

# Release Notes

## ClearSQL 7.1.1 (build 142)

### NEW FEATURES

- **NEW:** Suppression of code review rules violations.
  - It is now possible to suppress violations of code review rules in a whole script or its part. The new option “Add Rule Suppression Comment” was added to the pop-up menu of the Code Editor.

### IMPROVEMENTS

- **Core**
  - Support for Oracle Forms 12c in the 64-bit version of *ClearSQL*.
  - It is now possible to optimize *ClearSQL* projects with the help of defragmentation. The new command “Optimize Project Database” was added to the Project menu.
  - At the first application launch, the user is now prompted to confirm collecting telemetry data. Selecting “I agree...” enables the “Let *ClearSQL* send feature clicks to improve UI&UX” option. You can disable it later at “Options > Preferences > General”.
- **Code Review Rules**
  - It is now possible to print out the rule’s details and violations. The “Print” button was added to the rule editor.
  - It is now possible to locate a rule in the complete list of rules in Code Analyzer Options from the Code Review and Summary tabs. The new option “Locate Rule in Code Analyzer Options” was added to the pop-up menus of these tabs.
  - Added line numbering to the rules’ code samples in Print Preview mode.
  - The total count of rules is now shown in the title bar of the rule editor.
  - Added the “Select All” and “Select None” commands to the pop-up menu on the Code Review Options page.
- **CRUD Matrices**
  - DML operations of CRUD matrices are now linked to the source code. Clicking C, R, U, or D in a CRUD matrix opens a pop-up menu with corresponding lines of code.
  - It is now possible to export multiple CRUD matrices to an excel file.
  - Optimized the CRUD2 generation process.
- **Analysis History**
  - It is now possible to view project report analysis log files from the UI. The “View Analysis Log Files” form is available from the Analyze menu.
- **Call Trees**
  - It is now possible to exclude Oracle system objects from Call Tree diagrams. The new option “Include system objects” was added to “Code Analyzer Options > Diagram Options > Call Tree” and to the Options drop-down menu on the All Call Trees and Call Tree tabs. Disabled by default.
- **Project Tree**
  - Significantly sped up the process of filtering the Project Tree.
  - Renamed the command “Save Project As” to “Save Copy As” on the Project menu.
- **New Project / Import Wizard**
  - It is now possible to control inclusion of comments generated by *ClearSQL* into imported scripts. The new option “Include comments generated by *ClearSQL*” was added to “Preferences > New Project, Import & Link Manager”.

- **Project Report Assistant**
  - It is now possible to control inclusion of a report generated during job execution into the report history. The new option “Add report to ‘Report History’” was added to the Project Report Assistant when it is opened from the Job and Schedule Manager.
  - The process of deleting reports is now indicated with a progress bar.
  - The “Reset Columns to Default” option now affects sorting as well.
- **Job and Schedule Manager**
  - A PC on which a job is running no longer goes to sleep mode until the job execution completes.
- **Preferences**
  - Moved the option “Consider empty line as a statement delimiter” to “Code Editors > SQL Editor”. Disabled by default.
- **Code Folding**
  - Code folding now supports SELECT statements preceded by the WITH clause.
- **GUI**
  - Reorganized commands on the pop-up menu of the “Code Review” tab.
- **Online Help**
  - Added descriptions of the “Preferences > Main Window > Editor” section to Online Help.

## BUGS FIXED

- **Code Analyzer**
  - The CURSOR declaration is now successfully parsed if the RETURN clause or IS clause or RETURN + IS clauses are specified in accordance with the Oracle Documentation.
  - The clause USING NCHAR\_CS in the CHR function call no longer causes a parser error.
- **Project Tree**
  - “Collapse/Expand selected folders” now works correctly.
  - Fixed multiple selection of scripts in the Project Tree for scripts with the error status.
- **Project Report Assistant**
  - An access violation no longer occurs on trying to compress reports of different projects.
  - The “Include Report Description fields on template saving” option now works correctly.
  - The “Find next” option now works correctly.
- **Job and Schedule Manager**
  - A SQL logic error no longer occurs on running a job for the first time.
  - The “Include only selected scripts” option now works correctly in job mode.
  - Removed the “Notifications” page from Preferences in job mode.
  - The date picker in the Schedule Manager no longer disappears unexpectedly on trying to set a date.
  - Irrelevant tabs are disabled in the Project Report Assistant in job mode.
- **CRUD Matrices**
  - Valid CRUD1 matrices are no longer marked as invalid when they are not included in analysis.
- **Link Manager**
  - The “Unlink all” option now works correctly.
- **New Project / Import Wizard**
  - Fixed cancellation of project creation.
  - Fixed the logic of files and folders selection in the file system.

- The root node of a new project no longer appears in gray.
- **Code Editor**
  - Increased the default width of the “Category” column.
  - Fixed highlighting of SQL reserved words.
- **Code Metrics**
  - Locating source code from Code Metrics now works correctly in projects created in previous versions of *ClearSQL*.
- **Code Analyzer Options**
  - *ClearSQL* no longer hangs on clicking the link “Click here to open your email client” on the Profile Owner Information page.
  - Fixed the layout of the UI elements in a minimized Code Analyzer Options window.
- **Pseudocode**
  - The parser status of scripts containing pseudocode is now correctly identified by the parser.
- **Preferences**
  - An error no longer occurs on trying to open Preferences after applying a password on the Profile Owner Information page in Code Analyzer Options.
  - Fixed the behavior of the Apply, OK, Save buttons. The same has been fixed in Code Analyzer Options.
- **Installer/Updater**
  - Fixed the possibility to select data for deletion when uninstalling the application.
- **Find in Project**
  - An access violation no longer occurs on trying to switch to another project when the Search tab is active.
- **Recycle Bin**
  - The Code Editor is no longer shown in the Analyzer View when the Recycle Bin node is selected in the Project Tree.
- **Analyzer Progress**
  - The “Analyze and Format” and “Analyze Without Formatting” buttons in the confirmation message now appear active depending on the initially selected types of analysis.
- **Database Connection Window**
  - A horizontal scroll bar now appears correctly when the Database Connection Window is minimized.
- **Workspaces**
  - Saving changes to a workspace now works correctly.