ACCRUENT

LUCERNEX

DATAMART 5.0.29 RELEASE NOTES

October 9, 2020

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Release information

Release Version: 5.0.29
Release Date: October 9, 2020

Introduction

This document describes the features and functionality of the Lucernex DataMart 5.0.29 release.

Need help with installing or using DataMart?

For updated installation and usage procedures, please see the *DataMart User Guide* in the Lucernex Online Help.

> **Important!** For customers using a DataMart version older than 5.0.24, you will need to completely uninstall DataMart before installing the new version.
>
> If customers using a version newer than 5.0.24, follow the *Install a Minor DataMart Update* procedures in the *DataMart User Guide* found in the Lucernex Online Help.

DataMart version support

As of the DataMart 4.0.24 release, we will only be providing limited support to older versions of DataMart. We highly recommend upgrading to ensure that you have the most recent bug fixes and continued support from our staff.

If you need any assistance upgrading, please contact Accruent Support.

Ideas for improving Lucernex

We invite you to submit your product enhancement requests on the Lucernex Ideas page. The Ideas page is available in Accruent Access via the Ideas tab in the toolbar. Ideas you post can be viewed by both Accruent employees and other Lucernex customers. On the Ideas page you can:

- vote for or against an idea
- add and respond to comments
- view the status of an idea

Your ideas help us to understand what is important to our customers. Our product management team actively monitors the Ideas page and updates it when required. Contact Accruent Support if you have questions about the Ideas page.

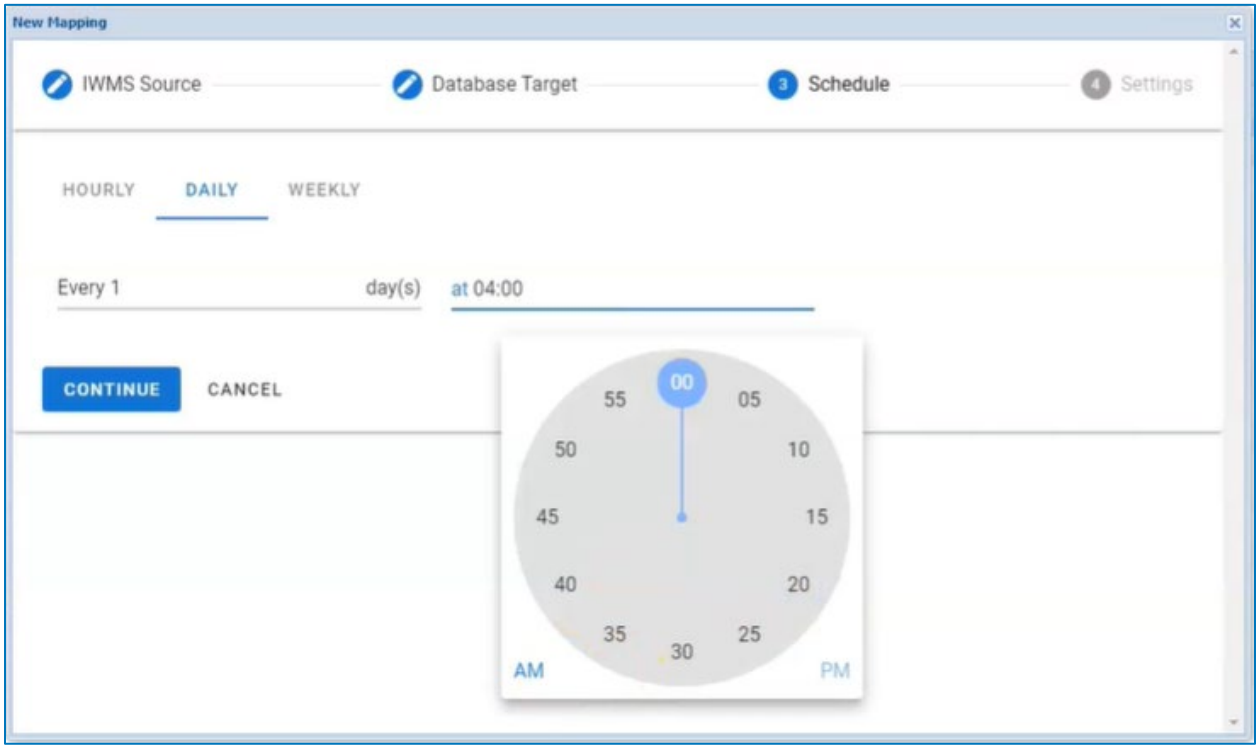
New features

The following sections describe the major enhancements delivered in this release.

