
GemStone®

GemStone/S 64 Bit™
Release Notes

Version 2.4.4.6

June 2011

vmware®

GEMSTONE *S*™ **64**

INTELLECTUAL PROPERTY OWNERSHIP

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

This documentation, or any part of it, may not be reproduced, displayed, photocopied, transmitted, or otherwise copied in any form or by any means now known or later developed, such as electronic, optical, or mechanical means, without express written authorization from VMware, Inc.

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 VMware, Inc. 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 VMware, Inc.

This software is provided by VMware, Inc. 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 VMware, Inc. 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 © 1986-2011 VMware, Inc., and GemStone Systems, Inc. All rights reserved by VMware, Inc.

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.

TRADEMARKS

VMware is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions.

GemStone, **GemBuilder**, **GemConnect**, and the GemStone logos are trademarks or registered trademarks 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.

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

HP, **HP Integrity**, and **HP-UX** are registered trademarks of Hewlett Packard Company.

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

Microsoft, **MS**, **Windows**, **Windows XP**, **Windows 2003**, **Windows 7** and **Windows Vista** 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.

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

AIX, **POWER5**, and **POWER6** are trademarks or registered trademarks of International Business Machines Corporation.

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

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. VMware 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.

GemStone Systems, a division of VMware, Inc
1260 NW Waterhouse Avenue, Suite 200
Beaverton, OR 97006

Overview

GemStone/S 64 Bit 2.4.4.6 is a new version of the GemStone/S 64 Bit object server. This release includes one change to permit shared page cache sizes that are larger than 75% of installed RAM.

No separate Installation Guide is provided with this release. For installation instructions, use the Installation Guide for version 2.4.

Changes in this Release

Removed limitation on SPC size of 75% of RAM

Previously, attempting to start a Stone with a configuration for SHR_PAGE_CACHE_SIZE_KB that was larger than 75% of physical RAM resulted in the system automatically reducing the cache size to the 75% value. (#41618).

This limit has been removed. (#41618).

Supported Platforms and GBS Versions

Platforms

GemStone/S 64 Bit version 2.4.4.6 is supported on the following platforms:

- ▶ Solaris 9 and 10 on SPARC
- ▶ Solaris 10 on x86
- ▶ HP-UX 11.11 and 11.31 on PA-RISC
- ▶ HP-UX 11.23 and 11.31 on Itanium
- ▶ AIX 5.3, TL5, SP3 and AIX 6.1, TL1, SP1
- ▶ SuSE Linux ES 10 SP1, and Red Hat Linux ES 5.0 and 5.5

For more information and detailed requirements for each supported platforms, please refer to the GemStone/S 64 Bit v2.4 Installation Guide for that platform.

GBS versions

The following versions of GBS are supported with GemStone/S 64 Bit version 2.4.4.6, with the following client Smalltalk and platform versions.

GBS version 7.3.3

VW 7.7.1 32-bit	VW 7.7.1 64-bit	VW 7.7 32-bit	VW 7.7 64-bit
<ul style="list-style-type: none"> ▶ Windows XP, Windows 2003, Windows Vista, and Windows 7 ▶ Solaris 9 and 10 on SPARC ▶ SuSE Linux ES 10, Red Hat Linux ES 5.0 and 5.5 	<ul style="list-style-type: none"> ▶ Solaris 10 on SPARC ▶ SuSE Linux ES 10, Red Hat Linux ES 5.0 and 5.5 	<ul style="list-style-type: none"> ▶ Windows XP, Windows 2003, Windows Vista, and Windows 7 ▶ Solaris 9 and 10 on SPARC ▶ SuSE Linux ES 10, Red Hat Linux ES 5.0 and 5.5 	<ul style="list-style-type: none"> ▶ Solaris 10 on SPARC ▶ SuSE Linux ES 10, Red Hat Linux ES 5.0 and 5.5

GBS version 7.3.2

VW 7.7 32-bit	VW 7.7 64-bit	VW 7.6 32-bit with 32-bit 7.6c OE
<ul style="list-style-type: none"> ▶ Windows XP, Windows 2003, Windows Vista, and Windows 7 ▶ Solaris 9 and 10 on SPARC ▶ SuSE Linux ES 10, Red Hat Linux ES 5.0 and 5.5 	<ul style="list-style-type: none"> ▶ Solaris 10 on SPARC ▶ SuSE Linux ES 10, Red Hat Linux ES 5.0 and 5.5 	<ul style="list-style-type: none"> ▶ Windows XP and Windows 2003 ▶ Solaris 9 and 10 on SPARC ▶ SUSE Linux ES 10 and Red Hat Linux ES 5.0

GBS version 7.1.2patch2

VW 7.5 with 7.5 OE	VW 7.4.1 with 7.4d OE
<ul style="list-style-type: none"> ▶ Windows XP and Windows 2003 ▶ Solaris 9 and 10 on SPARC ▶ HP-UX 11.11 on PA-RISC ▶ SuSE Linux ES 10 	<ul style="list-style-type: none"> ▶ Windows XP ▶ Solaris 9 and 10 on SPARC ▶ HP-UX 11.11 on PA-RISC ▶ SuSE Linux ES 10

GBS version 5.3.2

VA Smalltalk 8.0.2	VA Smalltalk 8.0.1	VA Smalltalk 7.5.2
<ul style="list-style-type: none"> ▶ Windows 7, Windows Vista, Windows 2003 Server, Windows XP 	<ul style="list-style-type: none"> ▶ Windows 7, Windows Vista, Windows 2003 Server, Windows XP 	<ul style="list-style-type: none"> ▶ Windows 2003 Server, Windows XP

For more details on supported platforms and requirements, see the release notes for that version of GBS.