


GemStone/S 64 BitTM

Release Notes

Limited Distribution
Special Release

Version 3.5.0.3

January 2020



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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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GemStone/S 64 Bit 3.5.0.3 Release Notes (Limited Distribution Special Release)

Overview

GemStone/S 64 Bit 3.5.0.3 is a new limited distribution special release version of the GemStone/S 64 Bit object server, fixing a critical performance issue.

These Release Notes provide changes between the previous version of GemStone/S 64 Bit, version 3.5.0.2, and version 3.5.0.3. If you are upgrading from a version prior to 3.5.0.2, review the release notes for each intermediate release to see the full set of changes.

Supported Server and Client Platforms

This limited distribution release includes distributions for Linux and Windows client only.

VSD Version

The GemStone/S 64 Bit v3.5.0.3 distribution includes VSD version 5.4.2. The previous version of GemStone/S, v3.5.0.2, included VSD v5.4.1.

VSD version 5.4.2 is a maintenance release, including a few bug fixes. For details on the changes, see the [Release Notes for VSD v5.4.2](#).

Changes in this Release

Performance issue

The AIO pgsvr made several calls to HostGetNanoTime() within its loop. These calls put load on the CPU and impacted performance. (#48503)