New look and feel for Mapping Wizard

The **New Mapping** wizard and **Edit Mapping** window have been updated to have a new look and feel as well as improved usability. The wizard is now broken down into four steps:

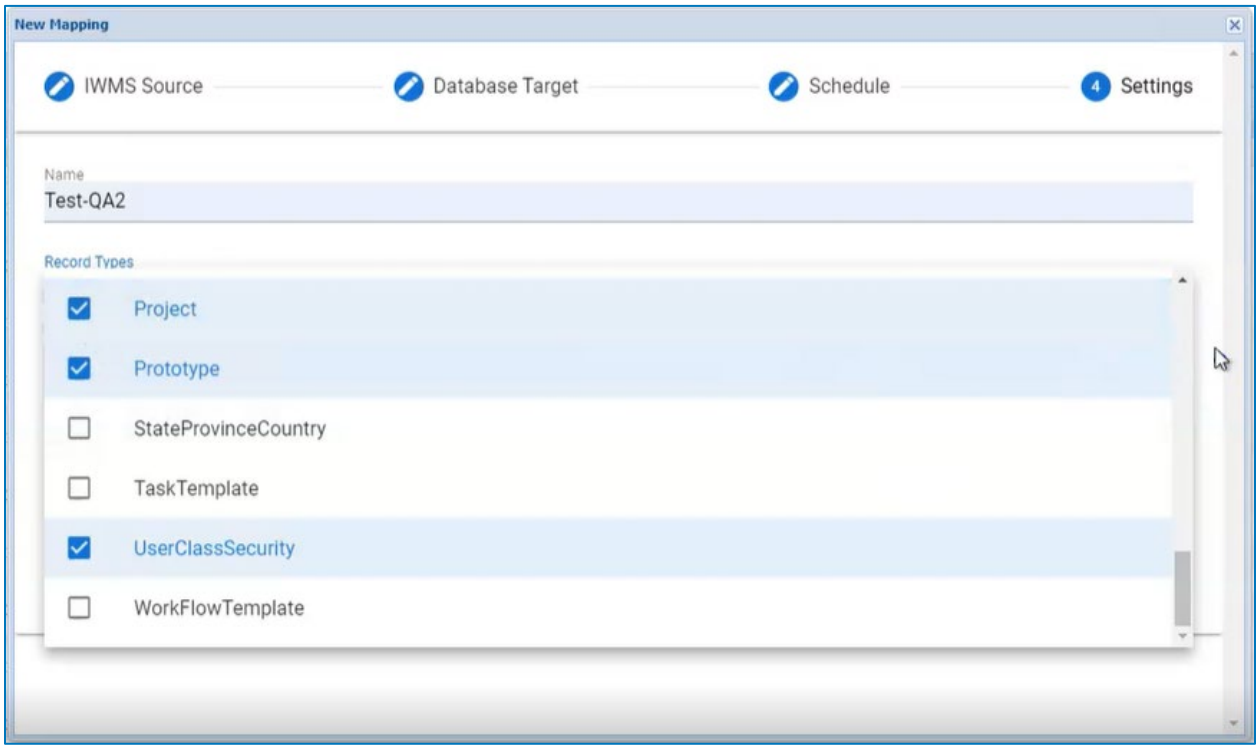
1. **IWMS Source** – where you enter your IWMS URL, firm, and IWMS user credentials
2. **Database Target** – where you enter your host, port, database name, instance, and user credentials
3. **Schedule** – where you enter the schedule information for your mapping
4. **Settings** – where you enter the mapping name, record types you want to pull, and set the **PGP Encrypt** and **Auto Schema** settings



New ability to create mappings for individual record types

Previously, you could not create mappings which were restricted to a single or multiple record types. Users wanted this ability because they might only be interested in a specific type of data, or they may have limited memory on their machine. You could do this by editing an existing mapping, but to avoid error you had to type the *exact* name of the record type in the **Record Type** field of the **Edit Mapping** window.

