

Enable BI, Reporting, and ETL Integration with Your App

Using OpenAccess for customized data connectivity

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Agenda

- Challenges of Data Integration & Connectivity
- Custom Connectivity with OpenAccess
- Case Studies
- Technical Details
- Demo

Challenges of Data Integration & Connectivity

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Challenges in Making My Application Data More Accessible



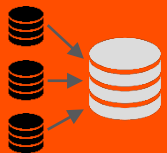
Current schema is too complex or terse for business analysts to understand



How do I connect my favorite BI or analytics tools to my clients' OpenEdge applications?



No universal access – need a unified, standardized access method



How can I easily integrate applications with ETL processes and data warehouses?



How do I expose multi-tenant data while preserving security and privacy?

The Answer Is SQL Connectivity to Your Application



Unlock the data in your
application through
standardized data access



Ubiquitously supported by virtually every 'data-centric' tool or application today



Preferred solution for **high-volume, high performance data integration**



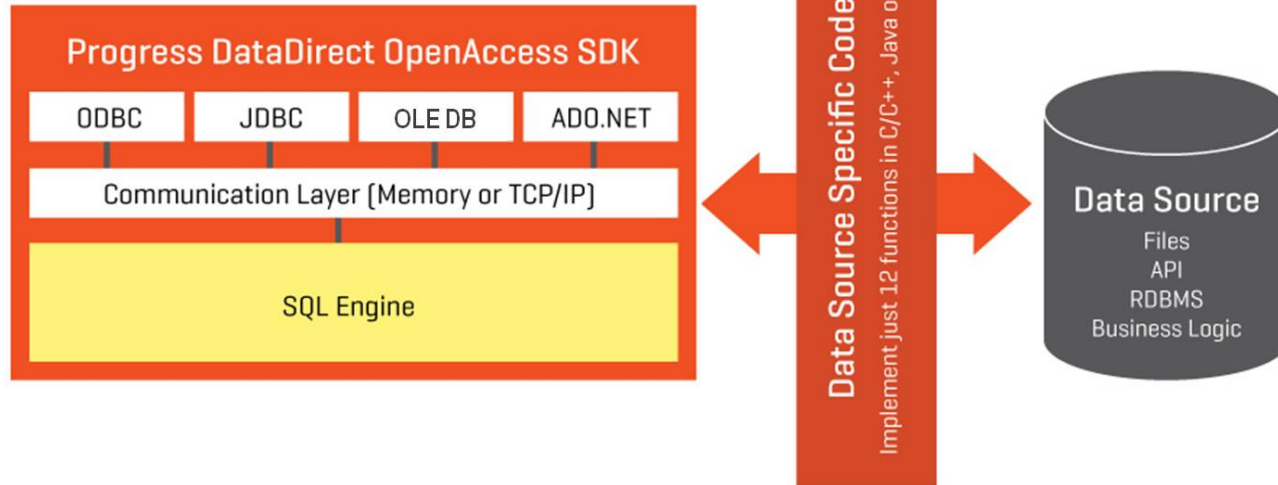
Opens your application data up to **more than just developers**

Custom Connectivity with OpenAccess

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Get to Market Faster with OpenAccess

 **PROGRESS** DataDirect OpenAccess



- Quick and easy implementation, translating into fast time-to-market
- Custom build data connectivity to your application data ... from anywhere
- OpenAccess exposes an application's data through standard APIs like ODBC and JDBC
- Data access is optimized by leveraging the OpenAccess SQL execution engine
- OpenAccess provides most of the code needed to open a database
- OpenAccess enables SQL access to any data source, including application data and proprietary files

Accelerate Business Analysis with Fast Return on Investments



- Connectivity through your business logic layer, not directly to your underlying database
- Expose your complex or multi-tenant data in a simple, secure and reliable way
- Standardized data integration with any data-centric application on the market today
- Expand the relevance of your OpenEdge application in its ecosystem

Customers Are Looking to SaaS Vendors to Solve Integration: OpenAccess Helps **You** Deliver a Solution



OpenAccess helps you **deliver more value to your end-users**,
expanding the relevance of **your applications within their ecosystem**

- Connectivity through your business logic layer, not directly to your underlying database
- Expose your complex or multi-tenant data in a simple, secure and reliable way
- Standardized data integration with any data-centric application on the market today

Case Studies



How do companies like **COINS** and **NetSuite** provide real-time BI access to OpenEdge applications, allow the applications to easily integrate with ETL processes, and standardize data integration?



