



# Release Notes for OPUS Projektor Distribution - 2023.4.5

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## General

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## Opus Projektor 2023.4.5

This OPUS Projektor Release contains the following software:

Projektor	2023.4.5
OS EGSCORE	1.4.3
OS EGSPRO	3.0.3

### Projektor 2023.4.5

#### infos

- Migrated from 'Jira Server' to 'Jira Cloud'. This update is necessary to continue using the reporting system.

#### bugfixes

- Flex View: Fixed memory leak in Softkey Configuration View.
- Scene: Fixed possible exception during inplace editing. (PRJEXT-5587)
- Scene: Fixed possible exception if a object with many child objects get deleted. (PRJEXT-4323)
- Scene: Fixed possible Nullpointer-Exception while creating Softkeys. (PRJEXT-7161)
- Undo/Redo: Fixed undo/redo of 'Shallow Paste' operations.
- JSHandler: Fixed thread synchronisation issue.
- Project-Tree: Fixed possible exception while drag and drop of images from ImageLibrary to project tree. (PRJEXT-6802)
- Properties: Fixed possible exception in Properties sheet after multi selection of objects with 'SHIFT' key. (PRJEXT-6703)
- VCS: Fixed possible exception in Revision dialog. (PRJEXT-5696)

### OS EGSCORE 1.4.3

#### infos



- See the corresponding os release notes.

### **OS EGSPRO 3.0.3**

#### **infos**

- See the corresponding os release notes.

## Opus Projektor 2023.4.4

This OPUS Projektor Release contains the following software:

Projektor	2023.4.4
PClient	2023.4.4
OS EGSCORE	1.4.3
OS EGSPRO	3.0.3

### Projektor 2023.4.4

#### bugfixes

- ImageList: Fixed possible internal exception. (PRJEXT-6741)
- Scene: Fixed possible exception in 'AlignWithMoveStrategy'. (PRJEXT-6576)
- Scene/Flex-Converter: Fixed calculation of the size of children inside a button if property 'Draw Shadow' is enabled.
- VCS: Now a warning dialog is shown if 'index.lock' already exists and is blocked by another application (i.e. OneDrive) during load/save. (PRJEXT-6596)
- JS: Enhanced error management for opened/modified JS files which are removed on the file system. If the file can not be saved a warning dialog will be shown now. (PRJEXT-5789, PRJEXT-5788, PRJEXT-5203, PRJEXT-3800, PRJEXT-2890)
- Undo: Fixed possible exception during Undo which tries to open a page and select the involved object in the scene. (PRJEXT-6543)
- Clipboard: Fixed possible exception for unsupported/unknown objects in the clipboard. (PRJEXT-6371, PRJEXT-6109)
- J1939 DM1/DM2: Fixed possible exception in the DM1/DM2 settings dialog. (PRJEXT-6215)
- Project-Tree: Fixed overwriting object name if another object is selected during inline name editing.
- Project-Tree: Now warnings of ECUs are shown in the project tree.



- CAN-Protocols: In the Event sheet of ECUs the name of the variable for 'Set Value' actions are now shown properly.

- Save: Now the creation date won't be saved for zip files during save anymore. So the checksum does not change for zip files with the same content.

## **PCient 2023.4.4**

### **features**

- Introduce new variables @minFreeRAM and @onlyKeepShownImagesInRAM.

### **bugfixes**

- Fix problems regarding asian fonts.

- Fix crash when trying to load an invalid ISOBUS pool regarding asian fonts.

- Fix that variables with certain index were not properly added to DEI and could therefore not be used.

- Fix that changes to @SettingsDecimalSymbol were only visible after a page change.

- CAN key remote settings: Fix reading of the Encoder CAN ID from settings file.

- Fix possible crash when entering a page with an invisible camera frame.

- UT-Plugin: Various bug fixes and stability improvements.

- Fix possible crash in Windows simulation when PEAK CAN was enabled in the simulation settings but no PEAK USB dongle was connected.

