

Ignite Technologies
Information Technology Solutions

Gensym G2

The World's Leading Software Platform for Real-Time Expert System Applications

Product Release Notes

Gensym G2 2018.5

November 2018



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1. Overview

This current **G2 2018.5** update is the latest release of the new major edition of the G2 platform — i.e. G2 2018. G2 2018 comes in two editions Standard (STD) and Enterprise (ENT), both 64-bit.

This document is a consolidated release note document for G2 2018. It contains information about issues fixed (as reported by customers and/or discovered internally) and product enhancements that are incorporated into the platform **since the release of G2 2018.4**.

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 note. A brief summary of Enterprise and STD edition is attached below. For additional details please contact your account manager or contact Ignite Support

The Gensym G2 2018 Platform is available in both Standard and Enterprise Editions. The following table provides the differences between these editions.

Feature	G2 2018 Standard Edition	G2 2018 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 Deployment Instance Licensees		✓
Mobile Solution Consulting Services		✓
Cloud Deployment Solution Services		✓
Includes License for Development, Test, High Availability and Disaster Recovery Environments		✓

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<https://support.ignitetech.com>.

❖ Latest Release Version	Gensym.2018.5
❖ As of Release Date	November 30 th , 2018
❖ Release Type	Public Release
❖ Deliverables	Product Release Software (SHA1 checksums as below) f51233f54c535f7abf849299e46e7edfdaaa38ee Windows 64-bit a5adb32b09832eaa84039f52a9f83cce733d34a Linux 64-bit Release Notes Documentation
❖ Other Information	None

2. Changes in Release (2018.5)

- 4 customer-identified or internally identified issues since 2018.4
- Improved product quality due to additional internal fixes.

3. Release Summary (2018.5)

Key	Customer Issue ID	Summary
GENSYMCID-8425	-	G2 aborts while loading a corrupted KB
GENSYMCID-8710	410508	Memory connection-item memory leak for stubs
GENSYMCID-8759	433499	Missing calls check on kb load did not consider tabular functions
GENSYMCID-8764	430444	License when Chinese and/or Korean is included generates an error

4. Release Details (2018.5)

GENSYMCID-8425: G2 aborts while loading a corrupted KB

Issue: G2 aborted on reading unexpected character while loading a KB.

Solution: This is handled gracefully: the KB loading is cancelled and a warning is reported to the operator.

GENSYMCID-8710: Memory connection-item memory leak for stubs

Issue: Due to an oversight in "connection v2.0" implementation, connection stubs were not reclaimed when an item was deleted.

Solution: Now stubs are properly reclaimed.

GENSYMCID-8759: Missing calls check on kb load did not consider tabular functions

Issue: G2 recompiles functions that contain references to missing system procedures and functions, and tabular and foreign functions were falsely considered "missing".

Solution: Added tabular and foreign functions to "existing functions" set.

GENSYMCID-8764: License when Chinese and/or Korean is included generates an error

Issue: `current-window` global variable was not bound for g2 font initialization.

Solution: This was fixed.

5. Release Summary (2018.4)

5.1 Enhancements

Key	Customer Issue ID	Summary
GENSYMCID-5823	-	Enable text magnification in icons
GENSYMCID-7898	-	A new sysproc g2-get-type-of-file-system, which returns the actual type of FS, is added
GENSYMCID-7899	-	A new sysproc g2-uname, which returns OS info, is added

5.2 Issues

Key	Customer Issue ID	Summary
GENSYMCID-6920	-	No check when closing G2 from TaskBar in Windows 10
GENSYMCID-6959	-	Trailing space in contents of the text of a name box
GENSYMCID-6960	-	No error if change of font size (format) not possible for g2-set-font-of-text-box
GENSYMCID-6961	-	System procedure g2-write-code-coverage-report uses a non-existent system call
GENSYMCID-7044	-	If Icon is inherited, one can't edit it in the text editor, only in Icon Editor
GENSYMCID-7288	-	G2 procedure editor silently discards changes when closing with 'x' button
GENSYMCID-7294	293091	HTML View crash TWNG
GENSYMCID-7403	293360	Oracle bridge crash
GENSYMCID-7549	-	G2 XL Spreadsheet: A false truth-value Updates the Views after Deleting the Columns/Rows
GENSYMCID-7591	-	G2 STD 64 crashes via G2COM icon reading if the icon text contains Japanese
GENSYMCID-7746	300771	Size of spreadsheet cell is changing when editing
GENSYMCID-7771	-	TW/TWNG closes when attempting to connect to G2 which is loading a particularly large kb

