

# Release Notes: GRANTA MI Version 10.0 Update 2

*July 2017*

Granta Design distributes regular updates for GRANTA MI major versions (Version 10.0, Version 9.0, and so on). GRANTA MI updates are cumulative – each update includes all previous updates – so you only need to install the latest one to get your system up to date. Updates typically contain performance improvements, bug fixes, and other minor improvements.

GRANTA MI update releases are distributed in two forms:

- As a full product installation package for new systems or for upgrades from MI Version 9.0 or earlier. This is installed from the installation media (*InstallationCD*) and includes all updates to date.
- As MSP patch files, for installing updates to existing MI Version 10 installations.

These Release Notes will help existing customers to understand what's in this update and whether they should install it. Installing an update is optional.

If you are installing this update release as a new install from the installation media (*InstallationCD*), please refer to your GRANTA MI release documentation for detailed server, client, and database requirements.

## How can installing this release help you?

This release includes over 90 bug fixes, performance enhancements, and minor improvements which improve the user experience of GRANTA MI version 10. In addition, you may want to update if your users have been affected by any of the specific issues listed below under *Usability improvements and bug fixes*.

## Usability improvements and bug fixes

### *Installation*

- A warning is now displayed in the MI:Viewer application installer to prevent MI:Viewer from being unintentionally installed in the default Web application root directory (C:\inetpub\wwwroot), as this can lead to problems in IIS.

**MI:Server**

- Improved performance when looking up Active Directory users during Notifications processing.
- Custom connection timeout settings are now respected when listing configuration databases in the MI:Server Connection tool, improving support for Availability Groups in a high availability SQL Server environment.
- Fixed some issues that caused spurious errors to be displayed when adding and removing databases in MI:Server Manager.
- When reloading databases in MI:Server Manager, the existing Database Security settings on the database are now preserved.
- Fixed a bug where a spurious log message appeared saying that some enabled modules were disabled.

**MI:Viewer**

- Fixed a bug where the 'Pass not applicable' option setting (specified in Settings>Search and Optimization Options) was ignored when searching on Equations and Logic attribute values.
- Items in Tabular "Linked Record" columns were not visible in MI:Viewer if the column had 'Show as link'=False set in MI:Admin. Now, the items are shown correctly as links when 'Show as link'=True, and as plain (unlinked) text when 'Show as link'=False.
- Fixed a bug where deleting a Comparison Chart when there were no records in the Record List could cause an error.
- Fixed a bug where the "Show full datasheet" / "Show summary datasheet" option was missing from the View menu when the datasheet contained no empty items (i.e. when every attribute for a record was populated).
- Fixed a bug where reordering tabular data rows after deleting a row resulted in an error.
- Better feedback when errors are detected on loading an FEA exporter.
- By default, the MI:Viewer application now has an Idle Timeout of one day when the Keep-Alive option is chosen in the MI:Viewer Configuration tools. Compared to the typical system default of 20 minutes, this will make MI:Viewer more responsive.
- The names of attributes omitted from Substitution calculations are now displayed more clearly.
- Resolved UI layout issues when performing some record version control operations.
- Some icons were missing on some browsers (for example, the Edit icon, the Functional Data icon). This is now fixed, and all icons should be present and correct on all browsers.
- Fixed a page header layout issue when viewing embedded media data.
- MI:Viewer Help: updated all the 'How-to' videos in the Help to MI version 10.

*'Export Data to Excel' feature enhancements and bug fixes*

- Improved performance when exporting data to Excel, especially where that data includes tabular metadata. Downloading and opening the output Excel file is quicker, and the files are smaller.
- Fixed a bug where exported data did not have the expected units. The units used when exporting data to Excel from MI:Viewer are now determined by the current MI:Viewer Unit System and the "Use absolute temperatures" setting (Settings>Application options).
- Excel templates generated via the 'Export Data to Excel' feature now correctly handle functional attributes with no data.

