
GemStone®

GemBuilder for Smalltalk Release Notes

For Instantiations VA Smalltalk Environment

Version 5.3.1

May 2010

GEMSTONE ™

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PATENTS

GemStone is covered by U.S. Patent Number 6,256,637 "Transactional virtual machine architecture", Patent Number 6,360,219 "Object queues with concurrent updating", and Patent Number 6,567,905 "Generational Garbage Collector". GemStone may also be covered by one or more pending United States patent applications.

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Preface

These release notes describe the changes in the GemBuilder for Smalltalk® version 5.3.1 release. We recommend that everyone using GemBuilder for Smalltalk read these release notes before installing or upgrading.

These documents are also available on the GemStone customer website, as described below.

Technical Support

GemStone's Technical Support website provides a variety of resources to help you use GemStone products.

GemStone Web Site: <http://support.gemstone.com>

Use of this site requires an account, but registration is free of charge and provides immediate access.

All GemStone product documentation is provided in PDF form on this website. Documentation is also available at

<http://www.gemstone.com/documentation>

In addition to documentation, the support.gemstone.com website provides:

- ▶ Downloads and Patches, including past and current versions of GemBuilder for Smalltalk.
- ▶ Bugnotes, identifying performance issues or error conditions that you may encounter when using a GemStone product.
- ▶ TechTips, providing information and instructions that are not otherwise included in the documentation.
- ▶ Compatibility matrices, listing supported platforms for GemStone product versions.

This material is updated regularly; we recommend checking this site on a regular basis.

Help Requests

You may need to contact Technical Support directly, if your questions are not answered in the documentation or by other material on the Technical Support site.

Requests for technical assistance may be submitted online, or by email or by telephone. We recommend you use telephone contact only for more serious requests that require immediate evaluation, such as a production system down. The support website is the preferred way to contact Technical Support.

Website: <http://techsupport.gemstone.com>

Email: support@gemstone.com

Telephone: (800) 243-4772 or (503) 533-3503

Your GemStone support agreement may identify specific designated contacts who are responsible for submitting all support requests to GemStone. If so, please submit your information through those individuals.

If you are reporting an emergency by telephone, select the option to transfer your call to the Technical Support administrator, who will take down your customer information and immediately contact an engineer. Non-emergency requests received by telephone will be placed in the normal support queue for evaluation and response.

When submitting a request, please include the following information:

- ▶ Your name, company name, and GemStone server license number.
- ▶ The versions of all related GemStone products, and of any other related products, such as client Smalltalk products.
- ▶ The operating system and version you are using.
- ▶ A description of the problem or request.
- ▶ Exact error message(s) received, if any, including log files if appropriate.

Technical Support is available from 8am to 5pm Pacific Time, Monday through Friday, excluding GemStone holidays.

24x7 Emergency Technical Support

GemStone offers, at an additional charge, 24x7 emergency technical support. This support entitles customers to contact us 24 hours a day, 7 days a week, 365 days a year, for issues impacting a production system. For more details, contact your GemStone account manager.

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Release Notes for GemBuilder for Smalltalk 5.3.1

GemBuilder for Smalltalk (GBS) version 5.3.1 is a new release of the GemBuilder for Smalltalk product. This release adds support for VA Smalltalk version 8.0.1, and fixes a number of bugs. These release notes provide details of the changes and bugs fixed in this release.

These release notes provide changes between the previous version of GBS, version 5.3, and version 5.3.1. If you are upgrading from a version prior to 5.3, please also review the release notes for each intermediate release to see the full set of changes.

This release does not support VisualWorks; VisualWorks is supported by separate set of releases of the GBS product. GBS version 5.3.1 supports GemStone/S 64 Bit only; support for 32-bit GemStone/S is provided by a separate release, version 5.2.6. This release cannot be used with 32-bit GemStone/S, nor with GemStone/S 64 Bit version 1.x.

Supported Platforms and Versions

The following table describes the client Smalltalk versions and platforms supported by GBS 5.3.1, and the GemStone/S 64 Bit shared library versions that can be used with each.

GemBuilder for Smalltalk supports GemStone/S 64 Bit 2.x only. Only RPC logins are supported.

Table 1 GemStone/S 64 Bit shared library versions compatible with GBS 5.3.1 on each platform and client Smalltalk version

	Windows 7	Windows Vista	Windows 2003	Windows XP, Service pack 1 or later
Instantiations VA Smalltalk 8.0.1	GemStone/S 64 Bit 2.3.1.6 and 2.4.3	GemStone/S 64 Bit 2.3.1.6 and 2.4.3	GemStone/S 64 Bit 2.3.1.6 and 2.4.3	GemStone/S 64 Bit 2.3.1.6 and 2.4.3
Instantiations VA Smalltalk 7.5.2			GemStone/S 64 Bit 2.3.1.6 and 2.4.3	GemStone/S 64 Bit 2.3.1.6 and 2.4.3

Bugs Fixed

The following bugs have been fixed since GemBuilder for Smalltalk version 5.3:

GbsConfiguration>>traversalBufferSize: could not be set prior to login

Setting the traversal buffer size using GbsConfiguration >> traversalBufferSize: attempted to access a pool variable MinTraversalBufferSize, which was not initialized until the GCI library was loaded. (#40336)

Logout via Session Browser blocked by another session's GemStone operation

With multiple logged-in sessions, when one of them was executing long-running GemStone server code, if another session attempted to log out using the session browser, the logout blocked until the first sessions' execution completed. (#34356)

Misleading behavior on class modification without migration

In a Classes Browser or other browser, when a class is modified and you select the save menu item, GBS opens a dialog asking if you want to commit the change and migrate instances. If you answered "no", meaning do not commit or migrate, the changes are still saved and exist in the transaction, though they are not committed. However, the GUI pane containing the changes to the class is still incorrectly "dirty". Selecting something else brought up a dialog saying "Text has been modified - save changes?" which falsely implies the changes to the class were not made. (#35484)

Find Class did not find class with versions

The SystemBrowser Classes menu item "Find Class..." did not select classes that have more than one version, although it located and selected the SymbolDictionary that the class is in. (#35485)

Categories >> File Out failed for category name with embedded space

In a GemStone browser, selecting a category whose name has an embedded space and attempting to file it out resulted in a walkback. (#16773)

SymbolDictionary file out fails for SymbolDictionary name with hyphen (\$-)

If a SymbolDictionary name includes a hyphen (\$-), filing out using the menu option Symbols >> File Out >> One Name..., or Symbols >> File Out Methods Only >> One Name... failed with a walkback. (#35784)

GbxTimeZone class >> fromLinux method removed

The method GbxTimeZone class >> fromLinux was inadvertently ported to GBS, and included inappropriate and non-functional code. This method has been removed. (#40319)

Connector Browser session information did not fit in field

The text field in the connector browser for the information about an associated session was too small, cropping information about the session. (#16853)