



## **What's New in OpenEdge Pro2**



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# Preface

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## Purpose

This book briefly describes both new features and changes to existing features introduced in OpenEdge Pro2, and directs you to the product documentation, where you can find more detailed information about these changes.

## Audience

This book is primarily intended for Pro2 administrators and consultants who are using OpenEdge Pro2.

## Organization

- [What's New in OpenEdge Pro2 6.5](#) on page 11  
Describes the new features and other updates delivered in OpenEdge Pro2 Release 6.5.
- [What's New in OpenEdge Pro2 6.4](#) on page 13  
Describes the new features and other updates delivered in OpenEdge Pro2 Release 6.4.
- [What's New in OpenEdge Pro2 6.3](#) on page 17  
Describes the new features and other updates delivered in OpenEdge Pro2 Release 6.3.
- [What's New in OpenEdge Pro2 6.2](#) on page 21  
Describes the new features and other updates delivered in OpenEdge Pro2 Release 6.2.
- [What's New in OpenEdge Pro2 6.1](#) on page 23  
Describes the new features and other updates delivered in OpenEdge Pro2 Release 6.1.

## Documentation conventions

See [Documentation Conventions](#) for an explanation of the terminology, format, and typographical conventions used throughout the OpenEdge content library.





## Learn about OpenEdge Pro2

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Progress OpenEdge Pro2 is a data replication solution that makes data from your OpenEdge applications accessible. The Pro2 data replication solution removes the limits on connectivity without interrupting normal business operations or putting the transactional database at risk.

For efficient reporting and analysis, with Pro2 data replication, you create a channel for transferring data into a Microsoft SQL Server, Oracle, or a target OpenEdge database for efficient reporting and analysis. As your data is updated, it is replicated to your desired database in real-time. When your OpenEdge database and target databases are synchronized, you can use third-party reporting solutions to get up-to-date reports and business intelligence.

By using Change Data Capture (CDC), OpenEdge customers and partners can provide low-latency, near real-time replication of data to support not only traditional descriptive analytics but also predictive analytics, AI-driven decisions, and time-sensitive IoT events.

Pro2 offers a new, modern UX dashboard and Replication wizard, ensuring you'll be prepared for increasing demands for data access with expanded functionality and scalability for future growth.



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## What's New in OpenEdge Pro2 6.5

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OpenEdge Pro2 6.5 delivers the following enhancements:

- [View Running Status of Bulk Load](#) on page 11
- [Enhanced Mapping Page](#) on page 12

For details, see the following topics:

- [View Running Status of Bulk Load](#)
- [Enhanced Mapping Page](#)

### View Running Status of Bulk Load

The Pro2 bulk load process is used to load large amounts of data relatively quickly into target databases.

In this release, Pro2 provides an enhanced user experience by adding the **Bulk Load Running Status** pane on the **Run Bulk Load** page in the Pro2 web user interface. This pane displays the real-time status of the ongoing bulk load. In addition to the status of the bulk load process, granular data such as the number of tables successfully processed, left to process, or failed during bulk load is displayed on the status cards. The information on these cards is automatically updated every five seconds.

For more information, see "Bulk load with Pro2" in *Use Pro2*.

## Enhanced Mapping Page

The **Mapping** page dynamically loads the source and target tables for performing the mapping or unmapping operations.

Prior to this release, in tables with 100 or more fields, scrolling posed a challenge when selecting fields for mapping. Also, it was not possible to search the fields or provide a list of fields to be mapped on the target side.

The enhanced **Mapping** page enables Pro2 administrators and consultants to:

- Search for a specific field to handle field-level custom mapping.
- Provide a comma-separated list of fields to be mapped or unmapped.
- View all the mapped and unmapped tables or fields on a single page.

The enhanced **Mapping** page enables you to manage the mapping and unmapping operations in a more efficient manner. As a result, the mapping process is now significantly faster.

For more information, see "Mapping" in *Pro2 Web User Interface*.

