

Release Notes

ClearSQL 7.1.2 (build 181)

NEW FEATURES

- **NEW:** Exclusion of code lines from Flowcharts. It is now possible to exclude lines of code from a Flowchart diagram by defining exclusion templates.
 - Added a new page: “Code Analyzer Options > Diagram Options > Flowchart > Code Line Exclusion”.
- **NEW:** Suppression of rule violations. It is now possible to suppress violations of Code Review Rules for specific object names.
 - Added a new page: “Code Analyzer Options > Code Review Options > Rule Violation Suppression”.

IMPROVEMENTS

- **Code Review Rules**
 - It is now possible to filter rules by the “deprecated” category.
 - Rules that have become outdated are now marked as [Deprecated] in settings, Code Review results, etc. Such rules are disabled by default.
 - It is now possible to turn on/off a rule by selecting the check box in the “Enabled” column in the list of rules.
 - Rules will all their details can now be exported to XML and imported from an XML file back to the application.
 - New rules:
 - “Always open a DBMS_SQL cursor with Security_Level = 2”
 - “Avoid trailing comments on one line with code”
- **Analyzer Progress**
 - Optimized the layout of the GUI elements in the Analyzer Progress window.
 - Updated information messages that appear before opening the Analyzer Progress window.
- **Project Report Assistant**
 - It is no longer possible to change the font size and style in the report tree – only font name.
- **Project Manager**
 - Optimized the layout of the GUI elements on the Filter tab.
- **Structure View**
 - It is now possible to hide empty reports from the Structure View. The option “Hide empty reports” was added to the Structure View toolbar.
- **Database Connection Window**
 - By default, database connections are now sorted by “Time”.
- **Installer/Updater**
 - When the application is being updated or a new version is being installed, and there’s the other instance running, the user is now prompted to save changes (if any) and close it to continue the update/installation.
- **Code Analyzer Options**
 - Added a drop-down list with examples of regular expressions to the “Regular Expressions” field in the pattern editor.
 - Renamed the Code Analyzer Options file with default settings to “Default_CA-Options.xml.”
- **Job and Schedule Manager**
 - It is no longer possible to save a job if selected linked folders are empty and the “Refresh selection before analysis” option is disabled.

- **Preferences**
 - Optimized the layout of the GUI elements on the pages in Preferences.
- **Project Tree**
 - Applied a new icon for the New Script option.

BUGS FIXED

- **Code Analyzer Options**
 - Size and position of the “Select Code Review Rules to Suppress Violations” window is now restored correctly after restart.
 - Fixed the scroll bar on the XPath expression panel on the Code Review Options page.
 - The “Filter by” field on the Code Review Options page is now reset to a default value on clicking “Reset Current Page/All Pages to Default”.
 - All XPath expressions and rationales now fit in the panels.
 - Fixed scrolling on the Code Review Options page.
 - Removing the check marks of the child items under a naming rule pattern now removes the check mark from the pattern itself.
 - It is no longer possible to edit naming rule templates when Code Analyzer Options are protected.
- **Code Review Rules**
 - A function declared inside a procedure no longer violates the rule “A RETURN statement is used in a PROCEDURE”.
 - Fixed highlighting of functions in the rules #14, #42, #45, #74, #66, #82.
 - Added a code sample to the rule “The INSTRUMENTATION percentage of a stored program is below the specified minimum”.
 - Fixed code examples for the rules “A RETURN statement is used in a WHILE loop” and “Too many OR operators at the same level of the WHERE clause”.
 - Changed the code element of the “Cursor reference to an external variable (use a parameter)” rule to “Cursor”.
- **Call Trees**
 - Fixed export of diagram legends.
 - Subprograms with incoming calls are displayed along with other subprograms of the package.
 - Call tree diagrams are now exported with correct file names.
 - The state of the legend panel (shown/hidden) of Call Tree diagrams opened from CRUD is now restored correctly.
 - The pop-up window with call tree diagrams opened from CRUD matrices is now centered correctly.
 - Unnecessary map files are no longer created when exporting Call Tree diagrams as images.
- **Flowcharts**
 - Fixed the selection of scripts in the Project Tree on clicking “Click to filter project tree by flowcharts”.
 - In Flowcharts, overloaded procedures now have numeric indexes.
- **Flowcharts / Call Trees**
 - Copying diagrams in GIF format to the Clipboard now works correctly.
- **CRUD Matrices**
 - Applying a filter on the CRUD2 tab no longer triggers any errors.
 - Fixed counting of data objects and stored objects in CRUD matrices exported to Excel.
 - Fixed filtering of CRUD2 matrices.
 - Object and script names of subprograms are no longer missing in CRUD2 matrices exported into XML and JSON formats.
- **Analyzer Progress**
 - Time when analysis was paused is no longer counted as a part of the total elapsed time.

