Simba Client/Server is designed to work seamlessly with the other SimbaEngine SDK components, so it is easy to deliver the deployment that works best for you and



Block Diagram: Simba Client/Server Architecture

your customers. Simba Client/Server will link to the same Data Store Interface (DSI) implementation you create for SimbaODBC. This means that you can develop access to your database locally before introducing the client/server components to your system. This lowers development costs and risks, speeds time to market, and eases delivering multiple deployment options to end users. Simba Client/Server adds flexibility and functionality to your data access solution at a minimal cost.

Specifications

- Database-agnostic base protocol running on TCP/IP provides long-haul reliability.
- High-performance, asynchronous database connection layer.
- Multi-threading clients and server for performance and reliability.
- End-to-end security with built-in SSL.
- Server able to handle thousands of simultaneous connections.
- Clients able to handle dozens of simultaneous connections.
- All components available in 32-bit and 64-bit versions for Windows, Linux, Solaris, Mac, HP-UX and AIX.
- Included ODBC client driver – ODBC 3.52 compliant – and JDBC client driver – JDBC 3.0 compliant.
- OLE DB client access available via bridge.
- No limit to the size of returned result set data.
- Support for ANSI and Unicode UTF-8, -16 and -32 end-to-end for both data and metadata.