

# Release Notes

## *ClearSQL 9.2.1 (build 136)*

### IMPROVEMENTS

- **Core**
  - Projects are now automatically saved after being updated to a new version.
- **New Project / Import Wizard**
  - Redesigned work and user interface of the Import Wizard:
    - Renamed the “Add” button to “Add&Link” and added the “Add” option to the drop-down menu.
    - Added the ability to import items and remove them from the Project Tree by double-click and using drag&drop.
    - Removed the “Link/Relink” buttons and added these options to the pop-up menu.
    - Removed the customization of how the items are selected. Now items are imported exactly the way they are organized in the source.
    - Added the “Use Schema Name as Prefix” and “Include Object Owner “ commands to the pop-up menu and removed the “Import to Project Tree” group box.
- **Diagrams (Flowcharts, Call Trees, CRUD Matrices)**
  - Diagram object trees are now populated much faster.
  - Highlighting in SVG diagrams is now enabled by default.
  - Added the quick filter to the object trees in the “All Flowcharts”, “All Call Trees”, “CRUD2”, “Flowchart”, and “Call Tree” tabs.
- **Diagrams (Flowcharts/Call Trees)**
  - Removed the “All Diagrams” option from the pop-up menus of the diagram tabs.
  - All diagrams are now always shown if multiple objects are selected; in a report; in an HTML-file opened in a browser.
  - Diagrams are now shown much faster when multiple objects are selected.
- **Tray Notifications**
  - Notifications are now shown in the Windows 10 notification area.
- **Code Review Rules**
  - Redeveloped “Show Suppressed Rule Violations” to “Hide Suppressed Rule Violations.”
- **Export Wizard**
  - The Pseudocode Wizard now shows only scripts with pseudocode comments.
  - Added the ability to open the target folder from the notification shown after export is completed.
- **Pseudocode**
  - Removed the ability to turn on/off the generation of pseudocode comments. Pseudocode is now always generated by default.
- **Project Report**
  - If a diagram or matrix is not included in the report, it is now indicated in the script status hint.
- **Project Report Assistant**
  - Added the “Yes to All” and “No to All” buttons to the confirmation message shown on deleting multiple reports.
- **Main Toolbar**

- The main toolbar icons no longer blink when the toolbar is being customized.
- **Summary Info**
  - Added a quick filter to “Summary > Code Review > Top Violated Code Review Rules.”
- **Structure View**
  - “Structure View > DML Analysis” now shows more detailed analysis information.
- **Global Search**
  - The search results list is now reopened on the second click in the search field.
- **Toolbar Customizer**
  - Applied alphabetic sorting to the toolbar button names on the list.

## BUGS FIXED

- **Project Tree**
  - Added an indicator that scripts from Oracle libraries/forms cannot be moved outside the library/form.
  - Fixed the ability to drag&drop multiple scripts into a folder or Recycle Bin.
  - The parent node no longer stays checked when its child items are deleted.
  - Fixed highlighting of the imported items.
- **Code Editor**
  - Fixed the Code Editor panel in the closed state.
  - Negative error code of the EXCEPTION\_INIT pragma is now displayed correctly.
  - Fixed code folding for external stored programs.
  - Code folding is now available for the script’s DML statements outside of PL/SQL.
- **New Project / Import Wizard**
  - The database object tree no longer stays empty once the database connection is done manually.
  - The error “Cannot create file” is no longer raised on creating a new project if the filename contains irrelevant characters.
  - Fixed the layout of the UI elements on the “From Database” tab.
- **Project Report**
  - Flowchart and Call Tree status icons are no longer active unless the diagrams are included in the report.
  - Clicking on an object now correctly shows a relevant diagram when a report page is scrolled to the bottom.
  - Fixed the work of the “Show/Hide header” option.
  - The error “No mapping for the Unicode character exists in the target multi-byte code page” is no longer raised on report generation.
- **Diagrams (Flowcharts, Call Trees, CRUD Matrices)**
  - Fixed the object list panel in the closed state.
  - Going back to the previous history step when multiple objects were selected now correctly restores the selection in the object tree.
- **Diagrams (Flowcharts, Call Trees)**
  - Fixed the background color of an active diagram when the UI theme is changed.
  - Fixed the multiple selection of diagrams when a folder gets into the selection.
  - Diagrams are now correctly shown in the SVG format in Firefox and Chrome.

- **CRUD Matrices**
  - Fixed work of the “Regenerate”, “Show Header”, and “Show Legend” options.
- **Export Diagrams**
  - The “Zoom Diagram” label is now inactive when no zooming is possible.
  - A hand cursor is no longer shown on pointing to a diagram block in SVG format as there is nowhere to navigate.
  - Fixed object links in Flowcharts and Call Tree diagrams opened in a browser.
- **Toolbar Customizer**
  - The dynamic part of the caption is no longer shown for the “Go Back” and “Go Forward” options.
  - The error “List index out of bounds” is no longer raised on double-clicking in the Toolbar Customizer.
  - The error “List index out of bounds” is no longer raised on a moving visible toolbar button.
- **Code Analyzer**
  - An access violation error no longer occurs on trying to analyze a huge project with lots of code comments in scripts.
- **Code Synchronization**
  - An access violation error no longer occurs on clicking the “Selection Sync Settings” link on the Sync History tab.
- **Link Manager**
  - ClearSQL no longer hangs on closing the Link Manager when a huge project is used.
- **Duplicate Code**
  - Detected duplicate code lines are now sorted by the number of code lines, in the descending order.
- **Navigation History**
  - The error “Cannot create HTML file” is no longer raised on navigating from CRUD2 to Code Editor using the “Go Back” option.
  - Ctrl+Click actions are now always recorded in the navigation history.
- **Global Search**
  - The search field is now fully visible after resetting the main toolbar to default.
- **Structure View**
  - The structure view analysis results are now displayed correctly for projects created in the recent ClearSQL versions.
- **GUI**
  - Fixed how instant help icons look in the dark theme.
- **Main Toolbar**
  - The command “Reset to Default” is now active only when the toolbar is not in the default state.