

## Release Notes

### SQLDetective 4.7.2 (build 281)

#### IMPROVEMENTS

- **Core**
  - Improved the application installation procedure:
    - The Conquest application installer now checks for the installation of Oracle Client and other prerequisites for a successful database connection.
    - The user is forwarded to the Conquest website to see the full set of database connection prerequisites and install Oracle Client, Instant Oracle Client, or Microsoft Visual C ++ Redistributable Package for Visual Studio.
  - The last active window is now automatically restored at the next application launch.
  - Accelerated initialization time of the application.
- **Database Connection Options**
  - Updated the layout of the Connection Settings window.
  - Added the ability to select Oracle home from the drop-down list in the Database Connection window.
- **SQL Editor**
  - Subst variables prefixed with && are now remembered for the current working session even if the “Remember variables” option is disabled.
  - Bind variables are no longer remembered if the “Remember variables” option is disabled.
- **Extract DDL**
  - Removed unnecessary pop-up messages that appeared before copying DDL to SQL Editor.
  - Add the ability to extract DDL for Policies with Column-level Virtual Private Database (applicable to Oracle Databases 10 or higher).
  - Added the ability to extract DDL for multiple objects right into the SQL Editor.
- **Scenes**
  - Open scenes are no longer restored at the next application launch.
  - Renamed “Remember open scenes (not default)” to “Restore open scenes”. The option is disabled by default.
- **Session Navigator**
  - Added the “Blocking Instance” column.
- **DDL for Tablespaces**
  - Added the ability to extract DDL for tablespaces with ASM-generated datafiles.
- **Database Connection Window**
  - Added the ability to select Oracle Home from the drop-down list in the Database Connection window.
- **GUI**
  - Expanded the Session field throughout the application to make the database connection name fully visible.
- **Preferences**
  - Renamed the option “Remember open objects” to “Restore open objects”
- **Installer/Updater**
  - On uninstalling the Conquest tool, the user is now forwarded to the website to fill out a short form explaining the reasons to quit.

- 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.

## BUGS FIXED

### • Object Navigator

- Double-clicking in the datagrids of the ContentSelector no longer raises the error "Unbalanced stack or queue operation".
- Switching object visibility from the ContentSelector now works correctly.
- The error "ORA-24373: invalid length specified for statement" no longer occurs on trying to disable constraints.
- Object selection no longer disappears from the ObjectNavigator tree after an object is dropped.
- An access violation error no longer occurs on trying to close one of the concurrent database sessions by clicking "Close Session" on the Object Tree pop-up menu.
- A DDL statement is now shown correctly in the confirmation message that appears on trying to drop a database object.
- The option "Extract DDL by DBMS\_METADATA" is no longer available for policies.
- An access violation error no longer occurs on switching between code analysis results of different stored procedures.
- Granted/Session Role Object now opens correctly from the ObjectSelector.
- When an object is created in a concurrent instance of SQLDetective, it also appears in other open instances on refreshing the ObjectNavigator tree.
- When the "Restore column customization in datagrids" option is disabled, order and width of columns is reset to default after restarting the application.
- Removed irrelevant menu commands from the pop-up menu of the My Schema folder.

### • SQL Editor

- An error no longer occurs on trying to join two tables that contain a column based on an object type.
- File names are now shown in the list of last opened files.
- The option "Keep column settings" now works correctly.
- Fixed behavior of the "Print" command on the File menu.

### • Compare Databases

- The clause DEFAULT COMPRESS FOR QUERY HIGH is now included in a DDL script extracted for tablespaces.
- The clause CONSTRAINT ... PRIMARY KEY is now included in a migration script used while comparing IOT-TABLES.
- The clause SEGMENT CREATION IMMEDIATE is no longer duplicated in a migration script used while comparing tables with named partitions.
- Scripts with different char case sensitivity are now marked as "Changed".

### • Stored Program Editor

- Fixed adding of variables to the Watch list.

### • Smart Dataset

- SQLDetective no longer hangs on applying the filter to a dataset with many columns.
- Duplicating a column name in an ORDER BY clause no longer increases its sequence number in the grid.

### • Dataset/Datagird

- Such data types as TIMESTAMP and INTERVAL are now supported in the data grids.

### • Database Examiner

- The Database Examiner and Object Navigator now show a correct database version when SQLDetective is connected to an Oracle database 18c.
- **Code Analyzer**
  - Fixed navigation from the Autofixes tab to the code editor.
  - Applying formatting to code that has comments before and inside the preprocessor block no longer increases the indentation.
- **Code Analyzer Options**
  - Fixed the print preview of Code Review Rules.
  - The filter on the Code Review Options page is no longer hidden when DPI 125% and higher is applied.
- **Code Review Rules**
  - The rule “Runtime concatenations of string literals affect performance” now works correctly.
- **Preferences**
  - An Eureka error message no longer occurs on trying to open Preferences when Oracle Client is not installed.
  - The substitution variables with an ampersand, like “&&variable”, are now treated correctly.
  - The option “Remember bind variables” now works correctly.
  - The option “Consider empty line as a statement delimiter” was renamed to “Treat a blank line as a statement delimiter” and it works correctly now.
  - Fixed hints of the items on the Extract DDL page.
- **Query Builder**
  - The error “Undefined object type” no longer occurs on trying to add an object from the column pop-up menu.
  - Clicking “Build and Test SQL” no longer replaces the script that is open at that moment in the SQL Editor
  - An access violation error no longer occurs on trying to open Online Help from the Query Builder.
- **Scenes**
  - When the “Restore open scenes” option is disabled, only actual objects are loaded to an active scene.
- **Core**
  - The Restore Point Wizard now opens without errors.
  - An access violation error no longer occurs on closing SQLDetective after working in the BLOB editor.
- **Extract DDL**
  - DDL extracted for joined bitmap indexes is correct now.
  - SERVICE parameter values are no longer extracted with duplicated quotation marks.
- **DDL for Procedures**
  - DDL extracted for wrapped objects no longer contains an unnecessary semi-column (;) at the end of the script.
- **Index Wizard**
  - All relevant data are now displayed on creating bitmap join indexes.
  - The “Select an index type” button in “Domain Index” is no longer active for non-partitioned table type indexes.
  - While creating a joined bitmap index, the WHERE clause is now always updated once a link between two columns of the selected tables is modified.
  - The table object owner is no shown in the Joined Tables of the Index Wizard.
  - Activation of the Joins tab no longer affects the appearance of the whole window.
- **User Wizard**

- Role names are no longer cut on the Proxies page.
- **Cluster Wizard**
  - Fixed the autofit of columns in the grid of indexes.
  - Changing row dependencies or column length now affects object DDL.
- **Policy Wizard**
  - Implemented support for all policy features up to Oracle version 18c.
- **Group Action**
  - An access violation no longer occurs on trying to perform bulk deletion of Scheduled Jobs.
- **Online Support Desk**
  - Fixed the layout of the OSD window.
- **TKPROF Shell**
  - Resizing the TKPROF Shell window no longer breaks the layout of the buttons.
- **Calendar**
  - Names of week days now fit in properly when the format is set to dd-MMM-yyy.
- **Icon Dictionary**
  - Resetting buttons to default no longer raises an error.

## REMOVED ISSUES

- **Preferences**
  - Removed the option “Force OCI7” from the Session page as outdated.