

Spreadsheet Server Release Notes

Version: 14.8

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Enhancements/Changes in Version 14.8

Installation/Upgrade

Installation

In an effort to simplify and speed up the installation process, the following changes have been made to the installation program:

- Added the folder, _Common, in the C:\Program Files\Global Software Inc\Spreadsheet Server folder, and modified the install program to place all dlls and executables in this folder.
- Removed the Distribution Manager, Spreadsheet Writeback, Profile Scheduler and Query Designer merge modules (.msm).

Spreadsheet Server

Cache

The Clear Cache and Recalculate button on the Spreadsheet Server ribbon has been enhanced to also clear GSI Service Cache data.

Query

The Query pane in Excel had been enhanced to display ellipse buttons, when appropriate, allowing the user to execute the user defined “lookup” query in order to select the desired parameter value to be used for processing.

Convert SS Formulas

A new option, Convert SS Formulas, has been added on the Tools submenu on the Spreadsheet Server ribbon, allowing the user to convert all Spreadsheet Server formulas (e.g. GXL, GXD, GXE, GEXQ, GEXD, etc.) to values for the current sheet or workbook.

Log Viewer

GSI Service messages have been incorporated into the enhanced logging feature.

Data Services - OData Connection Type

Various changes have been made in Spreadsheet Server, including Profile Scheduler and Query Designer, to support the processing of ad hocs, Designer GLs and queries (.edqs) which use an OData Data Services connection type.

Encryption

Processing in Spreadsheet Server, including Profile Scheduler, Query Designer and Spreadsheet Writeback, has been enhanced to support encrypting and/or decrypting of the ad hocs, connections, Data Services, Designer GL and query (.edq) files.

Stored Procedures

Logic has been added to restrict by user the execution of stored procedures used in Spreadsheet Server, including Profile Scheduler and Query Designer (i.e. Designer GL definition, query formulas GEXQ, GEXD, GEXS or GEXI, or query (.edq) in a Custom Table Load job). This restriction is based on the user's security setting in the Application Configurator.

Miscellaneous

Code has been modified to ensure that all Global Software web communications are compliant with both TLS 1.1 and TLS 1.2.

Formulas

GXE

The following enhancements have been made for GXE formulas:

- Enhanced the GXE formula for account balances to retrieve a separate description for each account segment via new literals, ACCTDESCnn (where nn = segment number).
- Reduced the memory footprint when processing GXE formulas.

GEXD

The output performance for GEXD formulas has been improved by removing the temporary GEXD.txt file and writing data directly to Excel.

Spreadsheet Writeback

Oracle API

The following enhancements have been made for processing writebacks using an Oracle API:

- Modified the P_Validate parameter to be a required parameter on the Builder sheet for appropriate APIs, thus allowing users to set the default value on the Builder sheet but not have to include the parameter on the Loader sheet.
- Enhanced to automatically format data columns on the Loader sheet based upon the Data Type specified for the field on the Builder sheet.
- Made various changes to improve processing time for Oracle API writebacks.

Profile Scheduler

Custom Table Loads

Logic has been added to utilize Kerberos single sign-on for Custom Table Load jobs using an SAP NetCo 3.0 connection type.

Query Designer

Tables (DSN)

The schema has been added to the table name on the Tables panel for queries using a DSN connection type with SQL Server syntax.

Tables (SAP)

In an effort to reduce the time required to load tables, the process for loading tables for a query using an SAP connection type has been modified:

- Upon initial entry to the Tables panel, no tables will be loaded. The user will be required to key criteria in the Search For field and then click the Search button. The system will load the table(s) matching the search criteria to cache. The user will repeat this process to load additional tables to cache. Leaving the Search For field blank and clicking the Search button will load all SAP tables to cache.
- Upon subsequent entry to the Tables panel, tables are loaded from cache.
- When the user clicks the Refresh button, the cache will be cleared and then repopulated with tables previously flagged as favorites.

Fields

For queries using an Oracle connection type, the new field type, Outlook Email, has been added for displaying a .MSG file.

Method Parameters

For queries using a Data Services connection type, the Method Parameters quadrant has been enhanced to only list method parameters that are required by the web service and non-required method parameters that the user adds as fields to the query.

Sub Query

A new key, %SS_SEG##%, has been added as an available Sub Query Column value, where the user replaces ## with segment number being referenced.

