GemStone®

Visual Statistics Display (VSD) Release Notes

Version 4.0.2

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PATENTS

GemStone software is covered by U.S. Patent Number 6,256,637 “Transactional virtual machine architecture”, Patent Number 6,360,219 “Object queues with concurrent updating”, Patent Number 6,567,905 “Generational garbage collector with persistent object cache”, and Patent Number 6,681,226 “Selective pessimistic locking for a concurrently updateable database”. GemStone software may also be covered by one or more pending United States patent applications.

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Chapter 1

VSD 4.0.2 Release Notes

Overview

Visual Statistics Display (VSD) version 4.0.2 is a new version of the VSD product. This is a maintenance release containing several minor features and bug fixes.

These release notes include changes since VSD version 4.0.1.

This version of VSD, like previous versions, supports statmonitor files generated from:

- All versions of GemStone/S 64 Bit through v3.2.6
- All versions of 32-bit GemStone/S
- All versions of GBS through v7.6.1

Statmonitor files generated by later versions are very likely to work, but have not been tested.

Supported Platforms

Platforms for Version 4.0.2

VSD version 4.0.2 is supported on the following platforms:

- Windows 7, Windows 2008 R2, and Windows 8
- Solaris 10 and 11 on SPARC
- Solaris 10 on x86
- AIX 6.1, TL1, SP1, and AIX 7.1
- Red Hat Linux ES 6.1, 6.4 and 6.5; Ubuntu 12.04; and SUSE Linux Enterprise 11 Service Pack 3, on x86
- Mac OSX 10.6.8 (Snow Leopard), with Darwin 10.8.0 kernel, on x86

Changes in this Release

Ability to set background color

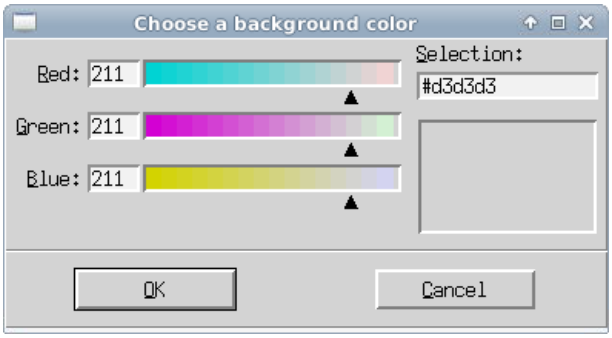
When running multiple instances of VSD, it can be helpful to be able to distinguish the VSD charts belonging to different instances. To support this, you may now select the background color of the VSD instance. Once selected, all VSD windows for that VSD instance will display this color.

Setting a master background color changes the window background, which ordinarily is a light gray, and process lists, fields, and graphs which ordinarily have a white background.

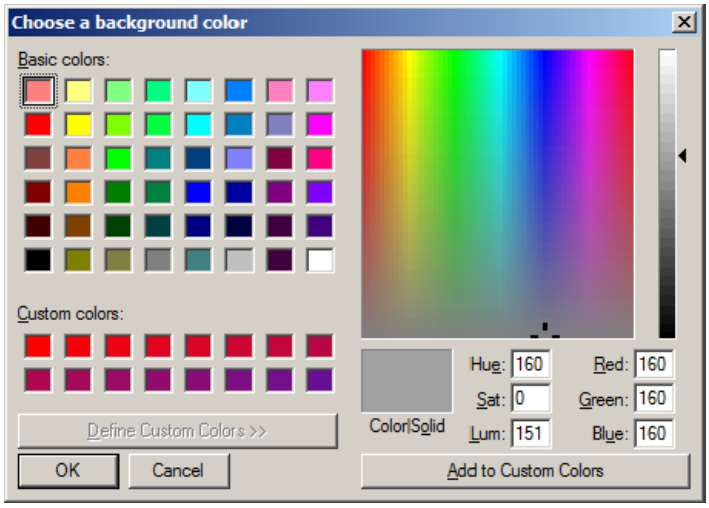
The color may be set in a number of ways:

- the **Choose a background color** dialog, which can be opened using either by <control>b or by using a new menu item on the main window, **Main >> Set Master Background Color...**

  On UNIX platforms:



  On Windows:



- using the **-b** argument to the vsd executable. In addition to accepting a RGB hex color value, you may also use a TK symbolic color name.

  TK color names and RGB values are provided here:

  http://www.tcl.tk/man/tcl8.4/TkCmd/colors.htm

  TK provides over 750 color names describing over 500 unique colors.

- setting the environment variable VSD_MASTER_BG_COLOR to a hex RGB value or to a symbolic color name.

Note that the background color is intentionally **not** saved to the .vsdconfig file, since it is intended as a way to distinguish different instances of VSD on the same machine, rather than as a configured color for VSD in general.

Ability to copy statistics value from a graph

When viewing a statistics graph in a Chart Window, you can now copy the Y value at a particular point to the clipboard. To do this, the cursor must be on a point in the chart; use the right mouse button to pop up a menu item "Copy Y value".

Double-click on file in load dialog truncated file

When running statmonitor using Windows as an X-terminal for VSD running on UNIX, if you double-click on the filename in the "Load Data File..." dialog, the statmonitor data was truncated. (45048)

Values that exceed 64 bit force associated statistic to 64 bit

When a statistic value that is written to statmonitor is larger than 2^{32}, but the associated statistic as defined within that version of vsd was not 64 bit, the results were not correct. Now, if a number over 2^{32} is read, that statistic is promoted to 64 bit on the fly and will display correctly.

Color for live monitoring changed

The color that indicates live monitoring has been adjusted to a darker, more readable shade of green.