


GemStone/S 64 BitTM **Release Notes**

Version 3.5.6.2

April 2022



INTELLECTUAL PROPERTY OWNERSHIP

This documentation is furnished for informational use only and is subject to change without notice. GemTalk Systems LLC assumes no responsibility or liability for any errors or inaccuracies that may appear in this documentation.

Warning: This computer program and its documentation are protected by copyright law and international treaties. Any unauthorized copying or distribution of this program, its documentation, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted under the maximum extent possible under the law.

The software installed in accordance with this documentation is copyrighted and licensed by GemTalk Systems under separate license agreement. This software may only be used pursuant to the terms and conditions of such license agreement. Any other use may be a violation of law.

Use, duplication, or disclosure by the Government is subject to restrictions set forth in the Commercial Software - Restricted Rights clause at 52.227-19 of the Federal Acquisitions Regulations (48 CFR 52.227-19) except that the government agency shall not have the right to disclose this software to support service contractors or their subcontractors without the prior written consent of GemTalk Systems.

This software is provided by GemTalk Systems LLC and contributors "as is" and any expressed or implied warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose are disclaimed. In no event shall GemTalk Systems LLC or any contributors be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, procurement of substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, strict liability, or tort (including negligence or otherwise) arising in any way out of the use of this software, even if advised of the possibility of such damage.

COPYRIGHTS

This software product, its documentation, and its user interface © 1986-2022 GemTalk Systems LLC. All rights reserved by GemTalk Systems.

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).

TRADEMARKS

GemTalk, **GemStone**, **GemBuilder**, **GemConnect**, and the GemTalk logo are trademarks of GemTalk Systems LLC, or of VMware, Inc., previously of GemStone Systems, Inc., in the United States and other countries.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Solaris, **Java**, and **Oracle** are trademarks or registered trademarks of Oracle and/or its affiliates. **SPARC** is a registered trademark of SPARC International, Inc.

Intel and **Pentium** are registered trademarks of Intel Corporation in the United States and other countries.

Microsoft, **Windows**, and **Windows Server** are registered trademarks of Microsoft Corporation in the United States and other countries.

Linux is a registered trademark of Linus Torvalds and others.

Red Hat and all Red Hat-based trademarks and logos are trademarks or registered trademarks of Red Hat, Inc. in the United States and other countries.

Ubuntu is a registered trademark of Canonical Ltd., Inc., in the U.S. and other countries.

SUSE is a registered trademark of Novell, Inc. in the United States and other countries.

AIX, **POWER7**, **POWER8**, **POWER9** and **VisualAge** are trademarks or registered trademarks of International Business Machines Corporation.

Apple, **Mac**, **MacOS**, and **Macintosh** are trademarks of Apple Inc., in the United States and other countries.

CINCOM, **Cincom Smalltalk**, and **VisualWorks** are trademarks or registered trademarks of Cincom Systems, Inc.

Raspberry Pi is a trademark of the Raspberry Pi Foundation

Other company or product names mentioned herein may be trademarks or registered trademarks of their respective owners. Trademark specifications are subject to change without notice. GemTalk Systems cannot attest to the accuracy of all trademark information. Use of a term in this documentation should not be regarded as affecting the validity of any trademark or service mark.

GemTalk Systems LLC

15220 NW Greenbrier Parkway
Suite 240
Beaverton, OR 97006

Release Notes for 3.5.6.2

GemStone/S 64 Bit™ 3.5.6.2 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, v3.5.6.1, and v3.5.6.2.

Supported Platforms

GemStone/S 64 Bit version 3.5.6.2 is supported on Linux only, and with clients running on Windows and Linux.

Upgrade

GemStone/S 64 Bit v3.5.6.2 contains no image-level changes from v3.5.6.1. In v3.5.6.1, the only change was a added private method to support internal build and archiving processes. While running **upgradeImage** is generally recommended, it is not required when upgrading from 3.5.6 or 3.5.6.1. For these upgrades, you may restart GemStone with the new executables without running **upgradeImage**.

VSD Version

The GemStone/S 64 Bit v3.5.6.2 distribution includes VSD version 5.5.3. The previous version of GemStone/S 64 Bit, v3.5.6.1, included a prerelease version of VSD v5.5.2. VSD v5.5.3 includes improved search and updated help.

Print GCI trace records on protocol error

To aid in analysis of GCI protocol errors, recent GCI call history is now automatically printed to the gem log when a GCI protocol error occurs. GCI call trace records are maintained in a wraparound buffer, and the most recent 100 records will be printed to the log.