



DATAMART 6.0.94 RELEASE NOTES

October 2021

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Contents

Release information.....	3
Introduction.....	3
Need help with installing or using DataMart?	3
DataMart version support	3
Ideas for improving Lucernex	3
New features	4
New support for running multiple parallel queries	4
New ability to store mapping information in SQL Server	4
Improved user interface in Update Mapping window.....	5
Improvements and issues fixed	5
Known Issues	6

Release information

Release Version: 6.0.94
Release Date: October 2021

Introduction

This document describes the features and functionality of the Lucernex DataMart 6.0.94 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! You will need to completely uninstall DataMart before installing the new version.

DataMart version support

We only support DataMart versions 6 and above. 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 support for running multiple parallel queries

We've now added a global property which allows you to change the number of DataMart queries allowed to be run simultaneously. This enhancement will improve performance for DataMart customers with a large dataset. There are three components to this feature: one that can only be modified by Support in your Lucernex IWMS environment, and two DataMart properties that you can modify yourself.

There are three scenarios that would be impacted by this setting:

1. **You have multiple queries running in the same instance of DataMart.**
2. **You have multiple instances of DataMart running and each instance of DataMart is attempting to run a query at the same time.** In this scenario, the total number of queries allowed cannot exceed the number specified by the setting.
For example, say you had 3 instances of DataMart running against your firm and the value of the setting was equal to 2. In this example, one of the three runs would fail as the aggregated number of concurrent queries exceeds 2.
3. **Some mixture of scenarios 1 and 2.**

To learn more about this feature, please see the *DataMart Supports Parallel Processing* section of the *DataMart User Guide* found in the Lucernex Online Help. If you'd like to use this feature, please contact your Accruent representative.

Important! Once this feature has been enabled, you will need to run a full brush to see performance benefits.

Note: This feature works with the table partitioning feature introduced in 5.0.29.

New ability to store mapping information in SQL Server

You now have the option to preserve your DataMart mapping information in a SQL Server database rather than the default Java-based hsqldb in-memory database. This mapping information includes things such as information displayed in DataMart's user interface, your execution events, and your mapping configurations.

There are three main benefits to enabling this feature:

1. Your mapping records will be preserved when upgrading to new DataMart versions,
2. You will see a reduction in memory use, and
3. SQL Server databases are more robust.

Important! If you configure DataMart to use SQL Server to store your mapping records, the mapping info that was stored via the in-memory database will no longer be available. You will have to recreate the mapping records in the new database.

To learn how to enable this functionality, see the *Configure Database Properties* section of the *DataMart User Guide* found in the Lucernex Online Help.

Improved user interface in Update Mapping window

We've made some changes to the **Update Mapping** window to make the user interface more user-friendly:

- The **Save** button now saves changes made anywhere in the wizard, not just the current tab.
- The **Save** button is now disabled until a change is made.
- If you click the **Close** button without saving your changes, DataMart will ask you to confirm your choice.
- The **Settings** step of the wizard now automatically adjusts when a long list of record types is added.

Improvements and issues fixed

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

Component	Summary
General	An error caused by the IWMS creating two definitions for the Subject form field for Request for Information forms no longer occurs.
General	DataMart is no longer failing with a SQL error.
General	The Sort function for mapping schedules now works as expected. To sort your mapping schedules, click the column header you want to sort by.
Configuration	<p>We added two new properties to the datamart.properties file:</p> <ul style="list-style-type: none">• datamart.connection.timeout This value defaults to 10 hours.• datamart.connection.url.properties <p>We also updated the following property:</p> <ul style="list-style-type: none">• datamart.database.dialect <p>To learn more about these properties, see the <i>Configuring DataMart > Configure DataMart properties</i> section of the DataMart User Guide found in the Lucernex Online Help.</p>

Component	Summary
Full Brush	If one or more records are not picked up by a full brush, DataMart will now fetch the missing records in a final query at the end of each record type. This is currently in place for all record types except Equipment Contracts, which will be coming in a future update.
Full Brush	<p>DataMart now limits you to 8 asynchronous queries. Any additional queries past this limit will be added to a queue. You cannot customize the limit for asynchronous queries.</p> <p>If a query is added to the queue, you will be informed by a message in the Execution Events table. Every 30 minutes until the query task begins execution, DataMart will remind you that the query is in the queue.</p>
Performance	We resolved an issue with thread leaks.
Performance	We made a small change to support less memory consumption by DataMart.
Performance	We enhanced our ability to prevent deadlocks occurring in DataMart.
Security	We enhanced security around general encryption.

Known Issues

The following known issues are in this release.

- You will see warnings in your operational and database logs about task template fields after a full run. These warnings are due to an upcoming feature in Lucernex whose database schema is currently being developed. Ignore these warnings; they will not have an impact on your DataMart runs.

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