- Fixed the keyboard navigation in the Analyzer Progress window.
- The check box next to the “Generate” option no longer disappears when a Classic Theme is applied in Windows 7.
- An empty “Logs” folder is no longer created in the %APPDATA%\ClearSQL folder during code analysis.
- **Project Report**
 - Locating source code from Call Tree and Flowchart diagrams in a project report now works correctly.
 - Filtering and grouping settings of the summary page in a project report are now correctly applied from “Project Report Assistant > Summary Options > Panels Content”.
 - Fixed script status links on the project summary page.
 - Removed diagram links from the folder summary page.
 - Fixed counting of Call Tree diagrams in a project report.
 - Fixed filtering in a project report.
 - Fixed counting of scripts selected for a report when the Project Tree is filtered.
- **Project Report Assistant**
 - Reports now open without issues when Microsoft Edge is selected as a default browser.
 - When a report is loaded to ClearSQL from the file system, its report name, project name, size, and author are shown correctly on the Report History tab.
 - Column names on the Report History tab now fit in the window.
 - Reports on the Report History tab are now assigned with icons of a browser that is selected in Preferences.
 - The user is no longer prompted to save changes to a template that has not been modified.
 - Page descriptions are no longer mixed up when the Report History tab is opened from “Tools > Project Report Assistant > View Report List”.
 - Size of a report file is now counted correctly.
- **New Project / Import Wizard**
 - Names of previously created reports are no longer repeated three times in the “Enter a new project name” drop-down list.
 - Fixed autofit in the New Project Assistant and Import Wizard.
 - The file system tree is now refreshed correctly after import.
 - The root node in the new project tree is no longer shown in gray.
- **Project Tree**
 - Multiple selection of scripts in the Project Tree now works correctly when the All Call Trees tab is active.
 - Renaming a project by double-clicking the root node in the Project Tree no longer triggers the “Rename Project” dialog box.
- **Preferences**
 - It is now possible to edit names/values of variables on the SQL*Plus page.
 - Disabling the “Use Proxy Server” option no longer triggers a message about empty user name.
 - The instant help shown for Pseudocode on the Main Window page is no longer cut.
 - A file with preferences is now by default saved to %UserName%\Documents\CLEARSQL.
 - Fixed the spin boxes on the Project Tree and Print pages.
 - Fixed search on the Main Window page.
 - “Main Window > Summary > Code Metrics > Sort by”: Removed the instant help button and flagged metrics filter button.
 - Exported HTML files now open in the browser selected in Preferences, not in the default Windows browser.
- **Database Connection Window**

- Trying to connect to a database without a password no longer causes EurekaLog to create a screenshot in the folder *%AppData%\ClearSQL\Updates*.
- Fixed positioning of the “Oracle Database Connection” window on the screens with 1366×768 resolution.
- Fixed sorting in the grid.
- Resetting sorting is now applied to all columns in the grid.
- **Core**
 - The error “Printer is not currently printing” no longer occurs on closing the “Save Print Output As” window.
- **Code Analyzer**
 - All invalid values are now marked in red in diagrams.
 - Parser statuses of Oracle Forms are now changed correctly after analysis.
- **Structure View**
 - REPLACE is no longer detected as a built-in function.
 - Fixed sorting of Structure View results in the Analyzer View, in a project report, and when exported to HTML, XLS, CSV, or XML.
- **Pseudocode**
 - Pseudocode is no longer generated when the tag – *##* is inserted in a script without a comment.
- **Project Manager**
 - All filters on the Filters tab are now grayed out when disabled.
- **Online Support Desk (OSD)**
 - Fixed the layout of the new message window when DPI 125% is applied.
 - Fixed update status shown on the status bar after a failed update check.
- **Main Toolbar**
 - All toolbar buttons now fit in the main toolbar.
 - Changing the order of icons no longer causes the icons to mix up.
- **Summary Info**
 - It is no longer possible to scroll graphs on the Code Metrics panel.
 - Removed the Help button from the Errors and Alerts panel.
- **Analyzer View**
 - Fixed autofit on the Versions tab.
 - Fixed autofit on the Code Metrics tab.
 - Clicking the “Properties” command now correctly opens the Properties tab if even the “Script: Editor and Analyzer Info” tab is not active.
 - The order of subtabs on the Summary tab is now restored at the next application launch.
- **New Project / Import Wizard / Link Manager**
 - When the “Hide system/demo schemas” option is enabled and database connection was done under a system user, the connection schema now stays visible in the object tree.
- **Link Manager**
 - Fixed autofit in the Link Manager.
- **Job and Schedule Manager**
 - Job execution is no longer started on clicking “Cancel” in the confirmation message that appears after clicking “Run Job Now” if there are unsaved changes in the project.
- **Analysis History**
 - Time of last analysis shown in a report no longer differs from the time shown on the Project Analysis History tab.
- **Code Review**

- Fixed size of rows in an exported Excel file.
- **Code Metrics**
 - Subprograms of an object type body are now always shown correctly in Code Metrics.
- **Code Editor**
 - Clicking "Unlink All" on the Project Tree pop-up menu no longer clears the synchronization history on the Sync History tab.
 - The "Hide empty reports" option is now unavailable when Code Review results are filtered.
- **GUI**
 - Fixed positioning of hints so that they do not overlap essential GUI elements.
 - The eye icon no longer disappears on entering a password.
 - Fixed gutter in formatted code.

REMOVED FEATURES

- **Code Review Rules**
 - The rule #107 "Calls to EMD_SYSTEM may cause security issues" has been deprecated.