

# Progress OpenEdge Replication and Replication Plus

DATA SHEET

## Highlights

- ✓ A comprehensive disaster recovery solution completely integrated into the OpenEdge platform
- ✓ Supports replication of OpenEdge databases in real time without coding
- ✓ Protects business-critical data from a single point of failure
- ✓ Improves both the availability and the performance of your OpenEdge application
- ✓ Supports read-only access to the database without overburdening the production database

## Overview

To effectively compete in today's digital economy, information and mission-critical applications must be available 24x7x365. Your end users and customers won't accept anything less. The impacts of unplanned downtime on the business include:

- **Bottom line** – Lost revenue or increased expense due to customers who have moved on or operations that cannot be completed.
- **Reputation** – Always-on represents a level of stability that users of all types seek—employees, customers, partners, vendors—anybody accessing your application.
- **Lost data** – Fundamental to business success, lost data not only impacts the ability to effectively manage the business but can result in compliance issues leading to fines and lost customers.

Having data replication as part of your data backup strategy improves your high-availability implementation and improves your systems resiliency and reliability. The target databases remain running throughout a failover transition which allows the transition process to finish faster, reducing database downtime and consequently, your application downtime. OpenEdge® Replication and Replication Plus also protect the potential loss of the database by automatically duplicating changes on the production database to a set of mirrored databases at hot standby sites.

## What It Does

OpenEdge Replication provides a set of automated tools and procedures to protect installations from potential outages by replicating a primary database to one or more remote, hot-standby destinations. Full integrity between the source and remote databases is guaranteed. OpenEdge Replication is completely transparent to the applications running on the platform.

The OpenEdge Replication Plus option provides increased functionality by also allowing reporting (i.e. read-only) applications to access the hot stand-by database thus reducing the load on the primary, production database.

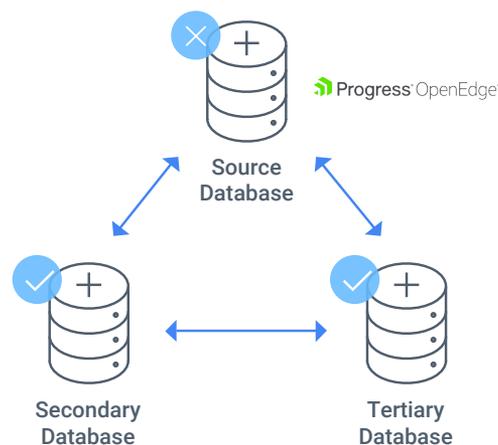
## Benefits

### Gain Peace of Mind with a Backup for Your Backup

Once installed and configured, OpenEdge Replication and Replication Plus are hands-off, fully automated solutions for database availability with less maintenance than competing solutions. The challenges of delivering access to mission-critical data 24x7x365 is mitigated, while eliminating the database as a single point of failure in the IT environment.

OpenEdge Replication utilizes a three-pronged failover approach with two back-up databases. Configured within the [OpenEdge Relational Database Management System \(RDBMS\)](#) for both automatic and manual recovery transition, it allows you to reduce response time to unplanned downtime and permits flexibility of ongoing maintenance in the production machine.

### Eliminate Single Point of Failure



Three-pronged failover

Configure automatic or manual transitions for unplanned and planned downtime

Included in OpenEdge Replication and Replication Plus

## **Resource Efficiency Means Increased Productivity**

OpenEdge Replication also provides online index activation giving the ability to add a new index to the schema on the OpenEdge database without shutting down the application. Indexes are conveniently added, and deployed at a later time without disruption to minimize downtime and improve productivity. Dynamic queries can make immediate use of these new indexes minimizing overall effort.

To maximize the performance of your production system, OpenEdge Replication Plus allows you to offload users who may unnecessarily be taking up valuable resources (e.g., running reports in a read-only fashion) to the replicated hot standby database. This allows you to increase the number of users able to connect without needing to restart the database to continuously support your growing customer base.

## **Compliance with Regulatory Agencies**

Government regulations have been enacted to ensure companies properly track and store data to protect the consumer. By minimizing the impact of potential outages, OpenEdge Replication and Replication Plus help to ensure data safeguards are in place and minimize any concerns of loss data.

## **Spectrum of Offerings for Increased Functionality**

For the highest level of protection against server outages, OpenEdge Replication products combined with OpenEdge clusters create redundant hardware, software, and databases that eliminate as many points of failure as possible.

Progress OpenEdge clusters are deeply integrated with the failover software specific to the underlying operating system and offer protection from a single point of failure at the server instance level. It provides two servers connected to your production database capable of accessing your data when necessary. You can predetermine how your resources should behave in case of failover, thus eliminating costly downtime while providing business continuity.



**“The resilience of IT systems and the overall continuity of business operations are paramount to serving customers and are increasingly becoming regulatory concerns. As more digital transformation occurs, this will only accelerate, requiring increased investment.”**

Source: **Gartner**

By utilizing the combined technologies, you are in control of what occurs during a failure and can better achieve your ultimate goal which is to minimize downtime. This is the foundation for a comprehensive and effective high availability strategy. Today, there is more pressure than ever for businesses to be always on and always available. The enterprise ecosystem has expanded to include customers, employees, partners, and suppliers - and all these stakeholders are demanding services be available 24x7x365. With this heightened demand for availability, businesses can't afford downtime. Every hour that systems are unavailable can significantly impact brand reputation, revenue, customer loyalty, and employee productivity.

OpenEdge Replication and Replication Plus is a licensed product and is a component of the [OpenEdge RDBMS Advanced Enterprise Edition](#), our comprehensive application production solution designed to manage today's intense database needs without compromising security.

OpenEdge Replication and Replication Plus is available with an upgrade and requires either a combination of an RDBMS license (Workgroup or Enterprise) and the corresponding license, or the Advanced Enterprise RDBMS license.

To learn how to incorporate this and other solutions to OpenEdge, [contact your account manager today](#).

# About Progress OpenEdge

Progress® OpenEdge® is the flagship application development platform that simplifies the delivery of enterprise applications. Used by more than 1,700 ISVs and 100,000 enterprises, OpenEdge powers mission-critical applications around the world.



## What's New in OpenEdge 12

[progress.com/openedge/whats-new](https://progress.com/openedge/whats-new)

## About Progress

Progress (NASDAQ: PRGS) offers the leading platform for developing and deploying strategic business applications. We enable customers and partners to deliver modern, high-impact digital experiences with a fraction of the effort, time and cost. Progress offers powerful tools for easily building adaptive user experiences across any type of device or touchpoint, the flexibility of a cloud-native app dev platform to deliver modern apps, leading data connectivity technology, web content management, business rules, secure file transfer, network monitoring, plus award-winning machine learning that enables cognitive capabilities to be a part of any application. Over 1,700 independent software vendors, 100,000 enterprise customers, and two million developers rely on Progress to power their applications. Learn about Progress at [www.progress.com](https://www.progress.com) or +1-800-477-6473.

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