OpenEdge 12.7

Innovation Release

DATA SHEET

Introduction

Enterprises across the globe are operating on business-critical applications developed some years ago— many of which are built on Progress® OpenEdge®. Considering the reliability and stability of the OpenEdge platform, these business owners may be hesitant to invest in the modernization of those applications.
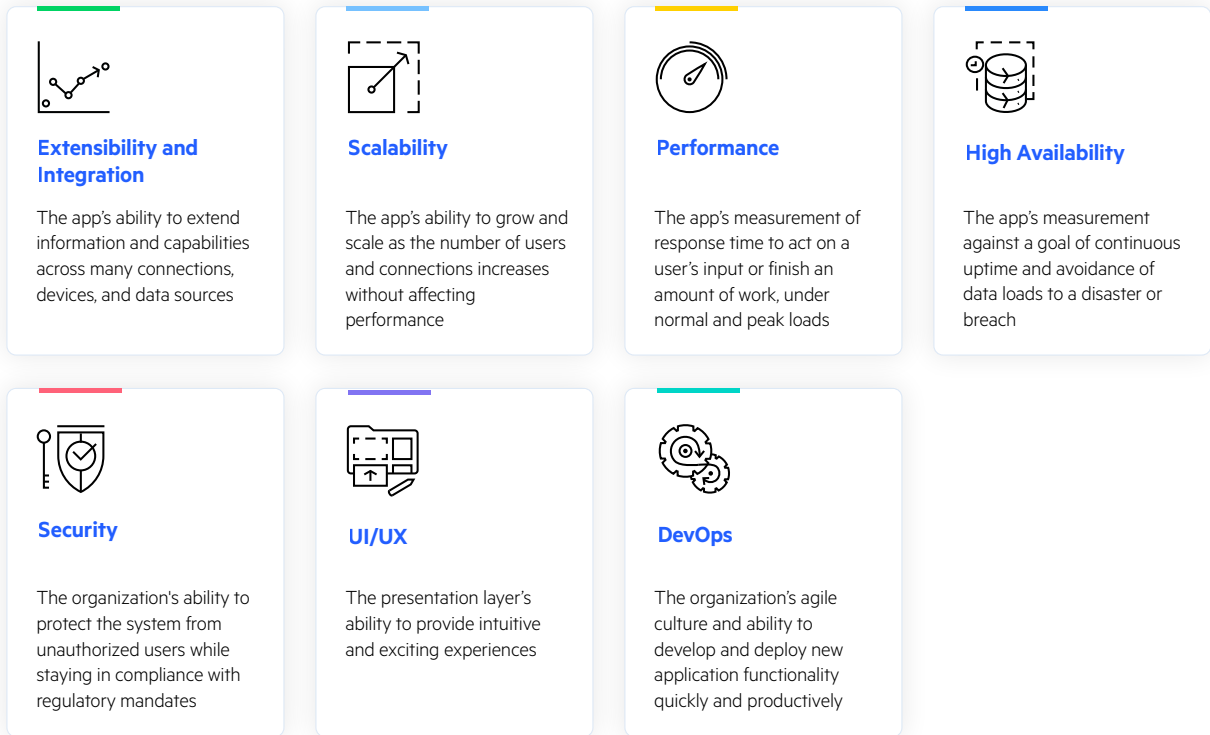
Modernizing Your Application

When it comes to modernization, OpenEdge delivers highly available and agile applications to support your business's growth. With applications that support global organizations and their customers, OpenEdge allows you to modernize for today's requirements to support tomorrow's demands.

You need to continuously provide value to your business and your customers, leveraging your investment in the core logic and pave the way for future innovation. Modernizing your application can be complex. Yet this evolution is also a necessary undertaking to continue to thrive in today's ever- evolving business environment.

Application users are becoming savvier and expect improved functionality, while the methods of accessing various enterprise systems are changing and the number of target platforms as well as connections to the data continue to increase. As a result, developers are struggling to continuously deliver application functionality that will help their organizations keep pace.

It is imperative that your mission-critical application provide the following in order to address today's business demands.

Extensibility and Integration

The app's ability to extend information and capabilities across many connections, devices, and data sources

Scalability

The app's ability to grow and scale as the number of users and connections increases without affecting performance

Performance

The app's measurement of response time to act on a user's input or finish an amount of work, under normal and peak loads

High Availability

The app's measurement against a goal of continuous uptime and avoidance of data loads to a disaster or breach

Security

The organization's ability to protect the system from unauthorized users while staying in compliance with regulatory mandates

UI/UX

The presentation layer's ability to provide intuitive and exciting experiences

DevOps

The organization's agile culture and ability to develop and deploy new application functionality quickly and productively

By embarking on a journey of continuous application evolution, enterprises can position themselves to be more agile while continuing to drive value to the business. As you look to be more proactive in your application evolution strategy, the first step you should take is upgrading to OpenEdge 12.7.

Review the full details in the Progress OpenEdge Life Cycle Policy Guide.

What's New in OpenEdge 12.7

Customers and partners seeking to accelerate delivery in a competitive market will find that OpenEdge 12.7 provides object-oriented ABL enhancements, security improvements, database efficiency, .NET 6 support on Windows, and a modernization path for WebSpeed applications.

OpenEdge 12.7 allows your development team to be highly productive as they build and deploy applications. You can address service level requirements and minimize downtime through improved monitoring performance with new DevOps tooling. Plus, you'll gain new levels of DevOps and deployment agility and minimize risk with new performance and supportability capabilities. Here is just a snapshot of the benefits you'll receive with OpenEdge 12.7.

