


GemStone/S 64 BitTM

Release Notes

Version 3.5.6.5

August 2022



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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 3.5.6.5

GemStone/S 64 Bit™ 3.5.6.5 is a limited-distribution special release version of the GemStone/S 64 Bit object server.

These Release Notes include changes between the previous version of GemStone/S 64 Bit, v3.5.6.4, and v3.5.6.5.

Supported Platforms

GemStone/S 64 Bit version 3.5.6.5 is supported on Linux only, and with clients running on Windows and Linux.

Upgrade

GemStone/S 64 Bit v3.5.6.5 contains no image-level changes from v3.5.6.4, 3.5.6.3, 3.5.6.2, or 3.5.6.1. While running **upgradeImage** is generally recommended, it is not required when upgrading from 3.5.6 or any 3.5.6.x version. For these upgrades, you may restart GemStone with the new executables without running **upgradeImage**.

GCI history buffer size reduced

Earlier 3.5.6.x versions introduced GCI trace record printing to aid in analysis of GCI protocol errors. GCI packet trace records are maintained in a wraparound buffer, in both the GCI client and the Gem process. The contents of this buffer are printed to the Gem or client log file if a GCI protocol error occurs. In 3.5.6.4, this buffer was 500000 records (about 16MB). In 3.5.6.5 this buffer is reduced to 1000 records (about 32KB).

Protocol error on incomplete LGC_PAD_N read over socket

fixed in v3.5.6.4

Changes to socket reading code in the previous version, v3.5.6.4, resolved an issue with socket read returning bytes that contain an incomplete LGC_PAD_N packet (#50045)