



INTEGRATE NATIVE .NET OR JAVA APPLICATION DATA

INTRODUCTION

More and more ISVs are making or have made the transitions to Java and .NET platforms. This means the data contained within these applications is now accessible to code written for that platform. But most of the desktop applications used by business users run as native Windows or UNIX applications. There is a need to migrate certain application layers to the more secure and modern platforms like Java or .NET, but at the same time there is a demand from the users to maintain compatibility with the hundreds of applications used on desktops.

Using Progress® DataDirect® OpenAccess™ to implement a custom ODBC or JDBC driver with full SQL capability is the best solution to bridging the native and virtual machine worlds. Most of today’s reporting, analysis, and database applications have the ability to interface to data sources through ODBC or JDBC. With OpenAccess, you can leverage this widespread feature to enable your Java and/or .NET application data to be accessed—without requiring clients to change their applications.

Of course you can use COM interop, JNI, or other proprietary API techniques, but a custom ODBC or JDBC driver provides a bridge between the native applications and the .NET/Java platform using open and de facto standards, including SQL, ODBC and JDBC.

HOW TO QUICKLY IMPLEMENT A CUSTOM ODBC/JDBC DRIVER

Use of a custom ODBC or JDBC driver allows you to move your application to .NET or Java without sacrificing connectivity from the hundreds of native Windows and UNIX applications that are running on corporate desktops.

OpenAccess SDK provides the framework and pre-built components to quickly allow the implementation of a custom JDBC and ODBC driver over any data source that is accessible through C, C++, Java, or .NET [Figure 1].

OpenAccess supports .NET and Java by allowing the integration code for your data source to be written in a .NET language or in Java. This means you have direct access to your application data using the classes you have implemented in your environment. For

HIGHLIGHTS:

- ▶ Up and running in less than 3 weeks
- ▶ Implement standards-based SQL, ODBC and JDBC without changing customer applications

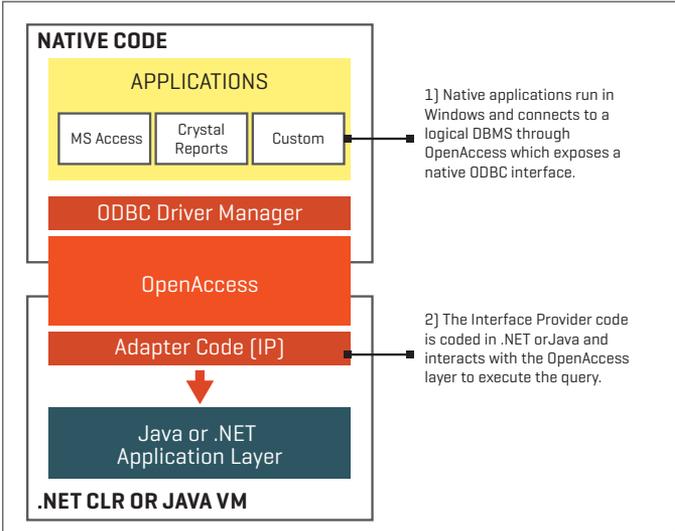


Figure 1: OpenAccess Based Solution

example, to ODBC-enable a Java data source, all you have to do is implement a Java class that exposes the OpenAccess IP interface and write the required glue in Java.

OpenAccess is supported on most of today's popular platforms and can be used to implement a desktop or a client/server solution. You can easily expose data from a Java application running on a Solaris box to a Windows application.

YOUR DEVELOPMENT EFFORT

1. Design and code the adapter code in either C, C++, Java, or .NET [14 days]
2. Do your QA [4 days]
3. Package up for distribution [2 days]

Expected time of completion: **20 man days**

CONCLUSION

Use of a custom ODBC or JDBC driver allows you to move your application to .NET or Java without sacrificing connectivity from the hundreds of native Windows and UNIX applications that are running on corporate desktops. OpenAccess provides 99% of what is required to implement a virtual SQL layer with support for ODBC and JDBC over your data source, and it allows you to code in the language of your choice.

PROGRESS SOFTWARE

Progress Software Corporation [NASDAQ: PRGS] is a global software company that simplifies the development, deployment and management of business applications on-premise or in the cloud, on any platform or device, to any data source, with enhanced performance, minimal IT complexity and low total cost of ownership.

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