- Fix that the invalid pattern of gauge object is not properly displayed.

- Fix possible crash if multiple list objects share the same background image.

## **OS EGSCORE 1.4.3**

### **infos**

- See the corresponding os release notes.



## OS EGSPRO 3.0.3

### infos

- See the corresponding os release notes.



## Opus Projektor 2023.4.2

This OPUS Projektor Release contains the following software:

Projektor	2023.4.2
PCClient	2023.4.2

### Projektor 2023.4.2

#### bugfixes

- Project load: Fixed possible exception during load for orphaned objects with Language dependency.(PRJEXT-6009, PRJEXT-6035)

### PCClient 2023.4.2

#### bugfixes

- VKB: Fixed that VKB does not opened for Numeric Fields.(PRJEXT-6036)





## Opus Projektor 2023.4.1

This OPUS Projektor Release contains the following software:

Projektor	2023.4.1
PCClient	2023.4.1

### Projektor 2023.4.1

#### features

- Projects of G1 devices (A3, A6G1) can now loaded and converted to a new device type.
- Updated 'Navigation Scripts'.

#### bugfixes

- Graph Object: Fixed a bug in 'Variables to draw' dialog of the Graph object. Now it is possible to updated the property values of a assigned variable.
- New Project Wizard: Fixed error messages which appears if an ISOBus Sample project was created in 'New Project' wizard.
- Toolbar: Fixed a bug which leads to missing toolbar icons (i.e. Save Project)
- VCM: Fixed a logic bug for the buttons 'Move Up' and 'Move Down' in ConfigureMapping dialog.
- VCS: Improved handling of broken Git-Repositories.

### PCClient 2023.4.1

#### bugfixes

- Input: Avoid crash on 'long press' if object gets deleted with 'press'.
- Input: Redesigned touch handling to be consistent when using multi-touch.
- String display: Don't switch line if another font is used to display a character. With 'autowrap' enabled that could happen where hyphen was added.



- Z-order: Maintain consistent z-order when editing lists and showing/hiding multiple alarms. Before a button of an alarm sometimes didn't trigger its action anymore while it still worked via the 'ESC' key.
- Navigation: Prevent triggering long press events in case the event source disappears - e.g. because changing page 'on press'. This also prevents crashes caused by trying to access the removed object. Additionally navigation now checks validity of object pointer before forwarding events.
- Make touch press/release symmetric in navigation - i.e. both get forwarded to the touched object, even if it is a softkey. Before only one of them was forwarded if navigation did something else with the event and softkeys were excluded as they are not considered 'inputs' (they typically cannot get focus).
- Navigation: Generally re-design touch evaluation to better find e.g. buttons behind containers and avoid crashes on multi-press of multiple buttons.
- Alarms: Fix detection whether an alarm is already open or not. Use the existing one instead of opening again.
- UT-Plugin: UT secondary views can now also be used via encoder (switch pool by changing value, toggle with primary view by double press). Note that this is of limited use if there is a primary view visible on the page as that will keep focus.
- UT-Plugin: UT views get their navigation border drawn now. Note that this could reduce the data mask size reported on ISOBUS. Should consider NOT drawing the border if there is only one big primary view on the page which anyways keeps focus.
- Simulation: In Windows simulation the built-in UT VKB is now shown for UT-plugin projects. Before non of the VKBs worked for this project type.
- Fixed crash if an image cannot be found.
- Fonts: Do not change line on dash character with some fonts.
- Graph Widget: Values are displayed again at the cursor of graph objects.



## Opus Projektor 2023.4.0

This OPUS Projektor Release contains the following software:

Projektor	2023.4.0
PClient	2023.4.0
OS EGSCORE	1.4.1
OS EGSPRO	3.0.2

## Projektor 2023.4.0

### features

- UT-Plugin
- B2 (prototype) support.
- Configurable Navigation. See manual for more information.
- Pages and JS files are now colored in the tab panel. Each project has its own color for an easier identification.
- JavaScript: Subfolders are now supported and are shown in the Project tree.
- Search: Improved search for @Visibility variables.
- VCS: Now commits can be done independently of save. Added now commit options in Tool - Options - Versioning.
- Look And Feels: Removed 'Metal' and 'System' theme.