Stored Procedures

The following enhancements have been made to the new function, Stored Procedures:

- Added the conditional menu item, Add Stored Procedure, to the Query Designer ribbon, allowing the user to specify the name of the stored procedure to be processed by the query. The Add Stored Procedure menu item is only visible when the user has authority to execute stored procedures, the query uses an Oracle or SQL Server connection type, and the query does not have any assigned tables.
- Modified processing in Query Designer to disallow non-SELECT statements from being saved and executed. If the user has authority to execute stored procedures, then the non-SELECT statement, EXECUTE, may be used.

SAP Connection Type

Logic has been added to the Query Designer component to utilize Kerberos single sign-on for queries using an SAP NetCo 3.0 connection type.

Designer General Ledgers

Settings

New buttons, Modify Layout and Remove Layout, have been added on the Spreadsheet Server Settings - Ledger Specifics - Designer GL - 1st Drill Down panel, allowing the user to change the output (i.e. which fields display and the order of the fields) on the Account Balances drill down panel. This panel is password protected. When implemented, the modified drill down layout is stored in the Designer GL definition, and thus applies to all users using the definition.

Drill Downs

The ability to drill down to an ad hoc query or sub query from the Drill Down - Group By Segment feature has been added for Designer GL ledgers.

SAP® General Ledger

Settings

SAP Single Sign-On related options have been added on the Spreadsheet Server Settings - Ledger Specifics - SAP panel, allowing the user to override the security DLL path if necessary.

Build a Template

Multiple NEWGL_VSegment.xml files have been delivered in the installation package, allowing the user to retrieve a list of segment values for the NEWGL SAP special ledger via the ellipse buttons on the Build a Template - GXL panel.

SAP Adapter

The following enhancements have been made to the SAP Adapter:

- Modified RFCs to use an unprintable character as the data delimiter.
- Modified RFCs and profiles to allow for using S4 HANA.

Transports

New transports, GL0K901582 - NW7+ with Number Range, GL0K901583 - NW7+ without Number Range and GLXK900025 - S/4 Hana 1610+ with Number Range, have been delivered in the installation package.

NOTE: Transport without Number Range is recommended for clients with existing Global Software transport number equal to or higher than GL0K901321. Transport with Number Range is recommended for new clients or clients with existing Global Software transport number lower than GL0K901321.

NOTE: As of Spreadsheet Server version 14.5.134, SAP Netweaver 7.0 or higher **MUST** be installed in order for Spreadsheet Server to connect to an SAP database.

Miscellaneous Errors Corrected

Installation

Made the following changes to the installation program:

- Modified to only prompt to uninstall prior version when the prior version is less than V14.
- Prevented reboot of the PC during the install of prerequisite components.
- Modified to install newer version of SQLite.

Settings

Made the following changes to the Spreadsheet Server Settings function:

- Modified the label for the GL Reporting option, Drill Down: Include zero balance accounts with activity, to include Expand GL Row and GXE.
- Widened the Connection Name drop down on the Settings - Ledger Specifics - Designer GL panel in order to display values properly when using a larger DPI.

Build a Template

Made the following changes to the Build a Template function:

- Modified to open a new workbook when no initial workbook is open and clicking Build a Template from the Spreadsheet Server ribbon.
- Modified to properly clear and reset account segment values to an asterisk (*) when a different Designer GL ledger or SAP ledger is selected on the Build a Template - GXL panel.
- Corrected to display all Smart Parm parameters for a query using a Data Services connection type on the Build a Template - GEXD panel.

Cache

Updated dependency .dlls in the Global SmartCache WRT component.

Drill Downs

Made the following changes to the Drill Down function:

- Corrected the sum footers on Drill Down panels to reflect the current drill down totals, instead of the totals from when the grid layout was previously saved.
- Modified behavior when selecting a tab from the drop-down list on the Drill Down panel to move the selected tab to the left and make it the focus.
- Modified to return appropriate records when drilling down to account balances for period 0.

Expand GL Row

Made the following changes to the Expand GL Row function:

- Modified to expand rows properly for a GXL formula that references segments on a different worksheet.
- Modified to expand rows properly when multiple GXL formulas reside in a single cell, instead of issuing an error message.
- Corrected Expand GL Row and Expand GL Row by Segment options to function properly on a French operating system.

Query

Corrected to display all Smart Parm parameters for a query using a Data Services connection type on the Excel Query pane.

