

GSEOS 6.0 Interface changes

There are some interface changes between GSEOS 5.2 and GSEOS 6.0. If you have used GSEOS 5.2 on previous projects this list will help you to quickly get up to speed with GSEOS 6.0. While most interfaces remain the same there are a few changes. The most obvious changes will be in your custom Python code. Please refer to the list below to adjust your scripts accordingly.

Screens

Numerical Data Items

Data items are truncated if they don't fit into their assigned area. In 5.2 and earlier the font got scaled down. So if there is not an exact match for the font on the old and new system the number of elements displayed might be truncated. You can see the number of displayed elements when the mouse hovers over the item. You can either assign a smaller font or resize the item rectangle to display the original number of items.

Bargraphs

Bargraphs are not freely scaled as in 5.2 but they take on a discrete size, depending on the number of elements displayed. This might cause a different size of the bargraph display. If you display more elements than pixels available 6.0 will truncate the number of elements displayed, similar to numerical items. In 5.2 elements were dropped out of the display at even intervals.

Window Frames

GSEOS 6.0 does not support the 'caption-less' window style. There is a work-around that can give you similar results. Overlap the captions of the windows you want to hide with windows that are above these windows. To hide the captions of the windows at the very top of the desktop page scroll the desktop page so that the captions just disappear. The reason we don't support the caption-less window style is that many window managers don't support this and the screens will be laid out differently for different systems.

Python Interface

In general all Gseos modules have the prefix Gseos (Gseos, GseosRecorder, GseosNet, GseosCmd, etc.). Typically classes within modules have the same name as the module (minus the Gseos) and are prefixed with the letter 'T'. So for example the Decoder class can be found as: GseosDecoder.TDecoder.

- Block.send() renamed to Block.SendBlock()
- GseosCmd.PlaySound() moved to Gseos.PlaySound()
- GseosCmd.send() replaced by GseosCmd.ExecCmd()
- GseosCmd.msg moved to module Gseos and renamed to Gseos.Message(). The arguments remain the same, except that all the constants like MSG_ERROR, etc. are also moved to Gseos:
Gseos.Message("Sample Message" Gseos.MSG_INFO, "Sample")
- GseosCmd.batchstart() renamed to GseosCmd.BatchStart()
- Module Monitor has been renamed to GseosMonitor, also the Monitor class has been renamed to TMonitor.
- Module Decoder has been renamed to GseosDecoder, also the Decoder class has been renamed to TDecoder.
- Module Gseosys has been deprecated. The public functions have been moved to module Gseos
- Module GseosUI has been deprecated. The functions have been moved to module Gseos. The functions have been renamed to WindowMove(), GetWindowPos(), GetWindowSize().
- Modules Conversion and GseosConvert have been deprecated, all functions and attributes have been moved to the module GseosConversion.
- The GseosBlocks.Blocks dictionary now has the block objects as values. So instead of writing
GseosBlocks.Blocks['MyBlock'].Block you simply can write
GseosBlocks.Blocks['MyBlock'] to access the block object. The EnableSelect attribute has been moved into the block object itself and is now accessible as bEnableSelect. The block attribute ctItems which was a dictionary of only the scalar items of a block has been changed to be a tuple of all (scalar and array) item names of the block.
- Module GseosEvent has been deprecated. The functions have been moved to module Gseos. The only event that was

supported have been changed from SHUTDOWN to EVENT_SHUTDOWN and is defined in the Gseos module as well.

- The signature of Gseos.FileMenu has changed! Below is the new interface:

```
# ***** #
# * FileMenu() * #
# * * * #
# * Register or unregister a filter from the Gseos file handling. * #
# * You can register for all supported file modes: New, Open, Append, * #
# * SaveAs. If the user selects the specified file type your callback * #
# * function will be called with the file name and the mode selected. * #
# * * #
# * Parameters: fCallback: The callback function should take two * #
# * parameters: fCallback(strFile, wMode) * #
# * Where strFile is the file name the user * #
# * selected and wMode is one of the file * #
# * modes specified in the flags parameter. * #
# * strFilter: The filter, the actual extensions should be * #
# * in parentheses with a descriptive text before * #
# * that: "Python Modules (*.py; *.pyd; *.pyc)" * #
# * If multiple extension are provided they must * #
# * be separated by semicolon (;). * #
# * wFlags: Specifies the file mode to register for. * #
# * If this parameter is 0 this filter is removed. * #
# * wFlags can be one or more of the following * #
# * constants: * #
# * REG_FILENEW: Register for File/New * #
# * REG_FILEOPEN: Register for File/Open * #
# * REG_FILEAPPEND: Register for File/Append * #
# * REG_FILESAVEAS: Register for File/SaveAs * #
# * REG_FILEPRINT: Register for File/Print * #
# * wPriority: Optional, specifies the order in the list. * #
# * Smaller numbers occur further up in the list. * #
# * You should not install your custom filters * #
# * in front of the standard GSEOS file types. * #
# * If you don't specify this parameter the * #
# * filter is appended at the end of the list. * #
# * * #
# * Returns: None * #
# ***** #
```

- Module GseosSys has been deprecated. Methods of GseosSys have been moved to module Gseos.