

PROGRESS OPENEDGE DATASERVERS

Highlights

- Promotes efficient application development and maintenance
- Enables the development of applications independent of the deployment database
- Provides reliable online transaction processing and performance
- Supports host-based, web-based, client/server and multi-tier environments

Providing Solutions for Real-World Environments

In today's computing environment, organizations must provide efficient access to diverse data sources throughout the enterprise. To meet this challenge, Progress® OpenEdge® DataServers provide Advanced Business Language (ABL) applications with a flexible, transparent interface that enables simultaneous access to multiple data sources.

To achieve the tightest possible integration between the ABL and the underlying database managers, OpenEdge DataServers support both native database features, such as stored procedures and ABL syntax. The result is the ability to develop Progress-based applications with database independence.

OpenEdge DataServers provide a powerful environment for developing and deploying ABL and web-based applications geared to today's heterogeneous, distributed computing environment. Providing full read, write, update and delete capabilities to diverse data management systems, OpenEdge DataServers enable software developers to write applications once and deploy them across various data sources. DataServers also enable existing ABL and web-based applications to access certain non-Progress data sources, facilitating the integration of new and legacy applications with diverse databases.

Combining Rapid Development and High Performance

OpenEdge DataServers combine the rapid application development benefits of the Progress component-based development environment with the high performance of today's powerful database engines. By providing consistent application behavior, such as locking, scrolling, sort order, and case sensitivity, OpenEdge DataServers simplify application development and deployment. Together with the Progress data dictionary, the OpenEdge and Progress® WebSpeed® integrated development environments (IDEs) hide much of the complexity normally associated with the development and maintenance of database definitions, application defaults and business rules. The data dictionary normalizes data requests for a given data manager, making it possible to put data wherever it is needed.

OpenEdge DataServers provide proven scalability and portability across multiple hardware platforms. They support application clients including Citrix, UNIX and the various implementations of Microsoft Windows.

OpenEdge DataServer for Oracle

The OpenEdge DataServer for Oracle enables developers to build and deploy ABL and WebSpeed applications that send information to, or retrieve information from, an Oracle database.

Designed for enterprise computing environments, the Oracle DataServer supports complex architectures including client/server, host-based, web-based and multi-tier configurations. Whether data is stored in a single Oracle database or distributed across multiple data sources, the flexibility and high performance of the OpenEdge DataServer for Oracle protect investments in existing technologies and complements organizations' information systems strategies.

Utilizing the Oracle Call Interface (OCI), the Oracle DataServer has performance optimization capabilities that help deliver fast, online transaction processing via the industry-standard network transport protocol, TCP/IP. Network performance is improved by optimizing message buffering, array fetch processing and run-time SQL variable binding. Progress components that access Oracle data can be distributed for maximum performance.

Support for Oracle native features ensures that developers can continue to leverage their expertise in Oracle technology to guarantee on-time delivery of their Progress applications. For tight integration with existing Oracle databases, developers can take advantage of Oracle stored procedures, stored functions, packages and triggers, as well as Oracle views, synonyms, constraints, security controls and hints from within the ABL or WebSpeed procedures.

DATASERVER FOR ORACLE SPECIFICATIONS	
Database Supported:	Oracle 11g and higher
Networking Interfaces:	Oracle SQL *Net/Net8 OpenEdge/Progress networking
Network Transport Protocol:	TCP/IP
Clients Supported:	Windows NT/2000/2008/2008R2, Citrix, and any OpenEdge-supported UNIX client platform
Servers Supported:	For additional information on supported servers, refer to the Progress OpenEdge Product Availability Guide on Progress Community.
Application Programming Interface:	Oracle Call Interface (OCI)

OpenEdge for Oracle DataServer Highlights:

- Reads and writes to and from Oracle 9i and higher data sources
- Provides high-speed Internet transaction processing performance through Progress® WebSpeed®
- Includes advanced query-tuning capabilities with excellent client/server and multi-tier processing and reporting performance
- Delivers high performance through support for Oracle-specific data manager features
- Enables optimistic updates to reduce locking contention and increase total throughput
- Enables tunable schema checking to decrease network traffic in a client/server or multi-tier environment
- Offers an incremental schema change utility to simplify application upgrades
- Dynamically loads Oracle Dynamic Libraries to ease customer installation
- Includes the ProToOra Conversion Utility to simplify conversion of a Progress database schema into an Oracle schema

OpenEdge DataServer for MS SQL Server

Using ODBC Level 3.5 compliance, the OpenEdge DataServer enables application developers to access the Microsoft SQL Server database management systems transparently and integrate these data sources across a variety of configurations.

The DataServer for SQL Server provides high performance and flexible connectivity with features that include stored procedures support, multi-user connectivity and increased deployment flexibility. Support for diverse client and server platforms enables the DataServer for SQL Server to provide more efficient enterprise-wide network computing.

DATASERVER FOR MS SQL SPECIFICATIONS	
Database Supported:	Microsoft SQL Server 2008 and Higher
Networking Interfaces:	OpenEdge/Progress networking or vendor-specific networking for supported data sources
Network Transport Protocol:	TCP/IP
Clients Supported:	Windows NT/2000/2008/2008R2, Citrix, and any OpenEdge-supported UNIX client platform
Servers Supported:	For additional information on supported servers, refer to the Progress OpenEdge Product Availability Guide on Progress Community.
Application Programming Interface:	ODBC: (Level 3.5 compliant)

Taking the Next Step

Find out how Progress OpenEdge can be the power behind your business. For more information, contact your local Progress sales representative or visit:

www.progress.com/openedge.

About Progress

Progress (NASDAQ: PRGS) offers the leading platform for developing and deploying mission-critical business applications. Progress empowers enterprises and ISVs to build and deliver cognitive-first applications, that harness big data to derive business insights and competitive advantage. Progress offers leading technologies for easily building powerful user interfaces across any type of device, a reliable, scalable and secure backend platform to deploy modern applications, leading data connectivity to all sources, and award-winning predictive analytics that brings the power of machine learning to any organization. Over 1,700 independent software vendors, 80,000 enterprise customers, and two million developers rely on Progress to power their applications. Learn about Progress at www.progress.com or +1-800-477-6473.

OpenEdge for MS SQL DataServer Highlights:

- Simplifies application development and maintenance since you can develop applications independent of the deployment database
- Provides heterogeneous access support that lets a Microsoft SQL Server data source participate as a full member in a multi-database transaction
- Includes the Pro2MSSQL Conversion Utility to simplify conversion of a Progress database schema into an SQL Server schema
- Provides ODBC block fetch capability and fast, firehose cursor results for NO-LOCK queries
- Offers ANSI compliance of all internal SQL code
- Provides additional connectivity and database processing throughput with both ODBC and server-managed connection pooling
- Emulates OpenEdge sequences using sequence generators that map OpenEdge sequence capabilities to native constructs in MS SQL Server
- Supports Dynamic SQL and parameter substitution for prepared cursor reuse

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