


GemStone/S 64 BitTM

Release Notes

Limited Distribution
Special Release

Version 3.5.0.1

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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

3.5.0.1 Release Notes (Limited Distribution Special Release)

Overview

GemStone/S 64 Bit 3.5.0.1 is a new limited distribution special release version of the GemStone/S 64 Bit object server, fixing a critical bug introduced in v3.5.

These Release Notes provide changes between the previous version of GemStone/S 64 Bit, version 3.5, and version 3.5.0.1. If you are upgrading from a version prior to 3.5, review the release notes for each intermediate release to see the full set of changes.

Supported Platforms

Server and Client Platforms

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

VSD Version

The GemStone/S 64 Bit v3.5.0.1 distribution includes VSD version 5.4.1. The previous version of GemStone/S, v3.5 included VSD v5.4.

VSD version 5.4.1 is a minor bug fix release, fixing a bug in parsing command line arguments.

Changes in this Release

Missing reports in traversals from GBS

v3.5 included a change in the GCI function `GciStoreTravDoTravRefs`, which is used by GemBuilder for Smalltalk (GBS). For classes that are identity clamped and modified, the return from this function should not have a reports, but in 3.4.x, two reports were returned. The fix in v3.5 was too general and introduced cases in which required reports, for non-behavior objects, were not returned at all. (#48358)