### **MI:Admin**

- Trailing spaces are now stripped from attribute names when attribute definitions are pasted into MI:Admin from Microsoft® Excel.
- Fixed a bug that could cause an error when editing numeric parameter values.
- Fixed a bug where clicking on a link in the application **About** box could result in an error on some browsers.

### **MI:Toolbox**

- Fixed a bug where records that were not in any subset were not shown in the Browse tree when 'No Subset' was selected.
- Clearer feedback when attempting to import an existing generic record when using a Replace conflict strategy.
- Fixed a bug where clicking on a link in the application **About** box could result in an error on some browsers.

#### *Excel Importer:*

- Fixed a bug where import would stop if an autoplacement record was not found.
- Improved error reporting when problems with Excel functions are detected.
- Fixed a bug where importing data via the Command-line Interface (CLI) resulted in an error when an Import Sequence worksheet import file included Excel formulas.
- Fixed issues that prevented import of complex data (functional data, Equations and Logic data, tabular data) to version-controlled records when using a "Replace Record" or "Replace Data" conflict resolution strategy.
- When using separate data and template workbooks, the named ranges in the template datasheet were not mapped onto the Data worksheet. This is now fixed.
- In the Excel Importer Toolbox plugin, fixed a bug where clicking the **Load** and **Edit folders** buttons while templates were loading could result in an application error. These buttons are now disabled while templates are loading.

#### *Excel Exporter:*

- Fixed a bug where record GUIDs could be incorrectly overwritten when using automatically generated Excel export templates.
- Changed the way ranges for series functional data are defined in generated templates so that, whether exporting actual data or an empty attribute, the number of defined and formatted ranges for series will now always be at least  $N$ , where  $N$  is the default defined in MI:Admin.

### **Remote Import**

- Fixed an issue where file upload failed when trying to upload multiple files simultaneously, for example, when multiple users were all creating multi-file text file jobs at the same time.

## Service Layer

This release of GRANTA MI includes Service Layer version 37.0, which contains some minor bug fixes and performance enhancements, but no significant new functionality; the Service Layer interface in this release is version 16/01.

- The Service Layer maximum request size is now set to 2 GB, rather than inheriting the IIS default. These settings can be further adjusted by changing settings in the Service Layer "Web.config" file. Note that, while the configured limit may be 2 GB, the system is unlikely to be able to handle gigabyte uploads.
- By default, the Service Layer now has an Idle Timeout of one day when the Keep-Alive option is chosen in the Service Layer Configuration tools. Compared to the typical system default of 20 minutes, this will make Service Layer more responsive.
- Resolved an issue which could cause the Service Layer to lose its connection to MI until restarted.
- Description and Target of Hyperlink data are no longer ignored by the DataImport service.
- Usage of the third-party AutoMapper library has been optimized for performance.
- Performance of the EngineeringData service, fetching available exporters, has been improved for Admin users.
- Performance improvement to Service Layer Browse service operation LocateRecordInTree().
- Service Layer Browse service operation GetLayouts() will now, for tabular attributes included in a layout, only include those tabular columns that are in the layout. The columns will also be in the order specified in the layout. Previously, all tabular columns were returned, and not in the order specified in the layout. This change affects all calls, even when made on released versions of the Service Layer Interface.

## System requirements for this release

See your GRANTA MI Version 10 release documentation for detailed server, client, and database requirements.

## Installing this release

For new installations or for upgrades from MI Version 9.0 or earlier, you should install this release from the *InstallationCD* as described in the *GRANTA MI Installation Guide*.

If you are updating an existing MI Version 10 installation, you should apply the update using the MSP patch files in the download package; see the document *Installing GRANTA MI Software Updates*, included in the update package, for step-by-step instructions, and information on any required hotfixes.

Note that the Service Layer cannot be updated via an MSP patch file. To get the latest version of the Service Layer, you must upgrade it using the GRANTA MI installer in the *InstallationCD*.

## Further information and contact details

More background on the features and benefits of GRANTA MI Version 10 is available at <http://www.grantadesign.com/products/mi/whatsnew.htm>

If you have further questions, please email Granta Support: [support@grantadesign.com](mailto:support@grantadesign.com)