GENSYMCID-7774	300776	Scroll-escalator disappears
GENSYMCID-7794	302602	Reconcluding png background image for ws aborts G2
GENSYMCID-7818	-	G2 on Windows silently exits when there is a problem with the ok file
GENSYMCID-7828	-	No way to inhibit KB start when running G2 with a "-kb" argument
GENSYMCID-8002	-	G2 file selector cannot complete repeating directory names
GENSYMCID-8052	308434	When an error occurs in a procedure that deletes an instance the reference to a deleted instance gets redirected to the signaled error
GENSYMCID-8426	393506	Label control type not supporting text wrapping
GENSYMCID-8461	393500	Null values at the end of a data series in charts cause issues for the other series

6. Release Summary (2018.3)

6.1 Enhancements (Enterprise only)

Key	Customer Issue ID	Summary
GENSYMCID-5821	-	Enable setting the symbol shrink-wrap in dialog definition
GENSYMCID-5824	-	Enable text magnification for name boxes
GENSYMCID-5825	-	Enable text magnification for attribute displays
GENSYMCID-5826	-	Control position of Horizontal scrollbar of a workspace
GENSYMCID-5827	-	Control position of Vertical scrollbar of a workspace
GENSYMCID-5832	-	Ability to utilize the latest features offered by Gigasoft v7
GENSYMCID-6445	-	Ability to utilize the latest features offered by Gigasoft v8

6.2 Issues

Key	Customer Issue ID	Summary
GENSYMCID-5917	-	TWNG abruptly exits if dialog-width of a dialog is not an integer
GENSYMCID-5918	-	When dialog-width of custom dialog is <0 TWNG erred

GENSYMCID-6415	-	Make TW/Linux closeable again
GENSYMCID-6425	-	G2 abort reporting to file and (not to) email
GENSYMCID-6465	-	Normalize directory and symlink behavior
GENSYMCID-6536	-	g2-spawn-process-with-args ignored non-existing binary on Linux
GENSYMCID-6591	279957	Multiline label for push buttons
GENSYMCID-6780	-	Editor losing chars after paste
GENSYMCID-6787	-	Impossible to add on error to end of for
GENSYMCID-6918	-	G2 "internal" shutdown is too shy about KBs w/unsaved changes
GENSYMCID-6919	-	Shutdown from Windows TrayBar doesn't respect changes/running
GENSYMCID-6949	-	GSI 64-bit error
GENSYMCID-7100	-	Telewindow's "-tcptimeout" command line switch didn't work

7. Release Summary (2018.2)

Key	Customer Issue ID	Summary
GENSYMCID-5920	-	Posting custom/dynamic dialogs does little error checking
GENSYMCID-6021	-	G2-2018.1 STD 64 issues with libiconv.dll
GENSYMCID-6083	260208	G2-2015.20 fatal error

8. Release Summary (2018.1)

Key	Customer Issue ID	Summary
GENSYMCID-2043	-	Unicode filenames not working for G2 Linux due to the use of C locale

GENSYMCID-3615	-	G2 OPC bridge doesn't handle OPC timestamps correctly
GENSYMCID-4501	-	Saving in XML doesn't save the change log
GENSYMCID-5234	227430	TW flicker on Windows 8.1
GENSYMCID-5414	228466	problem changing font of text dialog control
GENSYMCID-5415	228360	is there a way to make grey lines around workspace control be black or gone
GENSYMCID-5514	230422	Concluding integers to float-parameter initial values
GENSYMCID-5515	230342	win32-styles dialog component specification behavior is inconsistent
GENSYMCID-5533	230658	Large SOAP requests result in G2 Abort
GENSYMCID-5537	230744	G2 allows setting a negative time interval
GENSYMCID-5539	230795	Setting of a symbolic attribute to the value of none results in an error
GENSYMCID-5589	-	Text-font-size does not use the Windows font point size
GENSYMCID-5637	-	Remove hostlookup binary
GENSYMCID-5711	236945	Trend chart traces still have gaps
GENSYMCID-5735	241513	The content of the native message board displayed in twng.exe does not smoothly scroll when using a mouse wheel
GENSYMCID-5817	-	Enable setting dialog dimension for the client area
GENSYMCID-5818	-	User can set custom/dynamic dialog width to be auto-sized on posting
GENSYMCID-5819	-	User can set custom/dynamic dialog height to be auto-sized on posting
GENSYMCID-5820	-	Provide options for rendering custom/dynamic dialogs that can't fit into TWNG window
GENSYMCID-5831	-	Include ability to wrap-text inside the cells of a grid-view control
GENSYMCID-5999	-	Unable to display text in labels dialog

9. G2 2018 Platform Matrix

G2 STD/ENT (2018)	Windows 7	Windows 8.1	Windows 10	Windows Server 2008 / 2008R2	Windows Server 2012 R2	Windows Server 2016	LINUX Distributions
G2 Server (STD, 64-bit)	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	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	Please see here for full list
G2 Next Gen Client (Telewindows NG)	Yes	Yes	Yes	Yes	Yes	Yes	N/A

Notes:

1) Gensym Enterprise and Standard 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.

