



PRODUCT RELEASE



Gensym G2™ Standard & Enterprise Edition
Gensym G2 2021.3

October 2021

COPYRIGHT AND DISCLAIMER

While every attempt has been made to ensure that the information in this document is accurate and complete, some typographical, technical or other errors may exist. Gensym Inc. does not offer any warranty for fitness for a particular purpose regarding any information contained in this document and will not under any circumstances accept responsibility for any kind of loss or damages that either directly or indirectly results from the use of this document.

This page shows the original publication date. The information contained in this document is provided for information purposes only, and subject to change without notice. Any improvements or changes to the product will be documented in subsequent editions.

This document is protected by copyright. All Rights Reserved. No part of this document should be photocopied, reproduced, or translated into another language without the prior written consent of Gensym Inc.

U.S. Government Restricted Rights. The software and accompanying materials are provided with Restricted Rights. Use, duplication, or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraphs (c) (1) and (2) of Commercial Computer Software - Restricted rights at Federal Acquisition Regulation, 48 C.F.R. 52.227-19 (July 1987 or current version), and the limitations as set forth in Gensym Inc. standard license agreement for this documentation.

This edition was published October 2021.



Table of Contents

Table of Contents	1
1. Overview	3
2. Changes in Release	4
3. Licensing Changes	4
4. Release Summary	5
5. Release Details	5
6. Release Summary (2021.2)	6
7. Release Summary (2021.1)	6
8. G2 2021 Platform Matrix	7

1. Overview

This current **G2 2021.3** update is the next release of the new major edition(s) of the G2 platform – i.e. G2 2021. G2 2021 comes in two editions: Standard (STD32 & STD64) and Enterprise (ENT).

Product defects are generally fixed in both editions of G2. Feature or Function enhancements (if any) that are reserved for Enterprise will be duly highlighted in the release notes. A brief summary of Enterprise and STD edition is attached below. For additional details please contact your account manager or contact Ignite Support

Gensym G2 2021 Platform is available in both Standard and Enterprise Editions. The following table provides the differences between these editions.

Feature	Standard Edition	Enterprise Edition
Real Time Reasoning Engine	✓	✓
Natural Language Rule Definition	✓	✓
Graphical Design of Business Processed	✓	✓
Mission-Critical Reliability	✓	✓
Object Modeling	✓	✓
Rapid Prototyping	✓	✓
Unified Modeling & Simulation	✓	✓
Task Priority Scheduling	✓	✓
Support for 64-bit environments	✓	✓
Unlimited Process Authorizations (g2)*		✓
Support for MQTT Protocol as a client leveraging the MQTT Framework		✓
Support for Realtime Operating System VxWorks on PowerPC architecture**		✓

Customers can continue to provide their valuable feedback to our support through our support portal at <https://support.ignitetech.com>.

* Subject to your existing licensing terms and conditions

** SP0 – S board (from Aitech) with 32-bit PowerQUICC®III MPC8548E – e500 architecture

❖ Latest Release Version	Gensym.2021.3
❖ As of Release Date	October 12 th , 2021
❖ Release Type	Public Release
❖ Deliverables	Product Release Software (SHA1 checksums as below) cc0d59f259a81d10b5958cc5c26c123b7be65b8a Win 32-bit 0e191903f36eb8ef42df86c27988a659c61e6ef2 Lin 32-bit 63b223baa254c08a6a8eb5deba161011cc0da22e Win 64-bit ace0bd60fa2434433fbfdcb655127c0a3e800414 Lin 64-bit
	Release Notes Documentation
❖ Other Information	None

2. Changes in Release

- 5 customer-identified or internally identified issues since 2021.2
- Improved product quality due to additional internal fixes.

3. Licensing Changes

Please note that the G2 server will shut down the next day after the license expires.

