

Release Notes

ClearSQL 8.0.1

NEW FEATURES

- **NEW: Metered License.** A new license that provides a monthly subscription including 100.000 lines of code.
- **NEW: Technical Debt.** A new code metric to calculated an assumed cost of fixing structural imperfections in code.
- **NEW: “Avoid duplicate code.”** A new code review rule detecting similar lines of code, blocks, and scripts in a ClearSQL project.
- **NEW: Quality Trend.** A graphical chart representing a trend of issues detected during code analyses.

IMPROVEMENTS

- **Core**
 - The new trial version of ClearSQL is now available without feature limitations and is active for 5 days.
 - The service Annual Maintenance & Support is no longer automatically renewed for another period. Now it will get expired in a year but can be extended for another period upon request.
 - The usage of lines of code in a subscription is shown as a graph in the Startup and Analyzer Progress windows.
 - New startup window:
 - Added the ability to buy a subscription plan from the application.
 - Added a graph representing the status of the subscription plan.
 - Redesigned the look&feel of the window.
- **Analyzer View**
 - Identification numbers of code review rules are now shown in the rationale panel on the Code Review tab.
 - When a folder is selected, the Analyzer View tabs are now hidden as irrelevant. The tabs are shown only when a script is selected.
 - Added the section “Anonymous blocks” to “Structure View > Module Analysis”.
- **Summary Info**
 - Thousands, millions, etc., in the summary results are now shown with the multiplier suffix, e.g. 100k, 2m.
 - Pointing on the parts of a pie chart now shows hints with the corresponding values.
 - Moved the toolbar to the top of the Summary tab.
 - Information about duplicate code is now shown on the Summary tab.
- **SQL*Plus**
 - Optimized work of SQL*Plus.
 - Improved messages related to the SQL*Plus feature.
 - SQL*Plus options are now available on the Code Editor pop-up menu.
- **Import Wizard**
 - Accelerated the work of the options that hide/show system and sample schemas.
 - Added the ability to search for files and objects in the file system and database.
 - File extensions used in the filter are now shown on the status bar of the wizard.
 - Updated the messages shown on trying to import scripts that already exist in the project.
- **Project Manager**

- Html tags no longer appear in the captions of the Code Review filter.
- **Analyzer Progress**
 - Updated the information message shown before running a project analysis.
- **Project Tree**
 - On trying to save a project to another file, the user is now prompted to save changes to the current project.
- **Project Report Assistant**
 - When the project is filtered, the option to select the whole project for a report is now called "Include whole project (filtered)".
- **Project Report**
 - Removed group names from the Observations pages.
- **Code Analyzer**
 - Package body variables are now included in Instrumented Code.
- **Export Wizard**
 - The image export format is now shown on the wizard's status bar.
- **Code Editor**
 - The object owner is now added to default comments generated by ClearSQL on object import.
- **Project Analysis Report**
 - Added a new total value: the number of times a project has been analyzed.

BUGS FIXED

- **Core**
 - An access violation error no longer occurs when an application with a long title is running in Windows.
 - A project copy is now saved under a new name with the postfix "copy".
- **Call Trees**
 - Fixed generation of Call Trees for standalone procedures imported to a ClearSQL Project including their object owners.
 - Fixed highlighting of Call Tree diagrams in SVG format.
- **Import Wizard**
 - Enabling "Hide system schemas" now removes all relevant nodes from the tree.
 - Importing package specs with their package bodies no longer raises the warning message that such objects already exist.
 - Scripts that have comments defined between the object type and object name are now imported correctly.
 - Objects with similar names but different owners are now imported correctly.
 - The option "Uncheck All" on the "From Database" tab is no longer available when nothing is selected in the tree.
- **Preferences**
 - Sorting of the summary code metrics is now reset to default correctly.
 - Default sorting of the summary code metrics in Preferences is set to Cyclomatic Complexity, descending and it no longer differs from the sorting on the Summary tab.
 - The eye icon now works correctly in the "Password" field of the Internet Connection page.
 - Unsaved preferences are no longer restored after restarting ClearSQL.
- **Code Analyzer Options**
 - The filter on the Code Review Options page is no longer hidden when DPI 125% and higher is applied.

- Clicking “Uncheck All” on the Code Review Options page and in the Rule Suppression Template Editor when a filter is applied now unchecks only filtered items.
- **Summary Info**
 - The maximize button is now available on all panels.
 - Script statuses now correctly fit in the “Folder, Scripts, Script Statuses” panel.
- **Project Tree**
 - Clicking “Select None” now leaves one node selected, and the status of the “Analyze” and “Syntax check” options is now validated depending on the type of selection.
- **Project Report**
 - Added explanation hints to the links on the Report Summary page.
 - Invalid or outdated diagrams and matrices in a project report are now marked with a red warning message.
- **Split/Rename Project Script**
 - Fixed the error that is shown on trying to rename a non-txt script.
 - Fixed the error message shown on trying to rename a script according to its object type.
- **Project Manager**
 - Fixed the order of code review rules in the “By Code Review” filter.
- **Analysis History**
 - Summary charts are no longer duplicated.
- **Analyzer View**
 - Fixed handling of the toolbar visibility, so the Analyzer View tabs no longer blink while a new license key is applied in Preferences.
- **Code Review Options**
 - The option “Revert Modifications” now works correctly.
- **Toolbar**
 - The options “Unlink all scripts from the linked sources” and “Unlink selected items from the linked sources” no longer appear in the list of options that can be added to the Project Tree toolbar.
- **GUI**
 - Captions on the Code Review tab are now shown correctly when the Splash window is open.
- **Autofixes**
 - Autofixes are no longer lost when a new script version is created.