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*GemStone*®



# Visual Statistics Display (VSD) Release Notes

**Version 5.4.2**

November 2019



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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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# VSD 5.4.2 Release Notes

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## Overview

Visual Statistics Display (VSD) version 5.4.2 is a maintenance release of the VSD product. v5.4.1 was a limited distribution release; these Release Notes includes all fixes in both 5.4.1 and 5.4.2.

In addition to bug fixes, there are additional statistics definitions, for statistics added in recent server releases.

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

- ▶ All versions of GemStone/S 64 Bit™
- ▶ All versions of 32-bit GemStone/S
- ▶ All versions of GemBuilder™ for Smalltalk (GBS)

## Supported Platforms

VSD version 5.4.2 is verified and supported on the following platforms:

- ▶ Windows 7, Windows 2008 R2, Windows 8, Windows 10, and Windows 2012
- ▶ Solaris 10 and 11 on SPARC, and Solaris 10 on x86
- ▶ AIX 6.1 and AIX 7.1
- ▶ Red Hat Linux ES 6.4, 6.5, 6.7, 6.9, 7.1, and 7.4; Ubuntu 14.04 and 16.04; SUSE Linux Enterprise 12, on x86
- ▶ OS X 10.11.2 (El Capitan)/Darwin 15.2.0, OS X 10.12.6 (Sierra)/Darwin 16.7.0, and OS X 10.13.2 (High Sierra)/Darwin 17.3.0, on x86

## 32-bit VSD executables no longer distributed

32-bit VSD executables are no longer generated or distributed with GemStone/S 64 Bit releases nor as independent downloads. All VSD executables are now 64-bit.

With VSD v5.4 and GemStone/S 64 Bit v3.5, the 32-bit executables VSD executables were generated and available, but deprecated.

## Changes in this release

A number of statistics definitions have been added, to support cache statistics added in unreleased versions of GemStone/S 64 Bit.

### **VSD command line cannot load files containing '-h' or other arguments**

If a filename passed in on the vsd command line contains the character sequence '-h', '-H', '-v', or '-V', it is interpreted as the command line argument for the help screen or version information, and VSD does not start. (#48316)

### **Loading a truncated, gzipped statistics file crashes VSD**

If a gzipped statistics file being loaded into VSD is truncated, VSD did not handle the error from the gz function correctly, and crashed with a SEGV. (#48393)