

What Is the Progress OpenEdge Platform?

Building and Running Mission-Critical
Business Applications

WHITEPAPER



Built for Businesses. Designed for Developers.

The **Progress® OpenEdge®** application development system is designed to help organizations build, run and evolve business-critical applications that must be fast, reliable, secure and adaptable over time.

Rather than assembling separate tools for development, databases, application servers and operations, the OpenEdge database management system is purpose-built for transactional business systems and optimized for business logic and data-intensive workflows. Hence why it's trusted by organizations worldwide to power applications where downtime, data loss or slow performance are simply not acceptable.

What Does It Do?

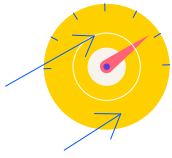
At a high level, it provides everything required to support the entire lifecycle of a business application—from development through long-term operations—enabling organizations to:

- Build complex business applications faster
- Run applications reliably at scale
- Protect critical data and operations
- Evolve applications over time

Because all core components are designed to work together, teams spend less time integrating technologies and more time delivering business value.

Being AI-ready, it can facilitate the connection of intelligent, agent-based capabilities directly to their business applications and data. This allows AI to work within existing systems that are grounded in real business context, governed by existing rules and integrated into operational workflows—without the need to rewrite or replace already proven applications.

What Are Its Key Benefits?



Faster Delivery of Business Applications

The platform is designed to accelerate application development by reducing complexity. Its integrated approach eliminates much of the plumbing required in traditional stacks, allowing teams to focus on business rules, workflows and user experience, rather than infrastructure assembly. This results in:

- Shorter development cycles with AI coding assistance
- Faster delivery of new features and applications
- Greater productivity with smaller development teams



Lower Risk for Mission-Critical Systems

Many OpenEdge applications sit at the heart of business operations. The platform is built to minimize operational risk through:

- High availability and fault-tolerant architectures
- Built-in backup, recovery and replication capabilities
- Proven reliability for long-running, always-on systems

For organizations where downtime directly impacts revenue, safety or compliance, this offers confidence that systems will remain available and consistent.

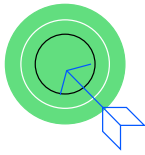


Reduced Total Cost of Ownership

By delivering a unified platform, development tools, database, application runtime and operational management, OpenEdge applications reduce reliance on multiple third-party components, which helps organizations:

- Lower software licensing and integration costs
- Reduce operational overhead
- Avoid ongoing re-engineering as technologies change

Over the lifespan of a business-critical application, this leads to significantly lower long-term cost compared to makeshift stacks.



Long-Term Application Evolution

Given that business applications are rarely short-lived, the platform is designed to support applications that evolve over decades—not years—by:

- Modernizing existing systems incrementally
- Adding web, API, cloud and SaaS capabilities without the need to rewrite core logic
- Extending proven applications as business requirements change
- Building on years of application reliability while incrementally introducing AI
- Preserving trusted business logic, data models and governance
- Extending existing systems with new features and revenue-generating capabilities

All of this protects prior investments, while enabling continuous innovation.

Which Audiences Is It Tailored for?

Ideal for organizations that depend on transaction-heavy, business-critical software, including:

01

Independent Software Vendors (ISVs)

ISVs who build and deliver cloud-ready, commercial software products that must scale reliably across many customers, such as SaaS offerings.

02

Enterprises with Core Operational Systems

Organizations running ERP, manufacturing, logistics, healthcare, financial or industry-specific systems require stability, performance and long-term support.

03

Regulated and Risk-Sensitive Industries

Industries like healthcare, finance, insurance and government benefit from built-in security, governance and operational resilience.

Common Use Cases

OpenEdge applications are most commonly used in environments where transactions, data integrity and uptime are business-critical. These are not experimental or peripheral systems; they are applications that organizations depend on every day to run operations, serve customers and generate revenue.

In this sense, they often act as the system of record, coordinating data, workflows and decisions across departments, partners and customers—making reliability, performance and stability essential.

Types of Applications Built on It

Enterprise Resource Planning (ERP) Systems

Build and run ERP software that manages core business functions like finance, inventory, procurement, production planning and order processing, which typically:

- Process high volumes of transactions in real time
- Enforce complex business rules and approvals
- Integrate with suppliers, partners and downstream systems
- Serve hundreds of thousands, even millions, of concurrent users

Because ERP systems sit at the center of daily operations, organizations rely on the platform for consistent performance, data accuracy and continuous availability, as transaction volumes grow with evolving business needs.

Manufacturing Execution Systems (MES)

Powers MES applications that track, control and optimize production on the shop floor to:

- Manage work orders and production schedules
- Track materials, equipment usage and labor
- Capture real-time production data and quality metrics
- Coordinate workflows across plants or production lines

These applications must operate continuously, often in 24×7 environments, and respond quickly to events. OpenEdge transactional performance and resilience make it well suited for systems where downtime can disrupt production or impact safety.