Progress® OpenEdge® 12.7 – delivers new features and enhancements to provide customers with the most competitive applications to support their businesses. (Innovation release)
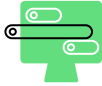
OpenEdge 12.7 Feature Highlights

- **Object-Oriented ABL Enhancements**: With built in HashMap collection support in ABL, application developers can optimize their current applications aside from using it for new capabilities in their applications. Using HashMap key-value pairs is the most suited data structure for optimal performance.

- **Security Improvements:** TLSv1.3 is now the default security protocol for OpenEdge, further enhancing security and performance. In addition, the use of OAuth2 and SAML authentication is greatly simplified by a Security Token Service that automatically transforms these industry-standard tokens into the Client-Principal internal OpenEdge security token. This supports a more seamless integration with applications developed using other technology that already use OAuth2 and SAML.

- **Database Efficiency:** Database administrators can now remove and return a data storage area back to the OS without any downtime, especially useful for databases hosted in the cloud. DBAs can also reorganize table data and restore databases including from compressed backups faster than ever. Record and key validation during an index check enables DBAs to detect and repair integration issues even more quickly.

- **.NET 6 Support on Windows:** For those ready to migrate their applications to .NET 6, the successor to .NET Framework and a long term supported release from Microsoft, OpenEdge is ready. Moving to .NET 6 ensures that your OpenEdge applications stay up-to-date with enhanced performance, support, security, look and feel, and long-term sustenance. The older .NET Framework continues to be fully available, so migrate to .NET 6 on your own schedule.

- **Modernization Path for WebSpeed Applications:** If you have been unable to upgrade to OpenEdge 12 due to lack of WebSpeed mapped web objects (relates a HTML document with forms to ABL procedures), wait no longer. With the newly added support of WebSpeed mapped web objects, you can continue using your current WebSpeed applications, with some refactoring, while you continue to plan and execute incremental evolution away from this legacy technology.

- **OpenEdge DevOps Framework:** OEDF provides the building blocks for Continuous Integration of ABL applications and natively supports Progress Developer Studio projects, allowing seamless transition from development to CI environment and concise build logic. With OEDF, a simple build script can essentially compile the code, fetch the dependencies, create packages, and execute tests. OEDF initially supported Procedure Libraries (PLs) for deployment, and now adds OEDS, WAR and OEAR as deployable packages.

For a full list of the new features introduced in OpenEdge 12.7, please refer to the What's New in OpenEdge documentation.

Choose your Journey to Application Modernization

The OpenEdge 12 series provides the technical foundation to facilitate your application evolution effort.

With OpenEdge 12.7 customers have the opportunity to drive their OpenEdge application to modernization. This release provides the latest in application development supporting continuous operations, delightful DevOps experience along with performance, scalability, and security.

LEARN MORE

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With OpenEdge 12.2 came the introduction to a new product life cycle for a [Long-Term Supported (LTS)](#) release that enables customers to realize the benefits of an OpenEdge release that is proven and stable for an extended period of time. This gives customers greater operational stability and longevity on a release while allowing informed, confident decisions to modernize at your own pace.

Customers also have the option of using Innovation releases as the foundation for highly competitive application development and delivery strategies enabling accelerated access to new features and functionality. Customers can migrate from one Innovation release to another Innovation release more frequently than they would from a long-term supported release to another.

To learn more about the OpenEdge product life cycle and Long Term Supported and Innovation versions, please read about the OpenEdge [Product Life Cycle](#) and review the dates for [Active/Sunset/Retired](#) milestone dates for various OpenEdge versions.

Drive Product Direction

Your feedback and collaboration are key to our delivering essential iterative improvements and delivering technology that drives your success. Here are two new ways for you to influence OpenEdge product direction:

Submitting New Ideas

Sharing your enhancement requests through our new portal is easy and collaborative! You can enter, comment, and vote on ideas as in the past, now with much-improved searching and filtering capabilities. In addition, as ideas are actioned by the OpenEdge team, idea creators and subscribers receive automatic emails on significant status changes and comments. You can access the new portal at www.openedge.ideas.aha.io, and we look forward to your continued idea collaboration.

Customer Validation Program (CVP)

When you become a [member of the CVP](#) you will have the opportunity to influence the OpenEdge roadmap so we can produce capabilities that meet your most pressing business needs. It is designed to provide you with direct insight into features that are currently under development. You will also have access to demos and test builds, allowing you to preview pre-release software and provide feedback before the release becomes

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commercially available, along with product webinars, sprint reviews, roadmap surveys, and more. It's easy to join, and you will have direct communication with the OpenEdge product team while gaining insight into what your peers are requesting as well.

Delivering Software that Meets your Expectations is our Number One Priority

JOIN CVP

The Application Evolution Approach

With Progress as your partner, there is no need to delay the Application Evolution process any longer. You are in an ideal position to seize the new opportunities that will present themselves with a move to a lighter and more fluid cloud architecture that increases collaboration and communication within the organization as well as with business partners and suppliers.

Get started today with the Application Evolution eBook.

→   **Test Drive OpenEdge 12 Series Today!**

About Progress

Progress (NASDAQ: PRGS) provides the leading products to develop, deploy and manage high-impact business applications. Our comprehensive product stack is designed to make technology teams more productive and enable organizations to accelerate the creation and delivery of strategic business applications, automate the process by which apps are configured, deployed and scaled, and make critical data and content more accessible and secure—leading to competitive differentiation and business success. Learn about Progress at www.progress.com or +1-800-477-6473.

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