

# OpenAccess SDK

DATA SHEET

## HIGHLIGHTS

- ✓ High level of compliance to specifications
- ✓ ANSI SQL-92 Compliant
- ✓ Optimized query execution
- ✓ Support for interfacing data sources using C/C++, Java, or .NET
- ✓ Broad platform support for access to data sources on Windows, Linux, and UNIX
- ✓ Customizable finished driver
- ✓ Consume REST data

## Progress® DataDirect® OpenAccess™ SDK

Progress DataDirect OpenAccess SDK is the industry's leading custom driver development kit that enables custom drivers for any data source to be developed within weeks. Whether your data source is a proprietary file format or a proprietary API, OpenAccess SDK can be used to make it SQL-accessible from ODBC, JDBC, OLE DB, or ADO.NET compliant applications. OpenAccess built drivers are reliable, scalable, and portable. Over 100 independent software vendors (ISVs) and corporations have used OpenAccess SDK to create custom drivers for their applications. Opening up your application's data through open standards dramatically improves the accessibility to it from widely used reporting, analysis, and development tools.

## Reduce Time to Implement a Custom Driver with SQL Support

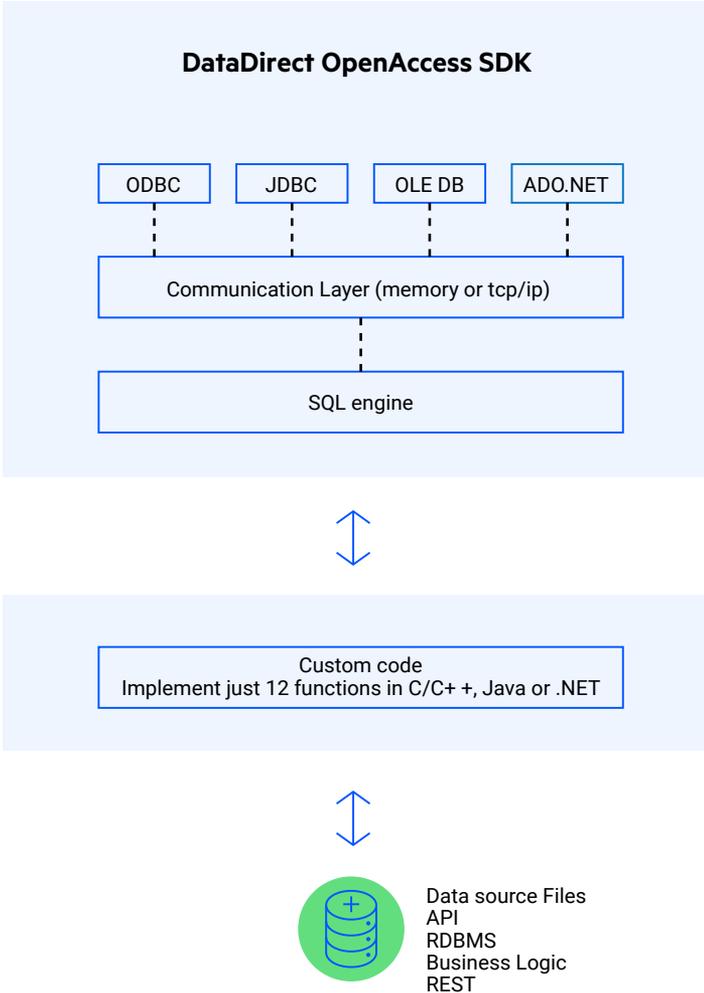
Up to 99% of the required code to implement a standards-based driver with SQL support is included in the SDK. All you do is implement 12 functions that are data source-specific and take care of reading and writing data to your data source and exposing the schema. We have taken care of implementing and qualifying all the code for the ODBC, JDBC, OLE DB, ADO.NET APIs, for the SQL processing and for the client/server networking framework.

The finished driver is guaranteed to be compliant to the driver API specifications and compatible with hundreds of applications written to these specifications.

# Provides Unparalleled Flexibility and Universal Access to Your Data

OpenAccess SDK runs on all popular platforms: Windows, Linux, and UNIX. It supports 32-bit and 64-bit operating systems. The data-source-specific code can be implemented in C/C++, Java, or .NET. Both single-tier and two-tier architectures are supported. The two-tier architecture uses the OpenAccess server component and wire-level protocol to implement an efficient client/server architecture in which the server can accept connections from the OpenAccess ODBC, JDBC, OLE DB, or ADO.NET clients. If your data source has a remote API, then the single-tier architecture lets you take advantage of it. OpenAccess supports building ODBC, OLE DB, JDBC, and ADO.NET drivers—with no need to use third-party bridges. The data-source-specific code is independent of the driver API being implemented.

## OpenAccess Solution Components



## Features

- Well packaged as a kit and supported by trained engineers, the SDK has been used by over 100 organizations to build drivers for different types of data sources.
- OpenAccess ODBC, JDBC, OLE DB, and ADO.NET APIs offer a high level of compliance to their respective specifications. This guarantees compatibility with any application written to the driver specification and with applications that are compatible with SQL Server, Oracle, Sybase, DB2, and other data sources.
- The included SQL engine is SQL 92 compliant to allow queries with joins, unions, nested query, stored procedures, insert, update, delete, group by, order by, and other SQL syntax to be executed over any data source.
- Optimized query execution allows the work to execute the query to be done all by the OpenAccess SQL engine, or it can be selectively pushed down to the data source. Supports interfacing to data sources using C/C++, Java, or .NET. You can implement an ODBC driver by writing the custom portion in Java.
- Broad platform support allows the driver to support access to data sources on Windows, Linux, and UNIX with consistent functionality across all supported platforms.
- The finished driver can be completely customized or white-labeled with the driver name, error message pre-fix, error messages, and configuration dialog boxes.



Learn More:

[www.progress.com/connectors/custom-connector-sdk](http://www.progress.com/connectors/custom-connector-sdk)

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