



# WHAT'S NEW IN OPENEDGE® 11.3

## BUILD SECURE, DYNAMIC APPLICATIONS DESIGNED FOR CHANGE

At Progress Software, we simplify the job of creating and operating the world's best business applications. Our Progress® OpenEdge® platform offers a complete, out-of-the-box solution for developing, integrating, and managing business applications offered as a service or on-premises.

OpenEdge is designed to assist software developers and business analysts to become more responsive to market and customer needs now and in the future. With OpenEdge, service and application development is agile and cost-effective, and the resultant applications are reliable, easy-to-maintain, cost-effective, and service enabled. As a result, companies are able to capitalize on new opportunities by getting competitive applications to market faster.

In Release 11.3, we build on previous OpenEdge 11 releases to further increase developer and business analyst productivity while still reducing the total cost of ownership of the business application. New capabilities accelerate and streamline processes by automating complex decisions – a must in today's rapidly changing business climate.

## OPENEDGE BPM

Looking to design and implement process-oriented applications? Business Process Management (BPM) is now available as an integrated capability of the OpenEdge platform. OpenEdge BPM enables the modeling and simulation of processes which are closely aligned with the way the business operates. OpenEdge BPM fully supports stateful processes and human interaction, and provides access to several managed adapters for rapid development and deployment of process-oriented applications. Security across BPM and the application tier of an OpenEdge application is now unified and seamless. The powerful ProDataSet facility of OpenEdge is now fully accessible from OpenEdge BPM enabling convenient and secure access to data in a form suitable for consumption by an OpenEdge application.

## PROGRESS CORTICON FOR OPENEDGE

Customers and Application Partners looking to develop and maintain business logic and policy using a Business Rules Management System (BRMS) approach can now benefit from the integration of Progress Corticon with the OpenEdge platform. Programmatic

## KEY NEW FEATURES

- ▶ **OpenEdge BPM**
  - > Seamless integration of process and data
  - > Unified security model
  - > Streamlined, single install process
- ▶ **Corticon BRMS for OpenEdge**
  - > Define rule sets quickly and easily from existing OpenEdge data
  - > Seamlessly pass application data to the rule engine and get results back
- ▶ **Express Mobile**
  - > Create and deploy a complete Mobile App from an existing database schema
- ▶ **Multi-tenancy**
  - > Tenant data recovery
  - > Index rebuild with other tenants online
- ▶ **Platforms**
  - > Native 64-bit Windows
  - > Update default for Java 1.7
  - > Certification of Aurea Sonic 2013

access to a Corticon decision service is now a simple callable interface from ABL. The OpenEdge database schema can be passed to Corticon to be used as the vocabulary, the starting point for creating rules and ultimately decision services. This capability increases the level of sharing of application data across the OpenEdge platform and ensures a consistent framework for developing applications.

## OPENEDGE MOBILE

Building on the mobile capability introduced to OpenEdge with the OpenEdge 11.2 release, session management has been improved to better support a “stateful session” for mobile devices. As a productivity aid for the rapid development of mobile applications, the new Express Mobile facility is now available to completely generate and deploy a mobile app from an existing OpenEdge database schema (either a single table or a ProDataSet). For evolving mobile applications, the Express Mobile facility also supports adding new objects to an existing project.

## MULTI-TENANCY

Extending upon the Multi-tenancy capability for the OpenEdge database introduced in the OpenEdge 11.0 release, recovery and index rebuild operations can now be performed at the tenant level, i.e., operational database activities for a single tenant can now be performed without impacting other tenants of the database. Included is the capability to restore multiple tables per tenant concurrently or the data for multiple tenants. Shell scripting provides for automating the process as desired. One can also rebuild the indexes for a single tenant while the other tenants remain operational. The tenant whose indexes are being rebuilt must be off-line, however.

## ADVANCED BUSINESS LANGUAGE (ABL)

ABL productivity enhancements in the OpenEdge 11.3 release include extended support for a single-run and singleton runtime lifecycle. The enhancements introduced in the OpenEdge 11.2 release have now been expanded to support the Open Client interface. Developers can now take advantage of extended support for passing structured error objects between code executed on an AppServer and a client. Progress continues to enhance the OO aspects of the ABL

programming language. In OpenEdge 11.3, the ABL compiler makes “instance-private” data members “class-type private” which offers OOABL developers enhanced productivity and closer alignment with other OO languages such as .NET and Java. Finally, ABL functions which manipulate file names can now include Unicode characters.

## INTEGRATION TECHNOLOGY

The OpenEdge 11.2 release saw the introduction of the REST adapter. In the OpenEdge 11.3 release, the runtime performance of REST adapter has been improved.

## DATASERVERS

For OpenEdge users deploying the DataServer components, several enhancements were made in the OpenEdge 11.3 release:

- ▶ Improved query processing for JOIN operations on Oracle DataServer.
- ▶ Improved implementation of the sequence generator for MS SQL Server 2012.
- ▶ For all DataServers, log entry types of “performance” and “interface” have been introduced for faster issue resolution and improved visibility on runtime performance.

## PROGRESS DEVELOPER STUDIO FOR OPENEDGE

The Progress Developer Studio for OpenEdge IDE has been enhanced to support JDK 1.7. The co-packaged Infragistics controls have also been upgraded to the latest version.

## SQL

For developers utilizing SQL to access the OpenEdge database, a number of enhancements were made in the OpenEdge 11.3 release:

- ▶ Support for the “Sub-Query Anywhere” clause to integrate more easily with other SQL-based applications and Java-based frameworks
- ▶ For database tables defined as “SQL only”, the respective table can be dropped from the schema while the database is online.
- ▶ Improved performance of the “set rowcount” function.
- ▶ Support for dropping stored procedures while a database is online, thus making the updating of applications easier.

## DATABASE

A number of enhancements in the areas of performance and administration were made in the OpenEdge 11.3 release:

- ▶ Speed up of the online database backup task.
- ▶ OpenEdge auditing has now been extended to audit events related to changes in the database schema.
- ▶ Improved storage management after archival of audit data. Upon completion of the archival of audit data, storage space is now reclaimed.

## PLATFORMS

The Progress OpenEdge 11.3 release now has comprehensive support for Microsoft Windows 64-bit architectures with a 64-bit Microsoft Windows client. The Java runtime bundled with OpenEdge is now Java 1.7 while remaining compatible with Java 1.6. OpenEdge 11.3 is now certified to support Aurea Sonic 2013.

## ABOUT PROGRESS OPENEDGE

Progress® OpenEdge® is the leading platform for simplifying and streamlining the development, integration and management of global business applications for fast time-to-market. With the Progress OpenEdge product, you can develop dynamic solutions that incorporate business process and integration capabilities securely across multiple platforms and devices. Whether you deploy on-premise, on a mobile device, or in the Cloud, the Progress OpenEdge application offers a single integrated platform that is 40% more productive and provides a 30% cost savings versus the competition. Over 47,000 businesses in more than 175 countries run on the Progress OpenEdge platform. For more information, please visit [www.progress.com/openedge](http://www.progress.com/openedge).

## 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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