



Progress OpenEdge 12.8

Empower developers, enhance security and elevate environment management

DATA SHEET

Introduction

In today's fast-paced digital landscape, businesses must have access to the latest and greatest for their mission-critical application development and environment management platforms. From enhanced performance and security to new features and compliance support, we will delve into Progress OpenEdge 12.8, the latest Long-Term Supported (LTS) release.

As our latest LTS release, OpenEdge 12.8 supplies all the features, capabilities and enhancements delivered in OpenEdge versions 12.3 through 12.7 introduces many features. Now you have the ultimate collection of OpenEdge features to enhance your application's performance, productivity and scalability.

Supercharge Your Enterprise App Development and Database Management Platform

OpenEdge 12.8 offers a range of new features and enhancements to:

- Boost developer productivity
- Streamline environment management
- Fortify application security
- Improve availability
- Enhance integration and interoperability
- Stay current with evolving technologies

What's New in OpenEdge 12.8

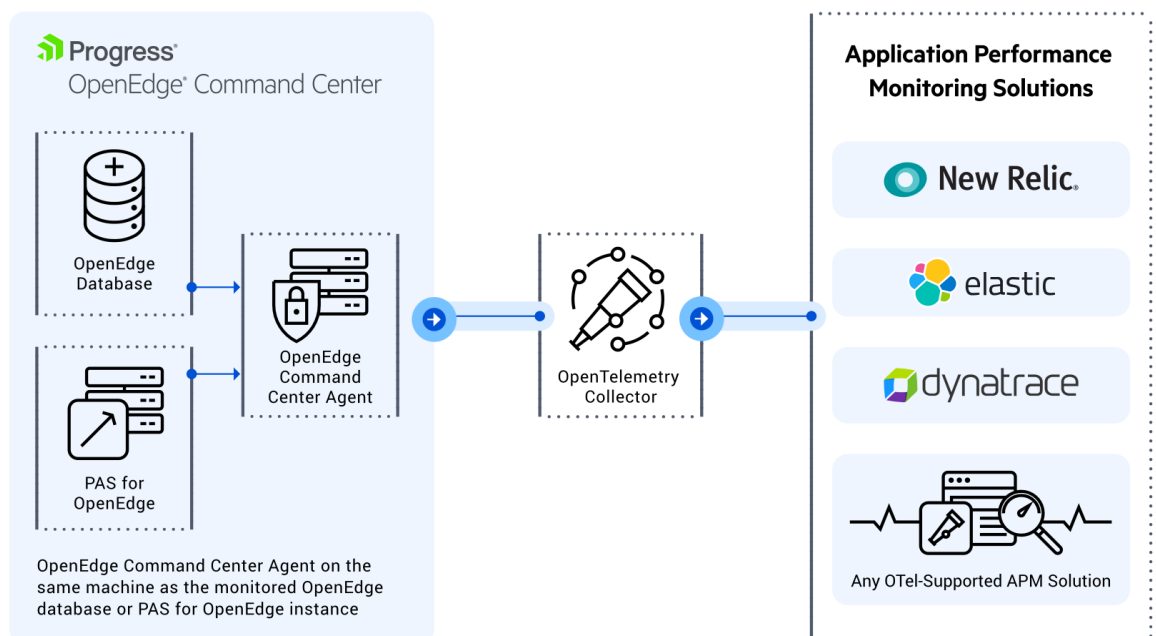
Developer Productivity

OpenEdge 12.8 introduces several features to enhance developer productivity. These include incremental support for faster builds, OpenTelemetry integration for application performance analysis and tuning, operator shorthand and new VAR statement for code optimization, Count/Average/Sum aggregation for efficient data processing and OOABL (Object-Oriented Advanced Business Language) Collections for managing complex data relationships.

OpenTelemetry Performance and Tracing Support:

OpenTelemetry—an open-source initiative—offers a comprehensive suite of tools, including APIs, libraries, agents and instrumentation, to empower businesses with enhanced observability for software applications. Observability relates to the ability to extract insights into a system's inner workings by gathering and analyzing data from multiple sources, including logs, metrics and traces.

