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GemStone®

# *GemStone/S 64 Bit Release Notes*

Version 2.4.4.1

July 2010

GEMSTONE<sup>™</sup> S 64

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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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### **Overview**

GemStone/S 64 Bit 2.4.4.1 is a new release of the GemStone/S 64 Bit object server. This version provides updates and fixes to the seaside components that are provided with the GemStone/S 64 Bit product. With the GemStone/S 64 Bit 2.4.4.1 release, Seaside 3.0 support is provided, as well as support for Magritte 2.0 and Pier 2.0. This is also the first release of GemStone/S 64 Bit 2.4.x that is GLASS compatible and includes an upgrade path from GLASS on v2.3.x.

There are no changes in the GemStone Smalltalk kernel or executables with this release; customers who are not using GLASS will see no changes from version 2.4.4 in this version.

If you are upgrading from an earlier version of GemStone/S 64 Bit, review the release notes for version 2.4.4 and each intermediate release to see the full set of changes.

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

### **GLASS**

GLASS —GemStone, Linux, Apache, Seaside, and Smalltalk — is a Seaside-based web application development framework, providing GemStone's persistence and scalability to the development of web-based desktop-like applications.

For information on using GLASS, see:

<http://code.google.com/p/glassdb/wiki/GettingStartedWithGLASS>

<http://gemstonesoup.wordpress.com>

<http://programminggems.wordpress.com>

<http://seaside.gemstone.com>

## Support for Seaside 2.8 and 3.0

The extent0.seaside.dbf that is shipped with version 2.4.4.1 has GLASS 1.0-beta.8.1 pre-loaded in it. This GLASS version does not have either Seaside2.8 or Seaside3.0 packages loaded, since they cannot co-exist in an image. You will need to choose which version of Seaside you will be using, and evaluate the appropriate expressions. In addition, you can chose and load other add-ons, such as Magritte, SeasideTesting, Pier, etc.

The following expressions can be evaluated to load base add-ons after upgrading to GLASS 1.0-beta.8.1.

### Seaside 2.8

```
MCPlatformSupport commitOnAlmostOutOfMemoryDuring: [
  [
    Gofer project load: 'Seaside28' version: '2.8.4.7'.
    Gofer project load: 'Seaside28Examples' version: '2.8'.
    Gofer project load: 'GsSeasideTesting28' version: '1.0'.
    Gofer project load: 'GsSqueakSource' version: '2.0-alpha.3'.
    Gofer project load: 'Magritte' version: '1.2.1.4.1'.
    Gofer project load: 'GsScaffolding' version: '1.0'.
    Gofer project load: 'Pier' version: '1.2.1.4'.
    Gofer project
      load: 'GsSeasideTesting28'
      version: '1.0'
      group: #( 'PierTesting' ).
    Gofer project load: 'PierAddOns' version: '1.0.2'.
  ]
  on: Warning
  do: [:ex | ex resume ].
```

### Seaside 3.0

```
MCPlatformSupport commitOnAlmostOutOfMemoryDuring: [
  [
    Gofer project load: 'Seaside30' version: '3.0.0-alpha5.15'.
    Gofer project load: 'Magritte2' version: '2.0.5'.
    Gofer project load: 'Pier2' version: '2.0.6'.
    Gofer project load: 'Pier2AddOns' version: '2.0.6'.
  ]
  on: Warning
  do: [:ex | ex resume ].
```