Segment Lists

Corrected details on the Segment List Maintenance panel to appear correctly when first opening the panel with no segment selected in the workbook.

Upgrade Workbooks

Modified the Upgrade Workbook function, after converting formulas, to prompt the user to turn off the Lotus Transition Formula Evaluation option, thus allowing the converted formulas to calculate properly.

Miscellaneous

Made the following miscellaneous changes:

- Updated various properties displayed on the Programs and Features panel for Spreadsheet Server.
- Modified icons displayed for various options on the Start>Global Software Spreadsheet Server menu.
- Corrected license verification throughout product to honor deactivation dates when the user is working disconnected from the internet.
- Modified to calculate only the active workbook on a Workbook.Open event in Excel.
- Corrected the Fix Broken Links tool so GEXQ enclosed in 'If' statement has the path removed.
- Implemented TrustServerCertificate string property for SQL Server connections throughout all Spreadsheet Server components.
- Updated Global's signing certificate.

GXE

Modified to support generating GXE formula to more than 371 balances.

SSLDESC

Corrected SSLDESC formula to retrieve description for newly added segment list.

GEXQ, GEXD, GEXS, GEXI

Made the following changes to the GEXQ/GEXD/GEXS/GEXI query formulas:

- Corrected manually written query containing comments to run properly in Excel (e.g. GEXQ, GEXD, GEXS and GEXI formulas).
- Corrected to generate GEXD formulas properly to multiple tables on the same worksheet.

Distribution Manager

Made the following changes to Distribution Manager:

- Modified Maintain Specifications to retain and insert the formula specified in a spec parameter instead of the evaluated formula result.

- Modified to retain cell selection on the active worksheet after distribution.
- Modified to set active cell to the first visible cell on the first sheet in the distributed workbook.
- Corrected to reset flag after failing sheet runs fall back routine so remaining sheets convert formulas properly.

Spreadsheet Writeback

Made the following changes to Spreadsheet Writeback processing:

- Corrected Validation and Writeback functions for an Oracle API writeback to process all rows in the Loader when the rows are populated by a GEXD.
- Prevented an error when creating the template for a JDE Orchestration writeback when the associated worksheet name contains a space.

Profile Scheduler

Prevented the system from locking Access database(s) when manually running a Load Local INF job in Profile Scheduler.

Query Designer

Made the following changes to Query Designer:

- Modified Auto-Alias Fields option in the Query Designer Settings to be set by default for new installs.
- Modified to not display a connection in Query Designer when the associated host configuration for Infinium, JD Edwards and/or SAP is not set in the Application Configurator.
- Modified code to prevent dropping a SAP connection in various scenarios.
- Prevented error when refreshing the list of tables on the Tables panel and object security is enabled in the Application Configurator.
- Modified menu item label, Refresh Field Names from Source, on the right click Table menu.
- Corrected Get Values option on the Builder panel to process correctly when the selected field name contains a hyphen.
- Corrected Export to CSV to function properly when the data on the ResultsContainer panel contains a comma.
- Prevented manually written SQL from capitalizing table and field names for queries using an SQL Server connection type.
- Combined Save and Save As code.

BPCS®

Made the following changes for BPCS ledgers:

- Modified the Upgrade Workbook function to process correctly for BPCS ledgers when the Remove Leading Ledger from Account String option is selected.
- Corrected Future datagroup GXL balance for BPCS 4.05 ledgers to display properly for periods 7 and higher.

Designer GL

Made the following changes for Designer GL ledgers:

- Modified to properly clear and reset account segment values to an asterisk (*) when a different Designer GL ledger is selected on the Build a Template - GXL panel.
- Modified the Build a Template function to properly insert a GXL formula when the Designer GL definition extension (.XML) is upper case.
- Corrected GXLs and drill downs to function properly when using tasks for NetSuite Designer GL using a DSN connection type.
- Modified the Upgrade Workbook function to assign the currency code from the Spreadsheet Server Settings when converting a legacy GXA formula without a currency code for a Global Software Designer GL.

Infinium®

Corrected to populate adjustment period 14 amounts in Cache for Infinium ledgers.

