


GemStone/S 64 BitTM

Release Notes

Version 3.5.5.6

February 2023



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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 3.5.6.6

GemStone/S 64 Bit™ 3.5.6.6 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, v3.5.6.5, and v3.5.6.6.

Supported Platforms

GemStone/S 64 Bit version 3.5.6.6 is supported on Linux only, and with clients running on Windows and Linux.

Upgrade

GemStone/S 64 Bit v3.5.6.6 contains no image-level changes from v3.5.6.5, 3.5.6.4, 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 these earlier version. When upgrading directly from v3.5.6.x to v3.5.6.6, you may restart GemStone with the new executables without running **upgradeImage**.

VSD Version

This release includes a pre-release build of v5.6, which supports faster lz4 compression that will be available in later GemStone/S 64 Bit Versions.

Transaction log debug level changes

The configuration parameter `STN_TRAN_LOG_DEBUG_LEVEL`, when set to values greater than 1, cause additional information to be written to the transaction logs. In v3.5.6.6, the output when `STN_TRAN_LOG_DEBUG_LEVEL` is set to level 1, includes page allocation information that previously required a higher level. The additional transaction log space requirement at level 1 is expected to be on the order of 1% of additional space over the requirement for level 0. (#50241)

The transaction log level can be modified at runtime using an expression such as:

```
System stoneConfigurationAt: #StnTranLogDebugLevel put: 1
```