
GemStone®

GemStone/S 64 Bit™

Release Notes

Limited Distribution
Special Release

Version 2.2.6.5

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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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GemStone/S 64 Bit

2.2.6.5 Release Notes (Limited Distribution Special Release)

Overview

GemStone/S 64 Bit 2.2.6.5 is a new limited distribution special release version of the GemStone/S 64 Bit object server.

These release notes provide changes between the previous version of GemStone/S 64 Bit, version 2.2.6.4, and version 2.2.6.5. If you are upgrading from a version prior to 2.2.6.4, review the release notes for each intermediate release to see the full set of changes.

Platforms for Version 2.2.6.5

GemStone/S 64 Bit version 2.2.6.5 is supported on the following platforms:

- ▶ AIX 6.1 and AIX 7.1
- ▶ Solaris 10 on x86
- ▶ Linux Red Hat ES 6.5 and Ubuntu 12.04

For more information and detailed requirements for each supported platforms, please refer to the GemStone/S 64 Bit v2.2.5.2 Installation Guide for that platform.

VSD Version

The GemStone/S 64 Bit v2.2.6.5 distribution includes VSD version 5.3. The previous version of GemStone/S 64 Bit, v2.2.6.4, included VSD v5.2.

VSD v5.3 includes a number of new features, including control over saving display preferences and secondary sort keys.

For more information, see the [Release Notes for VSD v5.3](#), or the [VSD home page](#).

Changes in this release

Stone may hang on AIX when swap space becomes very low

AIX only

When swap space on AIX becomes very low, AIX sends SIGDANGER. The Stone did not respond properly to this signal, and hung. The fix for this also corrects handling for SIGHUP. (#44060)

Login timeouts resulted in zombie sessions

The login process requires establishing connections on both the standard and OOB socket. On a heavily loaded system, if there was a timeout during this, it could result in a zombie session. Over time, the zombie sessions could use all session slots, preventing other sessions from logging in. (#46585)

Write on closed socket may cause hang on AIX

AIX only

If write is attempted on a closed socket, a SIGPIPE gets sent with the SA_RESTART flag set. However, on AIX, this does not restart the send(), which results in a infinite loop in the Stone or other calling process. (#41404)