
GemStone®

GemStone/S 64 Bit Release Notes

Version 2.2.5.3.2

May 2009

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PATENTS

GemStone is covered by U.S. Patent Number 6,256,637 "Transactional virtual machine architecture", Patent Number 6,360,219 "Object queues with concurrent updating", and Patent Number 6,567,905 "Generational Garbage Collector". GemStone may also be covered by one or more pending United States patent applications.

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Overview

GemStone/S 64 Bit 2.2.5.3.2 is a new version of the GemStone/S 64 Bit object server. This release fixes several critical bugs; details of the changes are provided in this document.

These release notes provide the changes between the previous version of GemStone/S 64 Bit, version 2.2.5.3.1, and version 2.2.5.3.2. If you are upgrading from a version prior to 2.2.5.3.1, please also review the release notes for each intermediate release to see the full set of changes.

No separate Installation Guide is provided with this release. For installation instructions, use the Installation Guide for version 2.2.5.2.

Bugs fixed

The following bugs have been fixed since GemStone/S 64 Bit version 2.2.5.3.1:

GBS errors on large traversals

GBS 7.2 and above only

When GBS performed a GciStoreTravDoTravRefs call with more than 2034 dirty server objects, internal code reading from a bitmap only read the first 2034 OOPs. This caused GBS to temporarily lose synchronization with the server. This could result in GBS errors and/or incorrect object state. (#39853)

Cache warmer gem exited with crash

AIX only

The last cache warmer gem to exit may have crashed due to an internal computed integer overflow. (39695)