JD Edwards®

Made the following changes for JD Edwards ledgers:

- Modified security processing to function properly when multiple roles are assigned to a username.
- Corrected GXL formula to properly process wildcards on nvarchar fields when using an SQL Server connection type.
- Modified the Upgrade Workbook function to properly convert legacy GXA formulas to GXL formulas when the business unit segment is two cell references concatenated together.
- Modified the Upgrade Workbook function to properly convert legacy GXA formulas to GXL formulas when account segment delimiters are cell references.
- Corrected the Upgrade Workbook function to properly convert category codes to @ fields, assigned either the Field Name or Alias Name based upon set up in the Configurator.

SAP

Made the following changes for SAP ledgers:

- Corrected miscellaneous issues when connecting to an SAP database using a Legacy SAP GUI host configuration.
- Corrected GXL to use proper function and calculate properly when using a Legacy SAP GUI host configuration.
- Corrected error that prevented exclusion characters other than '/' from working.
- Modified to properly clear and reset account segment values to an asterisk (*) when a different SAP ledger is selected on the Build a Template - GXL panel.
- Modified to set RFC properly when reprocessing SAP Queries (SQ00) or SAP T-Codes, or when changing between the two.
- Modified the Dynamic SQL RFC to include all column descriptions when '*' is included in a Select statement.
- Corrected connection mapping for an SAP Designer GL to use the connection assigned to the definition instead of the default or first SAP host configuration.
- Modified to display the correct account segment values on the drill down panel when the original GXL references wildcards for an SAP Special Ledger.
- Created a single SAPConnector to consolidate and centralize SAP code for returning data, and migrated code throughout the product to use the single SAPConnector.
- Corrected SAP Adapter to pass parameter amount values properly from SAP for T-Codes.

Documentation

The application user manual has been updated to reflect all changes.

Enhancements/Changes in Version 14.8.1

Miscellaneous Errors Corrected

Settings

Corrected to properly save the Balance SQL Statement Hint value on the Settings - Ledger Specifics - Oracle panel.

GEXD

Corrected, when appropriate, to clear the range when no results are returned for the GEXD formula.

Right Click Menu

Corrected to display Spreadsheet Server and Distribution Manager right click menus from within a table in Excel.

Query Designer

Modified to prevent a user without stored procedures permissions from accessing the stored procedure function in Query Designer after they add a table and then remove the table.

Designer GL

Made the following changes to Designer GL:

- Corrected GXLs to function properly when the Configurator option, User is allowed to execute Stored Procedures, has not been defined.
- Corrected error where SELECT statements for Oracle Designer GLs were being flagged as a stored procedure.

Profile Scheduler

Modified to properly close all Access local database objects when running a Load Local INF job in Profile Scheduler.

BPCS 6.04+

Corrected Spreadsheet Server to start properly when operating completely disconnected from host (Load Local mode).

JD Edwards

Corrected GXD for Business Unit description to function properly when the Business Unit segment value contains a dash.

Documentation

No changes were required to the application user manual.

Enhancements/Changes in Version 14.8.2

SAP® General Ledger

Transports

New transports, GL0K901612 - NW7+ with Number Range, GL0K901613 - NW7+ without Number Range, GLXK900027 - S4Hana with Number Range and GLXK900026 - S4Hana without Number Range, have been delivered in the installation package.

Miscellaneous Errors Corrected

Expand GL Row by Segment

Corrected Expand GL Row by Segment function to retrieve proper accounts for parent groups and/or hierarchies in second and/or subsequent columns, when the first column is for a different year and the account has a zero balance.

Miscellaneous

Corrected the Fixed Broken Links feature to function properly when the path contains a tilde ("~").

GXL

Corrected GXL formula segment processing for a foreign OS to properly use the override list separator character defined in the Spreadsheet Server Settings.

GEXD

Made the following changes to the GEXD formula:

- Prevented system from incorrectly converting pipe characters to commas when generating a GEXD formula.
- Prevented system from placing the starting cell value in the starting cell when the GEXD formula is generated and no data is returned.
- Modified to retain previous formatting when the GEXD formula is generated.
- Corrected the %GEXDROW% function to return the proper relative row number.

Query Designer

Made the following changes to Query Designer:

- Resolved file association with query (.edq) files during installation.

- Corrected Query Designer to recognize a valid license key after doing a new install and importing the Configuration files.
- Prevented Query Designer from crashing when running a GEXQ that uses a segment list in a smart parm value.

Designer GL

Corrected ad-hoc drill down to function properly from multi-column drill down function.

