


GemStone/S 64 BitTM

Release Notes

Limited Distribution
Special Release

Version 3.7.1.3

August 2024



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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 3.7.1.3

GemStone/S 64 Bit™ 3.7.1.3 is a limited-distribution special release version of the GemStone/S 64 Bit object server, fixing a significant bug and correcting a minor potential upgrade issue.

These Release Notes include changes between the previous version of GemStone/S 64 Bit, v3.7.1.2, and v3.7.1.3.

Supported Platforms

GemStone/S 64 Bit version 3.7.1.3 is supported on Linux only, with clients running on Windows and Linux.

Changes in this Release

Abort failed to clear references from modified committed objects to in-memory objects

No-longer valid references from committed objects to in-memory objects were not cleared on abort, which resulted in the subsequent in-memory garbage collection not freeing as much memory as was possible. (#51073)

Upgrade from pre-3.3 may reuse live OOP for AllLdapDirectoryServers

The LdapDirectoryServer class with an AllLdapDirectoryServers class variable was introduced in v3.3, and the Array instance in AllLdapDirectoryServers is created with a reserved OOP during upgrade. If the AllLdapDirectoryServers OOP was in use in an earlier version, on upgrade the OOP was forcefully repurposed. Now, this will result in an error on upgrade.