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## What's New in OpenEdge Pro2 6.4

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OpenEdge Pro2 6.4 delivers the following updates and enhancements:

- [Improvements to Queue and Thread Reports](#) on page 14
- [Automated Migration from Pro2 5.5.x to 6.x](#) on page 14
- [Addition of Include DB Analysis Functionality to BulkLoad Process](#) on page 14
- [Option to Reset Repllogcheck and Statuscheck Control Records](#) on page 15

For details, see the following topics:

- [Improvements to Queue and Thread Reports](#)
- [Automated Migration from Pro2 5.5.x to 6.x](#)
- [Addition of Include DB Analysis Functionality to BulkLoad Process](#)
- [Option to Reset Repllogcheck and Statuscheck Control Records](#)

## Improvements to Queue and Thread Reports

In this release, Pro2 provides an enhanced user experience with the addition of three new reports to the web user-interface. Using these reports, you can manage the replication system efficiently and reduce the frequency of calls to Technical Support. Instead of writing Advanced Business Language (ABL) queries in the Pro2 editor to fetch the queue data, you can get the troubleshooting and report generating options in the Pro2 web interface. This feature primarily benefits users who are not experienced with ABL.

The following reports are added to the **Reports/Troubleshooting** menu option on the Pro2 web user-interface:

- **Get Replqueue List**—Lists the replqueue records with the `Not Applied` status. The report organizes the records by thread number, source table, and event date.
- **Get Table Configuration**—Generates a list of tables and the threads to which the tables are mapped. The report includes the flag values (yes or no) for the Gen Queue Records, Process Queue Records, and the Include/Exclude properties of the tables.
- **Get Table Activity Count**—Contains the replqueue activity count for a specific table or multiple tables from the source database. The three activity event types are: create, update, and delete records.

For more information, see "Reports/Troubleshooting" in *Pro2® Web User Interface*.

## Automated Migration from Pro2 5.5.x to 6.x

Prior to this release, migrating from Pro2 5.5.x to Pro2 6.x was an extremely time-consuming, manual process for the Pro2 consulting team, and cost considerably more than installing Pro2 6.x from scratch.

With the automated migration feature, Pro2 Administrators and Consultants can easily upgrade from Pro2 5.5.x to Pro2 6.x by loading the thread-level configuration along with the table and field mapping details using the Pro2 web user interface. As a result, all the manual steps related to the formatting of the `.ini` and `.map` file are automated and require no manual intervention in the migration process.

For more information, see "Upgrade-Pro2-5.5.x-to-6.4" in *Use Pro2®*.

## Addition of Include DB Analysis Functionality to BulkLoad Process

Pro2 now supports the **Include DB Analysis** functionality while running the bulk load process.

Pro2 Administrators and Consultants benefit from the addition of this functionality because it provides them the ability to read the database or table analysis file data and include or exclude the table data depending on the number of records. For example, they can bulk load only the tables that have over 100,000 records, or alternatively, bulk load only the tables that have fewer than 100,000 records. As a result, the bulk load process runs fast and efficiently.

For more information, see "Bulk load with Pro2" in *Use Pro2®*.

# Option to Reset Repllogcheck and Statuscheck Control Records

Pro2 now provides the following options to help Pro2 Administrators and Consultants reset the `ReplLogCheck` and `StatusCheck` control records from the `repl_control` table:

- **Reset Status-Check Alarm**—Resets the status check alarm to send alerts again if replication stops within the same day. By default, the `StatusCheck` procedure sends only one email notification per day.
- **Clear Log-Error-Alerts Daily-Limit-Counters**—Resets the value of the `LOG_ALERT_DAILY_LIMIT` property to blank. To set the daily limit on the replication log generation process again, create the `LOG_ALERT_DAILY_LIMIT` property and assign a value to it.

For more information, see "Reset alarms" in *Pro2® Web User Interface*.





