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*GemStone*®

# **GemStone/S 64 Bit™**

## **Release Notes**

Limited Distribution  
Special Release

**Version 3.2.4.2**

February 2015



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## **PATENTS**

GemStone software is covered by U.S. Patent Number 6,256,637 "Transactional virtual machine architecture", Patent Number 6,360,219 "Object queues with concurrent updating", Patent Number 6,567,905 "Generational garbage collector with persistent object cache", and Patent Number 6,681,226 "Selective pessimistic locking for a concurrently updateable database". GemStone software may also be covered by one or more pending United States patent applications.

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# GemStone/S 64 Bit

## 3.2.4.2 Release Notes (Limited Distribution Special Release)

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### Overview

GemStone/S 64 Bit 3.2.4.2 is a new limited distribution special release version of the GemStone/S 64 Bit object server.

These release notes provide changes between the previous version of GemStone/S 64 Bit, version 3.2.4.1, and version 3.2.4.2. If you are upgrading from a version prior to 3.2.4.1, review the release notes for each intermediate release to see the full set of changes.

### Supported Platforms

GemStone/S 64 Bit version 3.2.4.2 is supported on the following platforms:

- ▶ Solaris 10 and 11 on SPARC
- ▶ Solaris 10 on x86
- ▶ AIX 6.1, TL1, SP1, and AIX 7.1
- ▶ Red Hat Linux ES 6.1, 6.4 and 6.5; Ubuntu 12.04; and SUSE Linux Enterprise 11 Service Pack 3, on x86
- ▶ Mac OSX 10.6.8 (Snow Leopard), with Darwin 10.8.0 kernel, on x86

### Changes in this Release

#### Attempt to reclaim a page more than once

A operation during reclaim is not thread-safe, so under some race conditions, one thread may remove a page from the reclaim pages list, while another thread puts the page back on the list. This results in an attempt to reclaim the same page more than once. The conditions for this bug appears to be rare; however, while this bug may not trigger an immediate error, page errors may occur subsequently. (45041)