By utilizing OpenTelemetry, organizations can achieve tangible business benefits. With real-time visibility into how your application performs, you can proactively resolve issues. This gives developers and operations teams the insight they need to troubleshoot problems quickly and effectively—minimizing downtime, improving user satisfaction and increasing operational efficiency. OpenTelemetry equips businesses with the tools necessary to make data-driven decisions that directly impact their bottom line.



Operations and Management

OpenEdge 12.8 introduces various environment improvements, such as enhanced administrative tasks, multi-threaded index checks and other features that boost availability and performance. It also offers improved monitoring and management capabilities for the production environment with the OpenEdge Command Center (OECC), a state-of-the-art tool that simplifies management in cloud and on-prem environments. It also introduces various database improvements, such as enhanced administrative tasks, multi-threaded index checks and other features that boost availability and performance.

OpenEdge Command Center

Gain crucial insights for informed decision-making with OpenEdge 12.8 by collecting metrics data from the system and Progress Application Server (PAS) (with OpenEdgeDatabase support coming soon). OECC helps provide crucial insights for informed decision making. With OpenEdge 12.8, you can say goodbye to the complexity of load-balancing setups - users can create identical PAS for OpenEdge instances effortlessly, streamlining your operations. OECC also enables you to seamlessly integrate your choice of best-in-class Application Performance Management (APM) tools for in-depth data analysis. Gain access to a user-friendly, web-based admin console with OECC that empowers you to efficiently manage your OpenEdge environment with modern, web-based capabilities.



Cloud-Ready Management Console



Browser-Based Responsive UI, Easily Accessible Through Your Computer & Tablet Devices



Lightweight, Secure & Reliable Agents



Easy To Use, More Secure, Open REST API For Automation

Application Security

Security is a top priority for any business, and OpenEdge 12.8 introduces several features to strengthen application security. It supports Hardware Security Modules (HSM) for more secure cryptographic operations, upgrades to OpenSSL 3.1 for enhanced security protocols, introduces the External Security Administration Manager facilitating a single installation root path (“single source of truth”) and enables code and archive library signing to support the integrity of applications.

Hardware Security Module (HSM)

Help protect stored and confidential information against data breaches while upgrading data encryption security policies. This capability supports compliance with security audits by utilizing Hardware Security Modules (HSM) as a separate and more secure repository for secrets. This provides an additional layer of authentication when accessing and using data encryption keys.

Integration and Interoperability

OpenEdge 12.8 introduces real-time messaging and streaming capabilities with Kafka, as well as support for Microsoft .NET 6. The Kafka integration allows developers to seamlessly send messages to a Kafka cluster, control consumer positions, participate in event-based architectures and synchronize data across systems. It enables better integration and interoperability with external systems.

Real-Time Messaging and Streaming with Kafka for OpenEdge

An OpenEdge developer can use the Kafka client provided with the OpenEdge platform to participate in event-based architectures that use Kafka, from directly within the ABL. Configure quality-of-service settings per topic when sending messages to a Kafka cluster so your messages can be sent with the required level of reliability without the need to manage additional producers. Stream messages to and from an OpenEdge application to synchronize data, capture application metrics and log files and send critical alerts to monitoring systems. Atomic transactions are also fully supported.



Activity Tracking

The original use case for Kafka. Clicks, likes, orders, registrations, preferences, etc.



Log Aggregation

Centralized storage and processing of logs as a stream of messages.



Data Processing

Low-latency data transmission to consumers. Used for financial data, logistics, etc.



Messaging

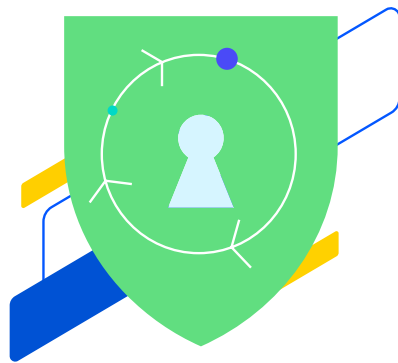
Kafka can work as a replacement for message brokers.