JD Edwards

Corrected drill down to function properly when regional settings are set to South Africa and using a semi-colon for the list separator.

SAP

Made the following changes for SAP ledgers:

- Modified the parsing logic used for processing SAP Queries (SQ00) to handle correctly strings of data containing column separators used by SAP.
- Corrected the SAP Query (SQ00), /KYK/ISQ_12284, to display proper results when the GEXD formula is generated.
- Corrected drill down on GEXD formula for SAP Query (SQ00) to function properly when the General Ledger Type is not set to SAP.

Documentation

No changes were required to the application user manual.

Enhancements/Changes in Version 14.8.3

Miscellaneous Errors Corrected

GXL

Corrected GXL to properly calculate and process (i.e. Build a Template, Formula Assistant, Drill Down, GXE, Expand GL Row by Segment) when the regional settings and the override list separator is set to a semicolon.

Distribution Manager

Removed display of delete confirmation panel during distribution when spec line is set to remove non-distributed sheets prior to processing.

Spreadsheet Writeback

Modified program to not perform a TRIM operation on a parameter with a null data value to prevent errors when processing an Oracle API writeback.

Profile Scheduler

Corrected Custom Table Load job to process properly when a custom view uses a saved query (.edq) containing aliased fields.

JD Edwards

Corrected GXL to return proper balances for Designer GL with 365 periods when in dual ledger mode (i.e. General Ledger Type is JDE).

Oracle

Modified GEXD formula to use a DataReader to reduce processing time when loading large amounts of data.

Documentation

No changes were required to the application user manual.

Enhancements/Changes in Version 14.8.4

Spreadsheet Server

Hide Rows

The Hide Rows function has been enhanced to include the ProSheet formula, AccountData, results when determining whether to hide a row with zero balances.

Miscellaneous

ProSheet formulas have been added to the Convert Formulas to Values feature for both Spreadsheet Server and Distribution Manger.

Distribution Manager

Distribute Workbooks

The following enhancements have been made to the distribution process in Distribution Manager:

- Added logic to evaluate the ProSheet formula, AccountData, when determining whether to hide zero lines.
- Added logic to convert ProSheet formulas to values when the Convert Formula to Values option is set to Global Only.

SAP® General Ledger

Sign on

Logic has been added to implement single sign on processing when using the SAPCRYPTO.dll.

Transports

New transports, GL0K901663 - NW7+ with Number Range, GL0K901662 - NW7+ without Number Range, GLXK900029 - S4Hana with Number Range and GLXK900028 - S4Hana without Number Range, have been delivered in the installation package.

Miscellaneous Errors Corrected

Distribution Manager

Modified to not send delete prompt during distribution when spec line is set to remove non-distributed sheets prior to processing.

Profile Scheduler

Made the following changes to Profile Scheduler:

- Corrected Custom Table Load jobs to retain custom column settings defined on the Query Builder panel.
- Added logic to update the path used by scheduled jobs.

NOTE: To implement this code change, after upgrading Spreadsheet Server open Profile Scheduler and then edit and save (click OK) each scheduled job.

JD Edwards

Corrected error when drill down on GXSALES formula where format for date parameter is Date instead of General.

SAP

Made the following changes for SAP ledgers:

- Corrected the Build a Template function to properly display all available account segments for SAP Designer GL, when ledger type is set to SAP.
- Modified RFCs to use pipe (|) as column delimiter.
- Corrected GEXD for SAP Query (SQ00) in Standard Query Area to properly call SAP and return results in Excel.

Documentation

No changes were required to the application user manual.

Enhancements/Changes in Version 14.8.5

Miscellaneous Errors Corrected

GEXD

Made the following changes to GEXD query formulas:

- Prevented GEXD formula from returning inconsistent record counts when retrieving large sets of data.
- Corrected the subsequent execution of a GEXD query formula using an SAP connection type to generate properly when the previous execution failed.

Spreadsheet Writeback

Modified the name of the image on the Loader sheet for an Oracle API writeback to GSILogo to prevent processing errors.

Designer GLs

Corrected drill downs to function properly for Designer GL ledgers in upgrade scenarios where the User is allowed to execute Stored Procedure option in the Configurator has not been set.

SAP

Corrected to properly display all account segments on the Build a Template panel for SAP Special Ledgers when the ledger has more than 16 segments.

Documentation

No changes were required to the application user manual.