

Progress OpenEdge 12 Migration

WHITEPAPER



In today's fast-paced technological environment, staying up to date with the latest technology is essential for maintaining a competitive edge and making your applications secure. Migrating to newer versions of software can often be challenging, especially when it comes to complex enterprise applications. With the right migration plan, the upgrade can be done effectively, and your critical business applications will run on the latest secure and feature-rich Progress OpenEdge platform. This whitepaper explores the migration process from older OpenEdge versions to the OpenEdge 12 release family, more specifically, the brand new LTS release, OpenEdge 12.8, which will be out soon. This document aims to highlight possible challenges and presents effective strategies to streamline the transition.

Migration Challenges

Migrating from an OpenEdge version that has served an organization for decades to a new version might seem like a lot of work. As a result, many businesses in our OpenEdge community opt to stay on their current versions even when those versions might no longer be supported. Legacy systems make up more than 50% of enterprise applications. Some key concerns customers have that might hinder migration are:

- **Compatibility:** Concern that the upgrade could disrupt their current workflows or result in application behavior changes. OpenEdge releases are backward compatible except on a rare occasion when a change is required for security.
- **Resources:** New versions of software demand human, financial and technological resources that might not be readily available right now. Getting these resources in place and trained on new processes incur expenses. But how much will a security breach cost?
- **Reliability:** If it isn't broken, why fix it? Newer versions have improved security and get patched when security issues are discovered. There is a risk of staying on older technologies without these security measures in place.
- **Uncertainty:** The fear of the unknown can lead customers to avoid migrating to newer versions. New OpenEdge releases include migration tools to simplify the migration process.

Why You Need to Migrate

Migrating your OpenEdge application can bring numerous benefits and opportunities for your business. Here are three key reasons why a migration is essential:

- **Modernization and Future-proofing:** Technology is constantly evolving, and legacy applications may struggle to keep up with the changing landscape. Migrating your OpenEdge application allows you to embrace the latest advancements, frameworks and architectures, ensuring your application remains relevant and adaptable in the long run. These newer versions address known security vulnerabilities which minimizes the chance of a security breach which can be devastating to your business. By modernizing your application, you can leverage new features, improve performance and enhance security, providing a better experience for both your users and developers.
- **Scalability and Performance:** As your business grows, the demands on your application often increase. Migrating your OpenEdge application enables you to take advantage of powerful, scalable and cloud-native architectures, allowing your application to handle larger workloads and adapt to changing user demands. By optimizing performance through migration, you can improve response times, reduce downtime and enhance the overall user experience, which can significantly impact customer satisfaction and retention.
- **Integration and Collaboration:** In today's digital world, seamless integration with other systems and technologies is crucial. Migrating your Progress OpenEdge application can provide opportunities to integrate with other modern platforms, APIs and third-party services, enabling you to leverage the power of data and expand your application's capabilities.

As you can see, migrating your OpenEdge application offers a pathway to modernization, scalability, improved performance, enhanced security and enhanced integration capabilities. By taking this step, you can future-proof your application, unlock new opportunities and stay competitive in the ever-evolving digital landscape.

How We Made Migration Easier

The OpenEdge product release life cycle is designed to help with planning upgrades and/or migration strategies for your OpenEdge applications. The life cycle defines two types of releases: Innovation and Long Term Supported (LTS). Both types of releases include new features, enhancements to existing features and bug fixes. The difference between the two is that innovation releases are only on active support until the next release while LTS releases offer stability and support over many years.

OpenEdge 12.8 is the upcoming Long Term Support (LTS) release and should be the upgrade target for any application at this time. This release is the accumulation of three years of innovation development with a focus on improved performance, security and new features. Features from enhanced session monitoring to support for OpenAPI, secure code packaging and utilities to enable smoother and more efficient migrations. These advancements empower businesses to seamlessly transition their applications while ensuring optimal performance, security and scalability.

- **Support for WebSpeed Including Mapped Web-Objects:** OpenEdge 12.8 supports all WebSpeed applications including mapped web-objects. This support simplifies migration by allowing businesses to seamlessly port their existing web objects to OpenEdge while preserving their functionality. Businesses can migrate and see a smooth transition to the new release environment.
- **Enhanced Session Monitoring and Profile Data:** OpenEdge 12.8 offers improved session monitoring capabilities. With enhanced session monitoring and the inclusion of session profile data, businesses gain better visibility into the behavior and performance of their applications. This comprehensive monitoring functionality assists in identifying bottlenecks, optimizing resource utilization and ensuring a seamless migration experience while maintaining optimal application performance.
- **New and Enhanced Command-Line Utilities for PAS for OpenEdge:** OpenEdge 12.8 introduces new and enhanced command-line utilities specifically designed for the Progress Application Server for OpenEdge (PASOE). These utilities streamline the migration process by providing developers with powerful tools to manage and control their PASOE environment effectively. The addition of soft stop and restart functionalities for agents and sessions ensures a graceful transition, minimizing disruption and maximizing uptime during the migration process.