.NET 6 Support

With Microsoft .NET 6 support, you can run applications on any .NET implementation that adheres to the .NET Standard. Developers using .NET Open Client in their applications can migrate their codebase to .NET Core 3.0 or later versions on Windows and Linux. Support .NET 6 on Windows and Linux with improvements to the look and feel for .NET-based controls while providing widespread and significant performance improvements for many types of .NET programs. Also, increase productivity and enhance application functionality using various .NET 6+ libraries from the ABL when executing on Linux.

Regulatory Compliance

OpenEdge 12.8 offers you the regulatory compliance support you need to operate in today's world. With dynamic data masking (DDM), you can hide sensitive data that the application displays, helping you achieve regulatory compliance and maintain a competitive edge.



Data Regulation Support for Dynamic Data Masking

Users are often required to meet government regulations when it comes to data security and permissions. Government regulations such as GDPR (General Data Privacy Regulation), HIPAA (Health Insurance Portability and Accountability) and PIPEDA (Personal Information Protection and Electronic Documents Act) aim to prevent sensitive information, like social security numbers, credit card data and patient health information, from being viewed by unauthorized users. The challenge with meeting these regulations is that customers may need help controlling who can access or view sensitive information.

Enable users to mask fields from unauthorized users to better comply with data regulations. Dynamic data masking (DDM) allows users to set controls on who is authorized to view sensitive information and masks sensitive data when viewed by unauthorized users. Administrators can support data privacy and protection and help safeguard sensitive information.

Why a Long-Term Support (LTS) Release?

Progress OpenEdge supports businesses worldwide in building dynamic applications with more secure deployment across various platforms, device types and cloud environments. What makes OpenEdge unique is the flexibility and options it offers you for upgrading your OpenEdge application, with backwards compatibility being the top priority. This enables your business to operate precisely how you want it to.

An LTS release is great for customers who focus on long-term stability. When you choose an LTS release, you will be on an OpenEdge version—with an increased focus on platform stability—for an extended period. An LTS release adheres to the [life cycle policy](#) of four Active years and two Sunset years before moving to retirement. During the Active and Sunset periods, carefully reviewed updates supply only bug fixes and no new features that could introduce instability. If your business requires that you operate in as stable an environment as possible, and you do not need more frequent feature enhancements, an LTS release is a great model for you.

Drive Product Direction

Your feedback and collaboration are vital to delivering essential, iterative improvements and the technology that drives your success. Here are some new ways for you to influence OpenEdge product direction:

Submitting New Ideas: Sharing your enhancement requests through our Ideas Portal is easy and collaborative! You can enter, comment on and vote on ideas to help shape the future direction of OpenEdge. In addition, as the OpenEdge team acts on ideas, idea creators and subscribers receive automatic emails on significant status changes and comments. You can submit your suggestions via the [Ideas Portal](#).

Customer Validation Program (CVP): CVP is designed to provide direct insight into features currently under development. When you become a member, you can influence the OpenEdge roadmap, so we produce capabilities that meet your most pressing business needs. You will also have access to demos and test builds, allowing you to preview software before its release and provide feedback before it becomes commercially available. You will also get access to product webinars, sprint reviews, roadmap surveys, pre-release software and more. [CVP](#) is easy to join, and you will have direct communication with and influence on the OpenEdge product team.

OpenEdge Community: Remember to join us in the Progress Community to learn and collaborate with other customers, partners and Progress employees. Feel free to ask and answer questions, browse the Knowledge Base, download products and post jobs your company is hiring for! We even have a gamification platform where you can accept missions, snag badges, earn points, climb our leaderboard and level up.

[Join the Community today.](#)

OpenEdge 12.8 brings a wealth of new features and enhancements that empower developers, streamline database management, fortify application security, promote availability, improve integration and stay current with evolving technologies. By adopting OpenEdge 12.8, you can optimize your organization's development processes, enhance application performance and better secure critical assets.



Test Drive OpenEdge 12.8

About Progress

Progress (Nasdaq: PRGS) provides software that enables organizations to develop and deploy their mission-critical applications and experiences, as well as effectively manage their data platforms, cloud and IT infrastructure. As an experienced, trusted provider, we make the lives of technology professionals easier. Over 4 million developers and technologists at hundreds of thousands of enterprises depend on Progress. Learn more at www.progress.com

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