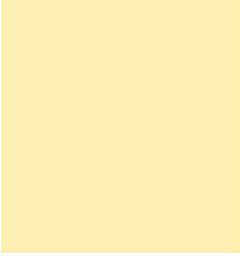# GemBuilder™ for Smalltalk/VW Beta Notes

Version 8.8beta1

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PATENTS

GemStone software has been 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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Release Notes for GemBuilder for Smalltalk 8.8beta1

GemBuilder™ for Smalltalk (GBS) version 8.8beta1 is a beta version of the GemBuilder for Smalltalk product, adding support for earlier and later version of VisualWorks Smalltalk and including other minor improvements.

These beta notes provide changes between the previous version of GBS, version 8.7.1, and version 8.8beta1. If you are upgrading from a version prior to 8.7.1, please also review the release notes for each intermediate release between your version and 8.8beta1, to see the full set of changes.

This release supports GemStone/S 64 Bit only, with VisualWorks 8.3.2 and 9.x.

GBS 8.8beta1 does not support 32-bit GemStone/S, nor VAST platform (VA Smalltalk).

To install GemBuilder for Smalltalk 8.8beta1, follow the instructions in the *GemBuilder for Smalltalk Installation Guide* for version 8.7.1.

Changes in this Release

Added support for VisualWorks 8.3.2

GBS v8.8 can now be loaded into VisualWorks 8.3.2, as well as 9.1.1, 9.3, 9.3.1, and 9.4.

Added full support for Windows 12

GemStone/S 64 Bit v3.7.1 has been tested and is fully supported on Windows 12. Earlier versions of the server libraries are expected to work on Windows 12, but are not certified.

Support Diagnostic Special Converter

A Diagnostic Special Converter class and the corresponding GBS configuration item for enabling it have been added. These are only used on 64-bit little-endian VisualWorks images. Converting SmallDoubles is approximately 50% slower under the Diagnostic Special Converter than using the standard Special Converter.

Fileout of SessionParameters now uses appropriate accessors

Fileout of SessionParameters previously wrote text to recreate the parameters using expressions such as instVarAt:put: Now, the correct accessor methods are used, allowing the session parameters to be used independent of the version of GBS. (#49873)

GbsSession>>fetchBehaviorDelegatesForClassConnectors: incorrect with large number of classes

When the number of classes was large enough to exceed printString limitations, the evaluation of GbsSession>>#fetchBehaviorDelegatesForClassConnectors: produced invalid Smalltalk and errored. (#50982)

GbsConfiguration missing configuration item for socketWaitTimeout

This configuration item has been added (#50985)

Improved Font handling in Browsers

The method list pane in the System and other Browsers now responds to VisualWorks font size settings. (#49094)