Productivity Gains With OE BI Connectivity and Rapid Time-to-Market

■ Challenge

- Had a specialized ERP for construction industry jobs
- Wanted to integrate with Crystal Reports, Excel, and other analysis tools

■ Solution

- Built the Application Adaptor solution as ODBC interface using OpenAccess – in just a few weeks
- Application Adaptor allows you to connect these products to the “business logic” layer of the native COINS reporting solution

■ Benefit

- Rapid time-to-market, providing quick return on investments
- Massive productivity gains achieved using the Application Adaptor





Provides Application Data Connectivity Demanded By Customers

■ Challenge

- Provide customers of the company's hosted software with data connectivity from their applications to other applications in customers' businesses

■ Solution

- **Progress DataDirect OpenAccess** – for data connectivity supporting an extensive breadth of standards and implementation

■ Benefit

- **Helped deliver more value to their end-users, expanding the relevance of their applications within their ecosystems**
- Provides application data connectivity demanded by existing customers and by the market at large

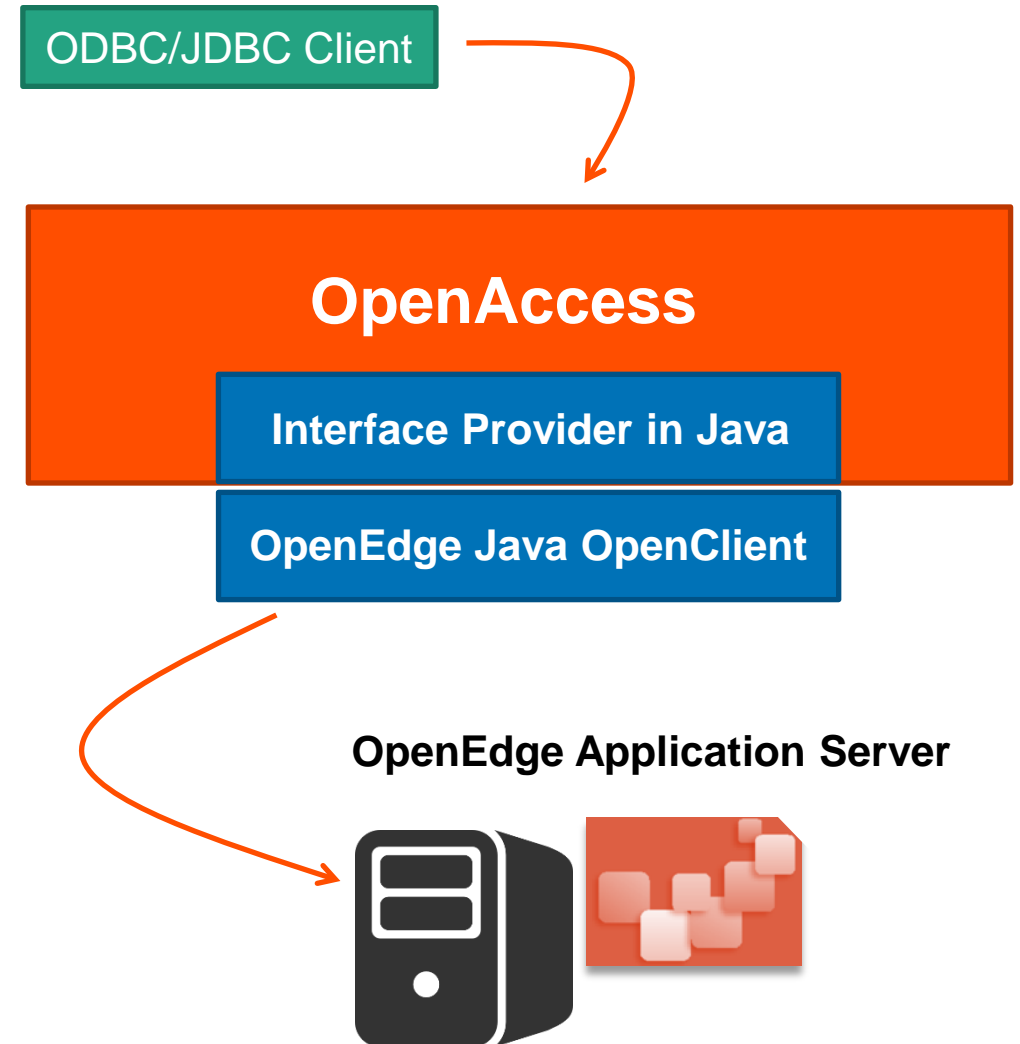


Technical Details

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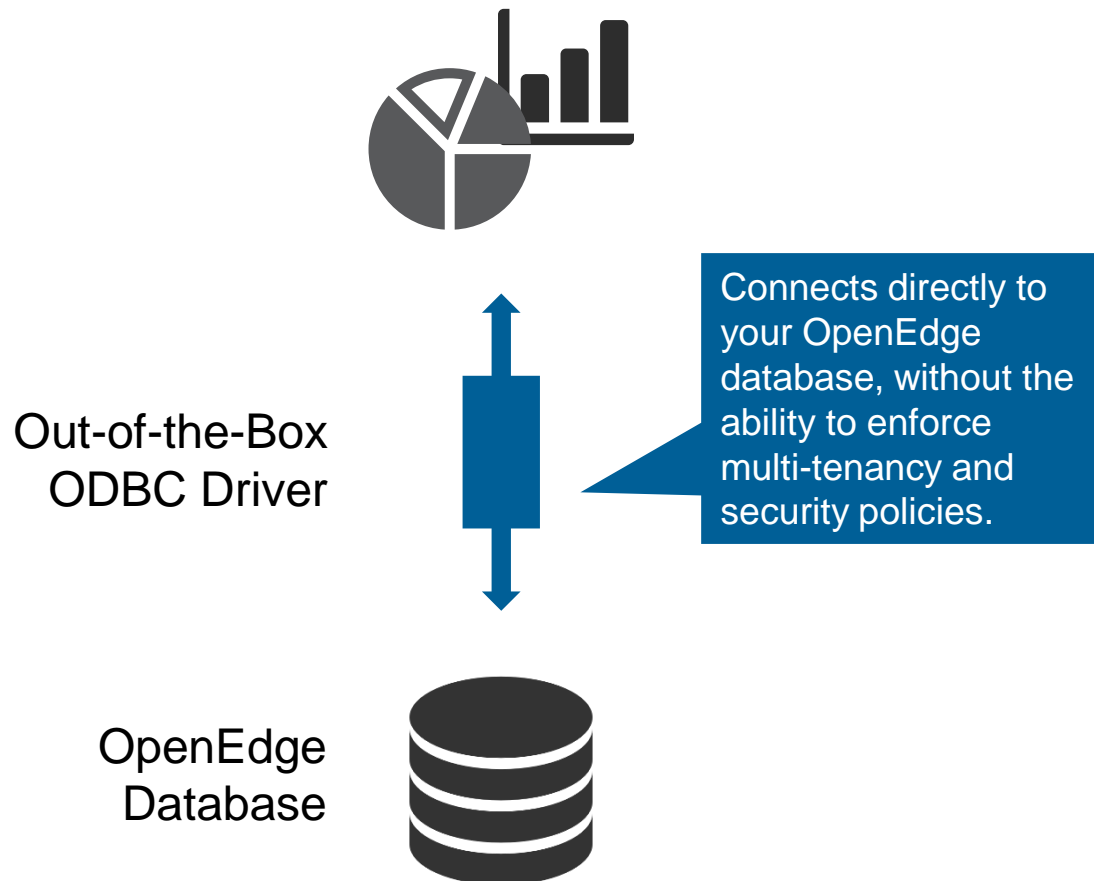
Building Custom Data Connectivity to OpenEdge Applications

- OpenAccess enables **quick development of drivers** for OpenEdge application data
- **Connectivity through your business logic layer**, not directly to your underlying database
- Expose your complex or multi-tenant data in a **simple, secure and reliable** way
- **Standardized data integration** with any data-centric application on the market today
- Provides **pre-built, full-function Interface Provider** (IP) for OpenEdge Business Logic
- Business Entity should implement methods to support **CRUD operations**

