


GemStone/S 64 BitTM

Release Notes

Limited Distribution
Special Release

Version 3.7.5.1

July 2026



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PATENTS

GemStone software is or has been covered by U.S. Patent Number 6,256,637 "Transactional virtual machine architecture" (1998-2018), Patent Number 6,360,219 "Object queues with concurrent updating" (1998-2018), Patent Number 6,567,905 "Generational garbage collector with persistent object cache" (2001-2021), and Patent Number 6,681,226 "Selective pessimistic locking for a concurrently updateable database" (2001-2021).

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Release Notes for 3.7.5.1

GemStone/S 64 Bit™ 3.7.5.1 is a limited-distribution special release version of the GemStone/S 64 Bit object server, fixing a critical bug.

These Release Notes include changes between the previous version of GemStone/S 64 Bit, v3.7.5, and v3.7.5.1.

Supported Platforms

GemStone/S 64 Bit version 3.7.5.1 is supported on Linux/x86_64 only, with clients running on Windows and Linux.

Upgrade

GemStone/S 64 Bit v3.7.5.1 contains no image-level changes from v3.7.5. While running **upgradeImage** is generally recommended, it is not required when upgrading from 3.7.5.

When upgrading directly from v3.7.5 to v3.7.5.1, you may restart GemStone with the new executables without running **upgradeImage**. You must also execute `SystemRepository_setVersion` as `SystemUser`, to allow logins for non-SystemUser users.

VSD Version

This release includes a pre-release build of v5.6.6. This has only internal changes from the previous version, v 5.6.5.

Changes in this Release

SEGV during in-memory garbage collection

Under rare circumstances, the in-memory garbage collector may have misidentified a non-oop pointer as an oop. This resulted in a SEGV. (#51970)