Ansys GRANTA MI 2021 R1

GRANTA MI
Tabular Roll-up Module CLI

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1 Introduction

The Tabular Roll-up Module plug-in for GRANTA MI:Toolbox converts the data in a specified column of a tabular attribute to a single value using a roll-up rule, and uses this value to populate another attribute within the same record. It can run without the need for user interaction and this allows the Tabular Roll-up Module to run as a scheduled task. This document looks at how to run the Tabular Roll-up Module from the command line interface (CLI).

The Tabular Roll-up executable is located in the bin folder of the MI:Toolbox installation folder, typically:

C:\Program Files\Granta\GRANTA MI\Toolbox\bin\

To run the Tabular Roll-up Module plug-in from the command line, at the command prompt, type the following:

MIToolbox.Console.exe -plugin Granta.TabularRollup

The MI:Toolbox application should be closed before running a plug-in from the command line.

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2 Command-line arguments

The Tabular Roll-up Module requires a number of command-line arguments. Arguments containing spaces, colons, or equals should be double quoted e.g.

-logfile "C:\Users\ali.kim\Documents\roll ups\log file.txt"

Argument	Required?	Description
-plugin Granta. TabularRollup	Yes	Specifies the name of the plug-in.
-server <*servername*>	Yes	Specifies the hostname of the server where the GRANTA MI Service is hosted.
-dbkey <*key*>	Yes	The database key of the database into which the data will be imported.
-project <*filepath*>	Yes	The path of the template (project) file.
-help	No	Displays usage information for the application. If the plug-in is also specified, it will include the usage information of the specified plug-in
-nologo	No	Prevents the display of application information on startup.
-logfile <*filepath*>	No	The name and location of the log file. If omitted, no log file will be generated.
-loglevel <level>	No	Sets the verbosity of logging sent to the command window console. (Note that this setting has no effect on the contents of the log file). Permitted values (in order of increasing verbosity) are: ERROR, WARN, INFO, DEBUG, TRACE, ALL (case-insensitive). If omitted, the default value is INFO.
-stopOnError	No	If present, the process will stop when encountering a non-fatal error. If omitted, the process will continue when encountering a non-fatal error.

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3 Usage examples

```
MIToolbox.Console.exe -plugin Granta.TabularRollup
-logfile "C:\Documents and Settings\All Users\Documents\Console.log" -nologo
-server localhost -username "alex.chung" -password Password123
-domain ACMEFILES -dbkey MI_Training -stopOnError
-project "C:\Users\Public\Data\Tabular\Template1.xml"

MIToolbox.Console.exe -plugin Granta.TabularRollup -nologo -server localhost
-dbkey MI_Training -logfile "H:\Logs\Console.log" -project
"D:\Data\Tabular\Template2.xml"
```


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4 Error codes

The following error codes may help you to troubleshoot problems that arise when running MI:Toolbox plug-ins from the command line.

Code	Description
0	Success - Indicates successful execution of the MI:Toolbox console application.
1	Unspecified error - Indicates that an unspecified error was encountered.
2	Unhandled exception - Indicates that an unhandled exception was caught.
3	Invalid command-line option value - Indicates a problem with one of the specified command-line options (e.g. an option specifies a table or record that does not exist).
4	Syntax error in command-line option - Indicates a basic syntax error with one of the specified command-line options.
5	Could not load plugin - Indicates that the named plugin could not be loaded.
6	Plugin initialization error - Indicates an error during the initialization phase of the plugin, typically caused when trying to validate an option against data in a database (e.g. a database specified by a particular dbkey may not exist).
7	Cannot open the log file - Indicates that the log file could not be opened.
8	Plugin found no work to do - Indicates that the plugin initialization found nothing to import/export
1100	Failed to establish a connection to an MI:Server - Indicates that a connection to an MI:Server instance could not be established.
1110	No default database available - Indicates that the server does not have a default database, or the default database is unavailable.
1111	No such database - Indicates that the specified database does not exist on the server, or is otherwise unavailable (e.g. due to access control).
1112	Failed to retrieve database - Indicates that the specified database could not be retrieved from the server.
1120	No such record - Indicates that the record does not exist on the server, or is otherwise unavailable (e.g. due to access control).
1121	Failed to retrieve record - Indicates that the specified record could not be obtained from the server.

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Code	Description
1122	Multiple records matched - Indicates that multiple matching records have been found that satisfy criteria intended to identify a single record.
1130	No such subset - Indicates that the one or more specified subsets do not exist or are otherwise unavailable on the server (e.g. due to access control).
1140	No default table - Indicates that the database does not contain a default table, or the default table is otherwise unavailable (e.g. due to access control).
1141	No such table - Indicates that the database does not contain a default table, or the default table is otherwise unavailable (e.g. due to access control).

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