Release Note

**Product: Cimera**

**Release: 4.2.19**

Date Released: 15/3/2016

Database schema version: 8.0.1

# Applies To

Upgrades from Release 3.8.9

Plug-ins and exits built for release 3.8.9 will need to be replaced with versions built for 4.2.19

# Description

### Highlights:

* + Upgrade server from .Net 1.1 to .Net 3.5. This additionally allows Cimera to be called from Powershell.
	+ Removal of Cimera’s CLI (Command Line Interface) - ability to use Powershell removes the requirement for this.
	+ Add support for separate Sql Server reporting database and new GUI feature to run queries against this database.
	+ User query results can now be presented as either a list (as previous), a grid or a chart. The grid and chart can be configured and the configuration saved with the query.
	+ User queries can now be published for use by other users.
	+ Dashboards added to Cimera – a dashboard is simply a collection of user queries that are to be executed and displayed as a single unit.
	+ Symbolics added to user queries. When the query is run the user is prompted to supply the value of a symbolic (or select a suitable item) and this value is then used in the query. This enables multi-purpose queries to be written and the criteria can be changed without needing to edit the query itself. Symbolics can be used to allow queries to be executed when right-clicking appropriate items.
	+ Editing of numeric fields is now handled differently, more closely replicating Excel behaviour. Previously it was not possible to type invalid data into a numeric field. Unfortunately as a side effect this caused problems when cutting / copying and pasting. Numeric fields now allow any characters to be entered and the field will instead show an error if invalid data is entered.
	+ When displaying / updating items fields were fixed at a max width of 500 pixels. This has now been changed so that fields can expand to the full width of the window
	+ Within the display / update item form sections may now be expanded and collapsed via buttons in their title bar. The process modeller can also be used to set the default for each section.
	+ Improved validation when linking items together to better enforce the minimum and maximum links
	+ New data and time symbolics have been introduced: SOMONTH, EOMONTH and SOWEEK representing first day of the current month, last day of the current month, Monday this week.
	+ New date modifiers MO (month) and Y (year) have been added and also data modifiers can now be chained together, for example EOMONTH+2MO+1 (last day of month plus two months plus 1 day – in other words if we’re now in April this will give 1st of July)

# Problems Resolved

# [Problem] PR-613 External Data Source not working on Win Vista / 7 / 2008 Server due to timezone

# [Problem] PR-664 CI Explorer - Simple Query does not take Bucket into account

# [Problem] PR-689 Forms are displayed on inactive screens meaning that they are not visible

# [Problem] PR-692 CQL parsing overly stringent with bucket and status

# [Problem] PR-693 stop <$ and >$ tags in history header being indexed

# [Problem] PR-694 Grid Export to Excel throws exception if cell size > 32767

# [Problem] PR-695 CQL not handling ambiguous fields properly

# [Problem] PR-696 "Item Type" field not shown in CQL dictionary

# [Problem] PR-697 Floating point fields not setting to correct mask length

# [Problem] PR-698 Binary and Hexadecimal fields not handled properly

# [Problem] PR-699 CAU problem when reusing cache object id.

# [Problem] PR-700 [OVERRIDES\_HOSTFORMSECTION] not being resolved correctly in a field rule causing an exception.

# [Problem] PR-702 Integer fields inconsistently handled as 32 bit / 64 bit

# [Problem] PR-703 Cimera Form size saving does not handle Maximised forms

# [Problem] PR-704 Update handler stops working on Cimera Main window

[Problem] PR-705 Update actions locking NAK but should not if no links being created

[Problem] PR-706 Boolean field control - not correctly detecting if changes made

[Problem] PR-707 Conditional Values does not allow setting field to null

[Problem] PR-708 Transaction log queries slow due to lack of indexing

[Problem] PR-710 Transaction log entries slow due to indexes being clustered for no good reason

[Problem] PR-711 Item queries slow for various reasons

[Problem] PR-712 Database import slow with large volume of data

[Problem] PR-713 Web browser control throwing interop exceptions and focus not working properly