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## What's New in OpenEdge Pro2 6.3

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OpenEdge Pro2 6.3 delivers the following updates and enhancements:

- [Download logs from the Pro2 web UI](#) on page 18
- [Enter database objects as a comma-separated list](#) on page 18

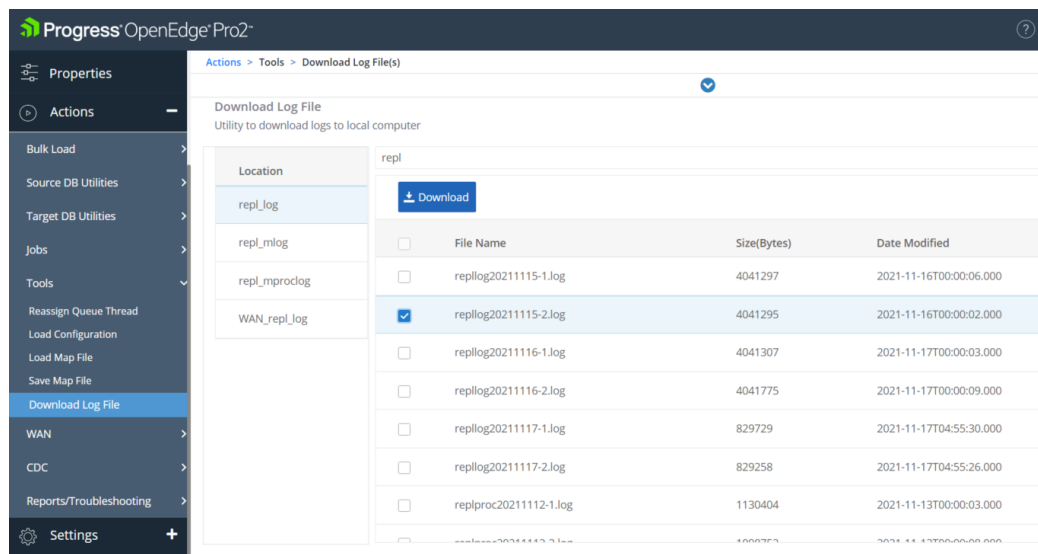
For details, see the following topics:

- [Download logs from the Pro2 web UI](#)
- [Enter database objects as a comma-separated list](#)

## Download logs from the Pro2 web UI

In Pro2 6.3, you can access the **Pro2 Log Download page** to download log files for each replication type and get a complete view of the replication process. You can remotely debug issues without logging into your Pro2 Instance machine, and also download the following:

- Replication logs
- Replication-CDC logs
- CDC logs
- Replication log-check logs
- Status check logs



## Enter database objects as a comma-separated list

In Pro2 6.3, with the new **Table List** function, you can enter the table names as a comma-separated list to map or unmap tables, fields, and CDC policies from the source and target databases. This function works by taking the table names as the input from the source database.

Replication > Mapping



Create Replication : Mapping Source to Target Tables

Note: Auto mapping requires selection of one or more source tables and manual mapping requires a 1:1 linking ( single source table or field to a single target table or field)

UnMapped Tables: sports

Search for table

☐ Source Tables

> ☐ Customer

> ☐ Invoice

> ☐ Item

> ☐ Local-Default

> ☐ Order

> ☐ Order-Line

> ☐ Ref-Call

Search for table

☐ Target Tables

> ☐ Customer

> ☐ Invoice

> ☐ Item

> ☐ Local-Default

> ☐ Order

> ☐ Order-Line

> ☐ Ref-Call

Map

Auto Map

Mapped Tables

Source Tables

Target Tables

> ☐ No Tables are mapped.

Enter Table List

Type or paste in the list of tables, comma delimited, to map or unmap.

Customer,Invoice,Item,Order,Order-Line

Map

Cancel

Un-Map



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## What's New in OpenEdge Pro2 6.2

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OpenEdge Pro2 6.2 delivers the following updates and enhancements:

- [Database migration](#) on page 21
- [CDC enhancements](#) on page 22
- [Bulk-load enhancements](#) on page 22

For details, see the following topics:

- [Database migration](#)
- [CDC enhancements](#)
- [Bulk-load enhancements](#)

### Database migration

To stay competitive, your applications need to run as close to 24/7 as possible. In some cases, you can only have downtime limited to 4 hours. This can make upgrading or migrating your OpenEdge database difficult, even with proper planning. With Pro2 version 6.2, you can migrate your OpenEdge database with minimal downtime. In this video, we show you how you can migrate with Pro2.