Now when creating a mapping, you can select one or more record types to pull from the **Record Types** field in **Step 4** of the **New Mapping** wizard. This enhancement eliminates the possibility of user error by no longer requiring the user to type the name of the record type. Additionally, it improves user experience by allowing users to enable this configuration when they initially create their mapping.



New setting to preserve order of table partition mappings

In 4.0.24, we introduced a feature that checks the number of fields which exist on a database table. If the maximum number has been exceeded, new fields are added to a subsequent table. This functionality is called table partitioning. Table partitioning is driven by the standard column quantity and row size limitations imposed by SQL server. When you run a full brush, DataMart reorders your columns alphabetically and then breaks the data into partitions.

However, some clients have SQL integrations written on top of DataMart which reference specific fields and their table locations. With the table partitioning feature introduced in 4.0.24, these integrations could be broken when a field was moved by DataMart to another table.

To resolve this issue, we have added a new setting which allows you to preserve existing mappings when you run a full brush. When you run a full brush, a dialog box will open. If you select the **Preserve table partition attribute mappings** check box, your existing mapping will be preserved, and any new fields will be added to the last table partition.

New property to configure schema mapping storage time

By default, DataMart now stores XML schema mapping files for two days after a run has been processed. These files are pulled from the IWMS and tell DataMart what data to pull from the system. They can be used for troubleshooting purposes if a DataMart run fails.

If you want to change the length of time that DataMart saves these files, change the **datamart.hbm.days** property in the **datamart.properties** file to equal the number of days the files should be saved. By default, **datamart.hbm.days**=2.

To learn how to modify your DataMart properties, see the *Configure DataMart properties* procedures in the *DataMart User Guide* found in the Lucernex Online Help.

Improvements to delta runs

In this release, if you have had one successful full brush and one successful delta run, any subsequent delta runs that fail will trigger a new delta run which starts from the point where the previous successful delta run completed.

New best practice recommendation for mappings

With the enhancement described above, we recommend that you do one of two things:

- Create mappings for *each* of type(s) record you want to pull and run them when you deem necessary, OR
- Create 1 mapping for *all* record types.

Do not modify a single mapping to change the types of records it includes. If you do, the next delta run *will not* pick up changes to records that occurred in the timeframe when those record types weren't included in the mapping.

Here is an example scenario:

1. On Monday, the mapping has Projects and Sites selected,
2. On Wednesday, the mapping has **only** Sites selected,
3. On Friday, the mapping has Projects and Sites selected again.

In this scenario, the third run will pick the time stamp from the run on Wednesday. This means if there are any changes for Projects between Monday and Wednesday, they will not be reflected in the database. Only changes between Wednesday and Friday will be reflected on Projects table.

Improvements and issues fixed

The following additional enhancements and fixes have been delivered in this release.

Component	Summary
General	Previously, users were unable to delete some XML files because DataMart believed the files were still open. You are now able to delete these files as expected.
Full Brush / Soft Brush	Some users were experiencing multiple error messages that suggested the user enable schema auto-updates. These error messages were impacting DataMart's performance. We have changed the circumstances where DataMart will suggest you enable schema auto-updates. DataMart will make this suggestion in two circumstances: 1. For Full Brush runs, DataMart will include the suggestion in the error log at the end of the run. 2. For Delta Runs / Soft Brush runs, DataMart will make the suggestion once as an error message at the beginning of the run.
Dashboard	When pulling a long-running record, DataMart now posts log events every 30 minutes to let you know that the record is still processing.
Delta Run / Soft Brush	We have improved our error messaging for delta runs.
Mappings	You can no longer schedule mappings by the minute.

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