

## MTrans

### Overview

The MTrans module is an additional module for WorkOut 2.5 which includes the "Group Data" transform.

The "Group Data" transform allows table data to be imported into Unknown groups of a new output matrix. Essentially, the transform creates a placeholder matrix where table data can be imported into for further analysis.

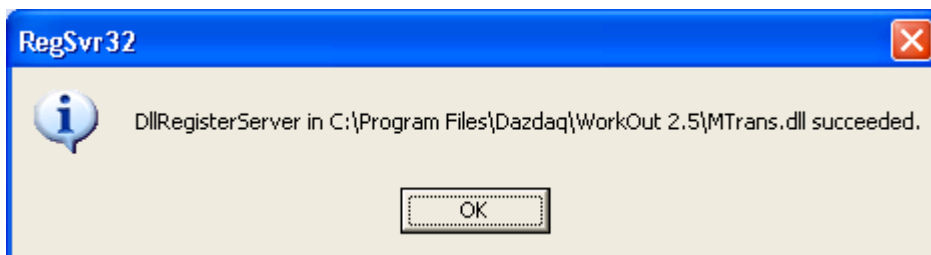
### Installation

1. Download and unzip the DLL to WorkOut 2.5 installation folder, this is typically c:\Program Files\Dazdaq\WorkOut 2.5
2. The module must then be registered: Using an account with administrator privileges, from Start | Run, type or copy and paste the following:

**regsvr32 "c:\Program Files\Dazdaq\WorkOut 2.5\MTrans.dll"**

(Modify the path as required)

3. A message box should be displayed confirming that this operation has succeeded i.e.



If this fails, then check that your log on account has administrator privileges and try again.

### Using

To add the "Group Data" transform to an existing protocol file:

1. Open the APR file for editing (i.e. right-click on it and select Edit)
2. In the Transforms quadrant, press Edit.
3. Press Create to create a new transform. Make a note of the transform number (the first transform in the list is number 1)
4. Select "Group Data". (Note, "The page not displayed" message will appear - this is because there is currently no help page for this transform) Press OK
5. Specify settings for the output matrix (i.e. the target for the data which will be imported).
6. Press OK and add any further transforms.
7. Press OK to save the changes to the protocol and close the protocol editor.

When launching the protocol, table data arguments can be used to import data from a file into the place holder matrix defined by the transform. (If the protocol is used without importing any table data, then the value for each Unknown group in the Group Data matrix will be set to 1.)

For example, the following command line arguments can be used (as part of the full command line) to import the data from "data.txt" into the 3<sup>rd</sup> transform using the "basic list" import script.

```
/IMPORT:trans3 "C:\groupdata\basic list.mis" "C:\groupdata\Data.txt"
```

Multiple files can be imported into different transforms, for example, here data is imported into the 3<sup>rd</sup> and 4<sup>th</sup> data file.

```
/IMPORT:trans3 "C:\groupdata\basic list.mis" "C:\groupdata\Data.txt" /IMPORT:trans4  
"C:\groupdata\basic list.mis" "C:\groupdata\Data2.txt"
```

Note, that these arguments here form only part of the full command line. In addition to these arguments the command line will typically specify the protocol file to used and optionally a raw data file and import script.

To help building up the command line, the **Command Line Launcher** tool can help by providing a user interface for picking files to use. This is available at <http://www.dazdaq.com/view.php3?code=DQ244>

An important point to note is that Windows imposes a limitation on the command line argument, the number of characters in the command line argument cannot exceed 255. This can be circumvented using the @ option as defined here <http://www.dazdaq.com/view.php3?code=DQ050>, however this complication can be avoided by storing all data files in a folder with a short path, such as "c:\groupdata" rather than a typical Windows folder such as "C:\Users\My Name\Documents\My Assays\Results\My Protocol"