Supply Chain and Logistics Systems

Coordinates the movement of goods, information and payments across complex networks for:

- Order fulfillment and shipment tracking
- Multi-location inventory management
- Logistics, transportation planning and optimization
- Integration with carriers, warehouses and partners

These systems rely on real-time data accuracy and must scale to handle peak volumes, seasonal demand and global operations. The platform supports the consistency and reliability required to keep supply chains running smoothly.

Healthcare and Patient Record Systems

Supports applications where data integrity, security and availability are paramount, such as:

- Patient record and clinical management systems
- Scheduling and resource management programs
- Billing, claims and reimbursement functions

These applications often support regulated environments and must remain available at all times. The platform is trusted in healthcare scenarios where system outages or data inconsistencies can directly affect patient care and operational compliance.



Financial and Billing Applications

Manage billing, invoicing, payments and account management typically require:

- Accurate, high-volume transaction processing
- Strong consistency and auditability
- Integrated external financial systems
- Long-running, always-on operations support

For organizations where financial systems directly impact cash flow and customer trust, the platform provides a stable foundation for managing revenue-critical processes.

What It Delivers for Developers

The OpenEdge platform is designed to make developers more productive when building and maintaining complex, long-lived business applications. Rather than forcing teams to assemble and constantly update a collection of loosely integrated tools, it provides a cohesive development experience that's optimized for transactional systems and data-driven business logic.

An Integrated Development Experience

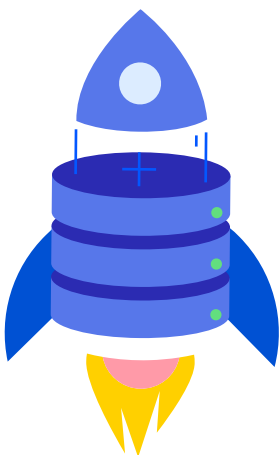
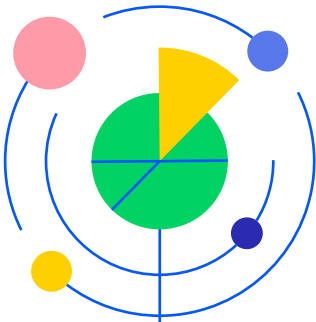
The single, integrated platform brings together application development tools, a purpose-built database and production-ready runtime. Because these components are designed to work together, developers spend less time managing infrastructure, configuration and integration, and more time delivering application functionality that supports real business processes.

Focus on Business Logic, Not Plumbing

Since it's optimized for expressing complex business rules, workflows and transactional logic, developers can work at a higher level of abstraction, modeling how the business operates rather than stitching together frameworks, databases and middleware to make basic functionality work.

This enables teams to:

- Build sophisticated, data-intensive applications with less custom infrastructure
- Maintain clarity and consistency in business logic over time
- Reduce the risk of errors introduced by fragmented technology stacks



Many OpenEdge applications are built and maintained by relatively small or specialized development teams supporting large, mission-critical systems, so it's tailored to maximize productivity in these environments by reducing ongoing maintenance overhead and minimizing the need for constant re-architecture as technologies change.

Developers benefit from:

- Faster onboarding to existing applications
- Easier long-term maintenance of mature systems
- Stable environment that supports incremental change

Why Organizations Choose It

Organizations choose Progress when they need more than a development tool, but one they can trust for the long term because it:

- Is purpose-built for business-critical applications
- Reduces complexity through an integrated architecture
- Delivers proven performance and scalability
- Supports modernization without forcing rewrites
- Lowers long-term cost and operational risk

Rather than constantly chasing new frameworks or reassembling technology stacks, teams can focus on what matters most—running the business and delivering value to customers.



The Platform In a Nutshell

The integrated, enterprise-grade OpenEdge application development system helps organizations build, run and evolve mission-critical business applications faster, more reliably and at lower long-term cost than assembling and maintaining a fragmented technology stack.

But don't just listen to us—consider the millions of users and thousands of businesses and developers who use OpenEdge applications every day.

OpenEdge by the Numbers

1,700+

Partners

5,000+

Business Applications

100,000+

Organizations

6M+

Application Users

Ready to Learn More?

Discover how the Progress OpenEdge platform helps organizations build, run and evolve mission-critical business applications with confidence.



Learn More

About Progress Software

[Progress Software](#) (Nasdaq: PRGS) empowers organizations to achieve transformational success in the face of disruptive change. Our software enables our customers to develop, deploy and manage responsible AI-powered applications and personalized digital experiences with agility and ease. Businesses of all sizes get a trusted provider in Progress, with the products, expertise and vision they need to turn AI disruption into a competitive advantage. Millions of developers and technologists at hundreds of thousands of organizations depend on Progress every day. Learn more at www.progress.com

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