
GemStone®

GemBuilder® for Java

Release Notes

Version 3.2.1

March 2026

Doc rev 76.1



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 © 1986-2026 GemTalk Systems LLC. All rights reserved by GemTalk Systems.

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".

TRADEMARKS

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

Java and **JDK** are trademarks or registered trademarks of Oracle and/or its affiliates.

Intel is a registered trademarks of Intel Corporation in the United States and other countries.

Microsoft, **Windows**, **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, **Red Hat Enterprise Linux**, **RHEL**, and **CentOS** are trademarks or registered trademarks of Red Hat, Inc.

Rocky Linux is a trademark or registered trademark of Rocky Enterprise Software Foundation.

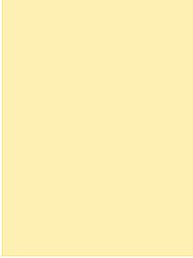
Ubuntu is a registered trademark of Canonical Ltd., Inc.

Apple, **Mac**, **macOS**, and **Macintosh** are trademarks of Apple Inc.

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

15220 NW Greenbrier Parkway
Suite 240
Beaverton, OR 97006



Preface

About This Documentation

These Release Notes describe the changes in the GemBuilder® for Java version 3.2.1 release. Read these release notes carefully before you begin installation, upgrade, or development with this release.

For information on installing or upgrading to this version of GemBuilder for Java, please refer to the *GemBuilder for Java Installation Guide* for version 3.2.1.

Technical Support

Support Website

gemtalksystems.com

GemTalk's website provides a variety of resources to help you use GemTalk products:

- ▶ **Documentation** for the current and for previous released versions of all GemTalk products, in PDF form.
- ▶ **Product download** for the current and selected recent versions of GemTalk software.
- ▶ **Bugnotes**, identifying performance issues or error conditions that you may encounter when using a GemTalk product.
- ▶ **Supplemental Documentation** and **TechTips**, providing information and instructions that are not in the regular documentation.
- ▶ **Compatibility matrices**, listing supported platforms for GemTalk product versions.

We recommend checking this site on a regular basis for the latest updates.

Help Requests

GemTalk Technical Support is limited to customers with current support contracts. Requests for technical assistance may be submitted online (including by email), or by telephone. We recommend you use telephone contact only for urgent requests that require immediate evaluation, such as a production system down. The support website is the preferred way to contact Technical Support.

Website: techsupport.gemtalksystems.com

Email: techsupport@gemtalksystems.com

Telephone: (800) 243-4772 or (503) 766-4702

Please include the following, in addition to a description of the issue:

- ▶ The versions of GemBuilder for Java, GemStone, and of all related GemTalk products, and of any other related products, and the operating system and version you are using.
- ▶ Exact error message received, if any, including log files and statmonitor data if appropriate.

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

24x7 Emergency Technical Support

GemTalk 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 GemTalk Support Renewals.

Training and Consulting

GemTalk Professional Services provide consulting to help you succeed with GemStone products. Training for GemStone/S is available at your location, and training courses are offered periodically at our offices in Beaverton, Oregon. Contact GemTalk Professional Services for more details or to obtain consulting services.

GemBuilder for Java

3.2.1 Release Notes

GemBuilder for Java (GBJ) version 3.2.1 is a new release of the GemBuilder for Java product, adding support for Windows clients.

These release notes provide details of the changes between the previous version of GBJ, version 3.2, and this release. If you are upgrading from a version earlier than 3.2, please refer to the *Release Notes* for each intermediate release as well. GBJ 3.2 included significant changes in the infrastructure involved in connecting to the GemStone server, and how RPC vs. linked sessions are configured.

To install GemBuilder for Java v3.2.1, follow the instructions in the *GemBuilder for Java Installation Guide* for v3.2.1.

Supported Platforms

GemBuilder for Java version 3.2.1 is compatible with GemStone/S 64 Bit v3.7.5 and later only, with GemStone clients on Linux and Windows.

Supported Java JDK

GBJ v3.2.1 requires Java version 8.

It was built and tested using 1.8.0_102 on Linux on x86_64, and with 1.8.0_402 on Linux on ARM.

Known Issue

In linked GBJ sessions on Linux, it is possible to see errors such as "offset from code memory to libgcilnk.so exceeds 32bits". The workaround for this is to set

```
GEM_NATIVE_CODE_ENABLED=0;
```

in the gem configuration file read by the libgcilnk when loaded by the Java vm (#51701).