
Subject: New Go4 v2.8

Posted by [Jörn Adamczewski-Musch](#) on Thu, 23 Sep 2004 14:27:06 GMT

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Dear Go4 users,

the new Go4 version 2.8-0 (build 20800) is available now!

Inside gsi, you can select this version by

"`. go4login pro`" or just "`. go4login`"

This command selects Go4 version 2.8-0 with ROOT 4.00/08

and Qt 3.1.1. A rebuild of the user analysis (make clean all) is necessary.

Go4 versions available by "`. go4login xxx`" are now:

"new" = v2.8-0 (ROOT 4.00/08, Qt 3.1.1. , with future bugfixes)

"pro" = v2.8-0 (ROOT 4.00/08, Qt 3.1.1. , from release tarball)

"old" = v2.7-0 (ROOT 4.00/04, Qt 3.1.1.)

Please see "`. go4login -h`" for complete list.

For installation outside gsi linux cluster,

the complete Go4 framework v2.8 is downloadable as tarball

at the Go4 website <http://go4.gsi.de>.

New features in Go4 v2.8 (Sep04)

1. Marker editor in view panel allows for marking channels or windows. Labels and arrows can be created. All marker elements can be saved/restored.
2. New ROOT graphical editor can be called from view panel. The editor dynamically adjusts to the graphical object selected by LMB.
3. Viewpanel window title: can optionally be set by user and may be kept constant. If a TGo4Picture is displayed, the picture name defines the viewpanel title.
4. Condition editor: the cursor mode has been removed because the functionality is now provided by the markers
5. Condition, markers and labels: Implemented correct root streamer (bugfix), i.e. saving and loading these objects in root files is possible with fully recovered functionality and graphical properties. Support of pad display in lin/log scale (bugfix). Additional controls in RMB menu root (set ranges, location, save default properties, reset). Default label setup stored with go4 GUI settings.
6. Polygon condition: Implemented statistics functions for work histogram under the cut (integral, mean, rms, etc.).

Enabled "InsertPoint/RemovePoint" function in RMB menu (bugfix).

7. Fit GUI: Selection between sigma and FWHM (default) by Settings->Recalculate gauss width. Fit results may be printed to terminal or Go4 logfile output.

8. 1D drawing: ROOT "L" (line) "C" (curve) "B" (bar chart) "P0" (poly-marker) line styles supported.

9. Histograms: re-binning, projections, and profiles supported (standard ROOT methods with RMB). Automatic "synchronize with memory" on pad click to get newly created histograms.

10. Histogram client: monitoring implemented (auto-update). Drag and drop support. Display error message when server connection is not available (bugfix). Store server specification in Go4 settings.

11. File store: Storing objects into a ROOT file a title is prompted. This title can be seen in the Go4 browser and the ROOT browser.

12. UserObjects folder: With AddObject(...) histograms, parameters and conditions can be put into folders of the UserObjects folder. They can be located there by the standard Get methods, e.g. GetHistogram. Editors work also with objects in these folders. Note: object names must be unique!

13. Log window: Empty messages are now suppressed (bug fix).

14. QtROOT interface: bug fix concerning initialization order of X11 system (ROOT init now before Qt init). Lead to crash of the main gui on newer linux systems when using Qt versions > 3.1 (FEDORA2, SuSe9.1)

15. Thread manager: bug fix: adjusted default exception handling to work with newer libpthread.so that uses one process for all threads (e.g. FEDORA2). This lead to a crash when go4 threads were canceled (shutdown of the go4 GUI).

16. Analysis Framework: bug fix: analysis without analysis step (UserEventFunc only) again possible.

17. Client startup script: full PATH and LD_LIBRARY_PATH of the Go4 GUI environment is passed to the analysis process.

Please contact us in case of trouble;
requests and bug reports are welcome!

Best regards,

the Go4 developer team

Subject: Re: New Go4 v2.8
Posted by [Shitov Yuriy](#) on Thu, 21 Oct 2004 09:10:06 GMT
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Can't download tarball, because ftp.gsi.de is dead...

```
[shitov@borlin34 ~/2a]$ ping ftp.gsi.de
PING clri6e.gsi.de (140.181.96.71) from 10.2.0.174 : 56(84) bytes of data.
```

```
--- clri6e.gsi.de ping statistics ---
4 packets transmitted, 0 packets received, 100% packet loss
[shitov@borlin34 ~/2a]$ ping ftp.gsi.de
PING clri6e.gsi.de (140.181.96.71) from 10.2.0.174 : 56(84) bytes of data.
```

Subject: Re: New Go4 v2.8
Posted by [Jörn Adamczewski-Musch](#) on Thu, 21 Oct 2004 13:00:28 GMT
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Hallo Yuriy,

thank you for reporting this problem, I was not aware of this.

I'm sorry for the inconvenience, but we had some problems with our standard ftp server machine. It was shut down yesterday and might not be available for several days.

For the time being, I moved most of the Go4 download data to another http address. The newest tarball should be available again from
<http://www-linux.gsi.de/~go4/download/go4.php>

Just be careful to select the "Save as" option in your browser dialog after clicking the link, since now it's an http service and not ftp anymore.

Please let me know if there should be any other problems with the go4 download area.

Best regards,

Joern