<https://www.youtube.com/watch?v=z6Oluo2enN4>

## CDC enhancements

In previous versions of Pro2, the CDC replication process converted CDC records to Pro2 `replqueue` records. This procedure increased the total time of the replication.

In Pro2 6.2, CDC replication records are consumed directly by Pro2, bypassing the need for the records to be converted to `replqueue` records.

The direct replication of CDC works on all Pro2 target database types: Microsoft SQL Server, Oracle Database, and OpenEdge. This enhancement also functions on both network topologies, LAN and WAN.

For more information, see [Use CDC with Pro2](#).

## Bulk-load enhancements

In previous releases of Pro2, bulk-load process used row-by-row transactional commits on target replication database.

In Pro2 6.2, the bulk-load process is optimized to directly generate native SQL INSERT statements and wrap multiple inserts into a single target transaction. This enhancement has improved the efficiency of the loading process. For table loads that run for days or weeks, this overall improvement can be dramatic.

Because the new bulk-load method is a Pro2-produced methodology, this new feature operates identically in both Oracle Database and Microsoft SQL Server environments, allowing Pro2 to provide wide transaction support in Microsoft SQL Server environments.

For more information, see [Bulk load with Pro2](#).

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## What's New in OpenEdge Pro2 6.1

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OpenEdge Pro2 6.1 delivers the following updates and enhancements:

- [Database schema changes](#) on page 24
- [Installation updates](#) on page 24
- [Enterprise View dashboard](#) on page 24
- [Job Scheduler](#) on page 24
- [Status Check improvements](#) on page 24
- [Web user interface enhancements](#) on page 25

For details, see the following topics:

- [Database schema changes](#)
- [Installation updates](#)
- [Enterprise View dashboard](#)
- [Job Scheduler](#)
- [Status Check improvements](#)
- [Web user interface enhancements](#)

## Database schema changes

The `repl.db` schema remains unchanged from 6.0. However, the 5.5 and 6.0 dashboard database, `ReplPerf.db`, has been deprecated in favor of a new database labeled `pro2`. This database resides only within the Pro2 installation folder and now holds configuration information as well as newer performance metrics.

## Installation updates

The Pro2 web application is now deployed using `.paar` files in place of `.war` files. The newer method eliminates installation issues encountered with different OpenEdge versions.

## Enterprise View dashboard

The Pro2 Enterprise View is a centralized dashboard that aggregates mission-critical data, reports, and metrics across all your Pro2 instances. From the **Enterprise View** dashboard, you can quickly access each of your Pro2 instances to manage and act on any reports or replications from the instance. The **Enterprise** dashboard utilizes a new database labeled `Pro2Ent` and does not require connectivity to any source or target databases.

For more information, see "Pro2 Enterprise View" in *Use Pro2*.

## Job Scheduler

The Pro2 Job Scheduler allows users to optionally discontinue the use of operating system-specific scheduler utilities like the Windows Task Scheduler. The Pro2 Job Scheduler works across all OpenEdge supported operating system infrastructures and provides a common interface for dealing with complex scheduling requirements.

For more information, see "How to schedule jobs in Pro2" in *Use Pro2*.

## Status Check improvements

Status check functionality was enhanced to monitor split threads and Enterprise Push program details.



# Web user interface enhancements

- The configuration for **LAN/WAN** was moved to the **Settings** Menu (**Menu > Settings > LAN/Wan**). This eliminates the perpetual prompting for this information in the **New/Edit replication** wizard screens.
- **CDC/Trigger update** is now integrated with the **Select Source** page in the **Manage Replication** wizard.
- All watch-box detail grids were modified to include **Clear All** functionality.
- Instance Dashboard improvements:

The dashboard and menu structure were modified to provide consistency with the **Enterprise View** dashboard. Additional performance graphs and CDC statistics are now available on the dashboard.

- Safari and Internet Explorer are now included in the list of supported browsers.