4. Release Summary

Key	Customer Issue ID	Summary
GENSYMCID-12523	1905179	http-server-ssl-certificate-file attribute of Gweb HTTP server
GENSYMCID-12975	2768130	Small workspaces show up with scroll bars
GENSYMCID-12977	2770238	g2-{add delete}-user are not making g2.ok changes properly
GENSYMCID-13029	2888063	Use of ActiveX Control can crash G2
GENSYMCID-13048	2930849	Corrupt perm-float-array item causes crashes

5. Release Details

GENSYMCID-12523: http-server-ssl-certificate-file attribute of Gweb HTTP server

Issue: Gweb G2 built-in HTTP server was ignoring `http-server-ssl-enabled` attribute.

Solution: Gweb G2 built-in HTTP server honours this attribute. In order to enable HTTPS, please start G2 server with `-secure -cert /path/to/certificate-and-key.pem` command line arguments, and set `http-server-ssl-enabled` attribute of `gweb-g2-http-server` class instance to `true`.

GENSYMCID-12975: Small workspaces show up with scroll bars

Issue: An overly-aggressive optimization resulted in some resizing requests being ignored.

Solution: Workspace size requests are handled correctly.

GENSYMCID-12977: g2-{add|delete}-user are not making g2.ok changes properly

Issue: Extra or missing empty lines were confusing these procedures.

Solution: Extra or missing empty lines are handled properly.

GENSYMCID-13029: Use of ActiveX Control can crash G2

Issue: Some Telewindows 2 use cases were overlooked when moving to Connections 2.0 several years ago, as Telewindows 2 was deprecated earlier.

Solution: Offending system procedures take Connections 2.0 into account.

GENSYMCID-13048: Corrupt perm-float-array item causes crashes

Issue: The float-array pretty-printing function was not handling all possible cases.

Solution: All possible cases are handled properly.

6. Release Summary (2021.2)

Key	Customer Issue ID	Summary
GENSYMCID-12628	2094996	Labels abbreviated
GENSYMCID-12812	2426139	Missing Auto Hide button on GEVM Native browser
GENSYMCID-12985	2788855	G2 ODBC bridge crashes
GENSYMCID-12995	2785412	GDA error causing memory leak

7. Release Summary (2021.1)

Key	Customer Issue ID	Summary
GENSYMCID-12774	2308866	G2 aborts with error when loading KB multiple times
GENSYMCID-12783	2339885	G2 crash after resume
GENSYMCID-12861	2561777	Cannot include calendar-format syntax in cell-spec for grid-view
GENSYMCID-12893	2590205	Incorrect negative interval to Unix time conversion
GENSYMCID-12913	2743336	Full-color-picker will not open in twng 2018 and above
GENSYMCID-12922	2746794	TWNG crashes when closing a window with a masked edit box

8. G2 2021 Platform Matrix

G2 STD/ENT (2020)	Windows 7	Windows 8.1	Windows 10	Windows Server 2008 / 2008R2	Windows Server 2012 R2	Windows Server 2016	Windows Server 2019	LINUX Distributions **
G2 Server (STD, 32-bit & 64-bit)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	G2 STD and ENT are LSB (Linux Standard Base) 4.0 Compliant.
G2 Server (ENT, 64-bit)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	The product is supported on several Linux distributions e.g RHEL 5.6, RHEL 6.4, RHEL 7.1, SuSE Linux Enterprise 11, Ubuntu 8.04, 9.04, 16.04 and others
G2 Classic Client (Telewindows)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
G2 Next Gen Client (Telewindows NG)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A

**For 64-bit OSs, such as RHEL 7, which only has x64 version, a user needs to install 32-bit compatibility libraries to run G2 STD 32.

Notes:

1) Gensym Enterprise and Standard 64 Editions include x64 versions of GSI, JavaLink bridge, G2 Oracle bridge for Oracle 10g, Oracle 11g and Oracle 12c, G2 ODBC bridge, G2 ActiveX bridge and G2 Sybase bridge.