- **Support for OpenAPI on REST and Web Transports:** To facilitate seamless integration with modern systems and distributed services, OpenEdge 12.8 supports OpenAPI on REST and Web transports. This enables businesses to expose services within their OpenEdge applications such as RESTful APIs, fostering interoperability and allowing for easy integration with a wide range of external systems. This feature simplifies the migration process by providing standardized and industry-accepted interfaces, empowering businesses to leverage the power of their OpenEdge applications in a modern ecosystem.
- **Advanced Packaged Libraries (APL):** OpenEdge 12.8 introduces a new secure and signed code packaging through the APL framework which can be used as part of a modern CI/CD process. This feature enhances security during the migration process by ensuring the integrity and authenticity of the migrated code. By securely packaging code, businesses can confidently transfer their applications to the new environment without compromising security or introducing potential vulnerabilities.

The continuous advancements in OpenEdge have significantly simplified the migration process for businesses. With the upcoming LTS release, the addition of features such as support for mapped web-objects, enhanced session monitoring, improved command-line utilities, OpenAPI support and secure code packaging through APL, OpenEdge offers a robust and comprehensive system for smooth and efficient application migration. These advancements enable businesses to migrate their applications seamlessly while preserving functionality, optimizing performance and enhancing integration capabilities. By leveraging the power of OpenEdge 12.8, businesses can embark on successful migration journeys and unlock the full potential of their applications in the modern digital landscape.



Migration Resources Offered by Progress

Keeping pace with the needs of your users is an ongoing process that starts with thinking about where your business is today and where you want it to be tomorrow. Whatever your current OpenEdge technology or architecture, we are here to help you quickly and smoothly make the changes you need.

- Reduce Technical Debt
- Leverage a Well-Structured Software Architecture
- Streamline Integration of Third-Party Data
- Create a Compelling User Experience
- Make Your Application Cloud Ready
- Support the Opportunity of API-Based Business

Progress offers hands-on assistance with the aid of Progress Professional Services. They can update your application to the most recent OpenEdge technology and evolve your application to include the newest features and user experiences that your business demands. Key modernization services include:

Progress Application Server for OpenEdge

Make a smooth transition from the classic AppServer to PASOE in OpenEdge 12.8. The new application server delivers improved scalability along with simplified installation, configuration and management. When faced with time and resource constraints, the adept Progress Professional Services team offers invaluable assistance to ensure a successful migration. They provide comprehensive support, including thorough architecture and security reviews, expert guidance on the migration path, implementation in a development environment, deployment of sample applications, creation of REST API services and recommendations on industry best practices. Leveraging their expertise, you can navigate the migration process with confidence and optimize the performance of your OpenEdge applications. For more information, see <https://www.progress.com/services/openedge-modernization/openedge-pas>.

DevOps

In today's fast-paced and ever-changing business environment, organizations must adopt tailored CI/CD strategies to thrive. The ability to release new software rapidly, sometimes within days or weeks, has become a critical success factor. To accomplish this, having a well-structured team that embraces DevOps methodologies and fosters a continuous production-feedback loop is essential. At Progress Professional Services, we specialize in facilitating the transition from traditional monolithic ecosystems to modern best practices. Our expertise lies in implementing customized CI/CD strategies that bring numerous advantages. These include increased automation, ensuring code stability, reliable analysis, faster release cycles, improved productivity and enhanced software quality. For more information, see.

Compelling User Interface

Progress Professional Services offers a range of UI and UX design services to assist you in various aspects of your project. Whether you require guidance in using a specific Progress tool or seek comprehensive support for your UI/UX endeavor, our team of experts is here to help. Our offerings include informative workshops that delve into the essentials of what, why and for whom, as well as architecture reviews to ensure the proper framework for achieving your goals. We provide actionable recommendations to enhance user experience quality and performance and services such as designs, prototypes and usability tests. Additionally, we offer custom features tailored to provide unique value to your business and employ defined user personas to concentrate development efforts on features desired and needed by users. To ensure optimal functionality, we conduct thorough reviews and tests, encompassing regression testing, customized regression suites, unit testing and application testing. For more information, see <https://www.progress.com/services/openedge-modernization/design-services>.



Summary

At Progress, we are committed to simplifying the migration process to the latest OpenEdge versions, making it as seamless as possible for you. Don't miss out on the numerous benefits that come with upgrading your applications. With the availability of OpenEdge 12.8, your application will be fully equipped to thrive in the digital age. Don't be left behind.

If you have any further questions or concerns about the migration, please don't hesitate to reach out to your dedicated Progress Account Manager. They are well-equipped to provide you with the necessary assistance and guidance throughout the migration journey.



What's New in OpenEdge 12.8






About Progress

Dedicated to propelling business forward in a technology-driven world, [Progress](#) (NASDAQ: PRGS) helps businesses drive faster cycles of innovation, fuel momentum and accelerate their path to success. As the trusted provider of the best products to develop, deploy and manage high-impact applications, Progress enables customers to build the applications and experiences they need, deploy where and how they want and manage it all safely and securely. Hundreds of thousands of enterprises, including 1,700 software companies and 3.5 million developers, depend on Progress to achieve their goals—with confidence. Learn more at www.progress.com

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