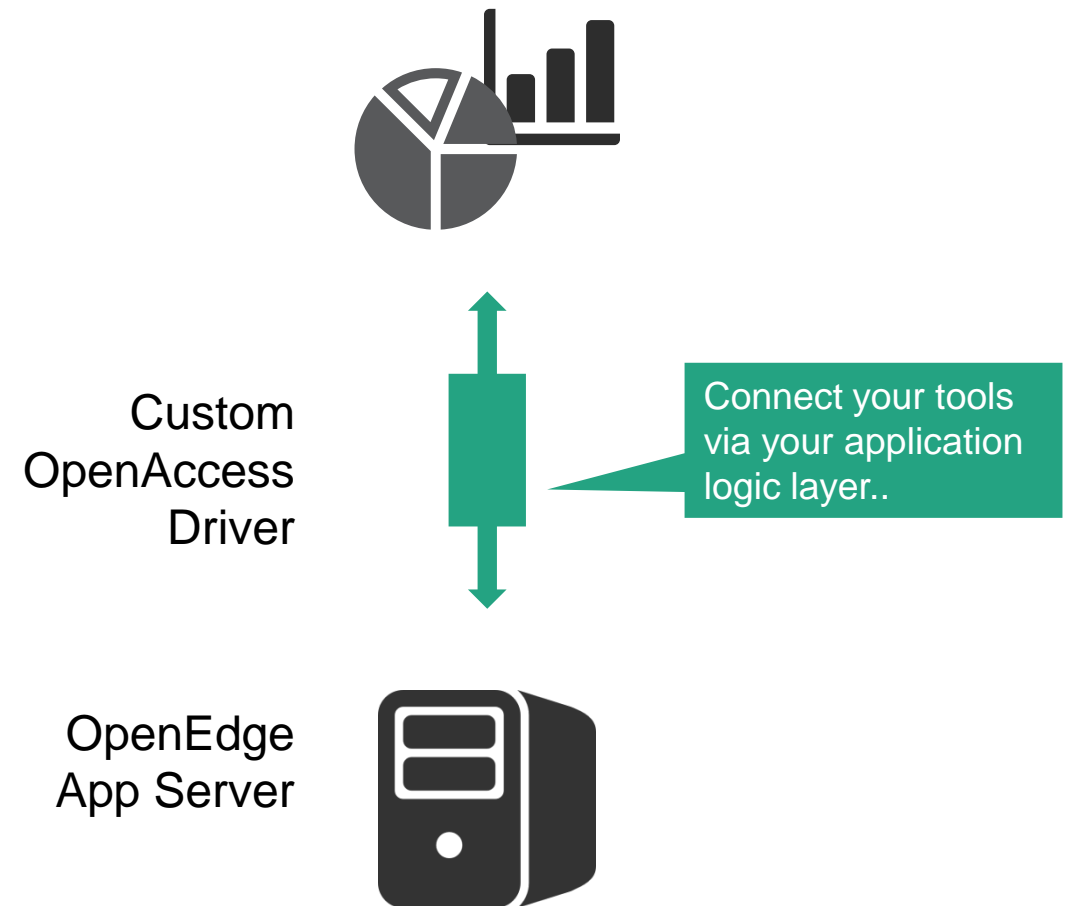


Driver Options for Accessing OpenEdge Data

DataDirect ODBC and JDBC Drivers for OpenEdge RDBMS



DataDirect OpenAccess for OpenEdge Application Server



Accelerators, Like the REST IP Wizard, Make It Easy

- A framework that enables you to build a driver from any REST data source quickly and easily
- The framework generates the driver source code from a REST data source based on metadata information that you provide (data source and schema information)



Demo of the OpenAccess Interface Provider for OpenEdge

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In Conclusion ...

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- OpenAccess accelerates business analysis by presenting the OpenEdge data in a way familiar to the application user and with rapid return on investments
- OpenAccess delivers more value to your end-users, expanding the relevance of their OpenEdge applications within their ecosystems
- OpenAccess enables a quick and easy implementation, and is the fastest way to make your application compatible with data-centric tools, such as BI and Analytics, ETL, and much more

New! OpenAccess delivers a full-function ABL Interface Provider for OpenEdge applications

Call to Action



- Try OpenAccess for yourself today with a free trial
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- Contact your Progress account executive
- Learn more at the OpenAccess SDK Developer Center
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