[Problem] PR-714 Plugins not working if roaming profile is on a network drive

# Changes Included

# [Technical Change] ER-310 Allow 2 types of groups. Those that are for security purposes only and those that are for Workflow

# [Technical Change] ER-312 When disabling users allow if they own or are assigned items in final state

# [Technical Change] ER-314 Allow controls to expand widthwise when viewing items and links and form resized

# [Technical Change] ER-315 Allow form sections to be collapsed when viewing items / links (and enable this to be set as the default)

# [Technical Change] ER-319 Enable delete key to be used to remove relationships when editing an item

# [Technical Change] ER-320 Remove CLI (Command Line Interface) from client

# [Technical Change] ER-322 Add new date/time symbolics and add new modifiers

# [Technical Change] ER-323 Add Publishable User Queries

# [Technical Change] ER-324 Add Publishable Dashboards

# [Technical Change] ER-325 Add Symbolics to User Queries

# [Technical Change] ER-326 Change FieldControl\_Numeric handling

[Technical Change] ER-327 Change processing such that have to Create item before adding links to it

[Technical Change] ER-328 Add option to Process Modeller to allow administrator to check for items that violate minimum/maximum links (Item Integrity)

# Known Errors

[Problem] PR-701 When Querying for an Abstract Item Type the List results do not contain the Abstract Item Type's columns

# Installation

Download the 4.2.19 release install files from <http://www.propelsystems.com/private/dsl/_Cimera%20Installs/4.2.19>

*Follow the standard install / upgrade process in the Installation Guide*

<http://www.propelsystems.com/manuals/cimera/4.2/installationguide/>

Before starting the Cimera services perform the following checks / actions:

DB Schema

For this upgrade you will need to use Cimera Server Utilities to upgrade the schema of any existing Cimera databases four times to get from 5.2.0 to 8.0.1 (via 6.0.0, 7.0.0 and 8.0.0).

Config files

The server configuraiton files have changed quite considerably and they will need reviewing in conjunction with the Installation Guide. It doesn’t matter if redundant key-value pairs are left in, they will simply be ignored, but it is advisable to keep the config files as correct as possible

Full Text Index files

The full text indexing subsystem has been upgraded and the existing index needs to be deleted so that it can be rebuilt. Remove all files within the directory defined for the Cimera database(s) defined in Cimera Server Utilities as “Full Text Index Dir”

Reporting Database and Service

There is a new server configuration file for the Reporting Server service which will need to be edited appropriately.

For the new Reporting Database the users will need access from the client machines to the server running the Reporting Server service on port 8126 (or the port assigned if changed from this default port). Additionally the users will need access to port 1433 on the Sql Server server to be able to run SQL queries against the reporting database.

Before the Reporting Database can be used for the first time an appropriate Sql Server database must be created and then defined / built / enabled using Cimera Server Utilities (see Intallation Guide)

Plug-ins

New versions of any plug-ins (built against 4.2.19) will need to be copied to the plug-ins master directory on the server.

User query publishing

To enable query / dashboard publishing by non-admin users a new system role needs to defined using the Process Modeller:



Note that this system role can only be defined by the “System” user (USR:$SYSTEM) and if you do not currently have a userid associated with this user then you will need to do this first to be able to logon as System.

# Reversion

Stop the 4 Cimera Services.

Use Control Panel “Add / Remove Programs” to uninstall the following:

* Cimera Server
* Cimera Server Utilities
* Cimera GUI Client (if installed)

Restore the Cimera database(s). This may be via a database restore or, if an export taken via Cimera Server Utilities, via a reinitialise and import.

Restore the Cimera data directories (plugins, item library, full text index) from the backup taken.

Reinstall 3.8.9 – the packages can be downloaded from <http://www.propelsystems.com/private/dsl/_Cimera%20Installs/3.8.9>

*Follow the standard install process in the Installation Guide*

<http://www.propelsystems.com/manuals/cimera/3.8/installationguide/>

Remember to replace the server config files with the previously saved 3.8.9 version before starting Cimera.