### bugfixes

- Save: Enhanced save process. If files can not be written properly e.i. when a file is blocked by another application a dialog is shown and the save can be repeated.
- Scene: Fixed possible endless loop for reference copies.
- Scene: Fixed possible exception on the 'Scene' if multiple items in List are deleted. (PRJEXT-4323)



- Project-Tree: Fixed possible disabled 'Delete' entry in the context menu.
- Project-Tree: Fixed exception which occurs if i.e. 2 JavaScript/Image files are moved in the tree.(PRJEXT-5142)
- CAN: Now a same ecu name can be used in different protocols.
- CAN: Fixed possible exception in Visual CAN Mapping view while deleting a Variable Mapping.(PRJEXT-3976)
- Tool Settings: Fixed exception which occurs while checking the 'proxy settings'. (PRJEXT-3811)
- Image Library: Fixed possible exception if an image was added to 'Favourites' the first time.
- Image Library: Fixed possible exception if image folder are deleted while loading.
- Symbol Library: Fixed an exception which occurs if a folder of the library contains unsupported images. (PRJEXT-5432)
- Property-Sheet: Fixed possible exception if Variable editor is opened. (PRJEXT-4521)
- Tools: Updated 7zip version to 19.00.
- Version-Handler: Fixed possible 'IndexOutOfRangeException' in Revision dialog.
- Project-Properties: Added missing category Hardkey-Settings for B4/B6.
- Active-Project is now recognized properly if several projects are opened and a JS tab is selected.
- 2D-Graph: Fixed saving 'Line Attributes'.
- 2D-Graph: Added new property 'Refresh Cycle Time'. With this property the refresh cycle time in milliseconds can be set (how often the widget repaints its content)
- Project-Conversion: Fixed exception if target folder already exists.



- Visual CAN Mapping: CANopen: Fixed that variables can overlap each other.
- Scene: Fixed possible NullPointerException in 'Inplace Editor'. (PRJEXT-5587)

## **PClient 2023.4.0**

### **features**

- Introduced a 'Watchdog' for PClient.
- Improved cold boot time.
- Modernization and improvement of PClient and WEapi code and interfaces.
- Complete rework of the GUI implementation. Make use of graphics hardware acceleration.
- Further improvements of navigation scripts. Home and escape keys can now be configured individually.
- Cleanup of PClient configuration files. Move CAN remote options into separate file.

### **bugfixes**

- CANopen: Fixed that PDOs are accepted which are too short.
- Fixed crash which occurs if property 'Input Character Attribute' is set for 'Language' dependent String Fields.
- Video: Fixed possible crash which occurs when writing camera DDO properties or camera variables from CAN.
- J1939: (E)TP connection abort messages are sent and evaluated including transfer direction now. I.e. they only abort sending or receiving if parallel transfer of the same PGN should be running.
- @Terminal variable now contains the node name of the device based on device tree information.
- Improve analog and digital camera stability.



- Fix crash when writing to @ProjektTakeScreenshot variable was triggered via CAN.
- Fix validity of predefined CAN variables based on used device.
- The power key is now also supported by predefined @UserButtonPressed, @UserButtonReleased, @UserButtonDoubleClick and @UserMultiButtonPressed\_02 variables. The variables from the User\_Inputs group are now available on all devices.
- Bargraph: Fix drawing of bargraph fill and target line.

### **OS EGSCORE 1.4.1**

#### **infos**

- See the corresponding os release notes.

### **OS EGSPRO 3.0.2**

#### **infos**

- See the corresponding os release notes.



## **Operating System (OS) and PClient update**

Please look at the included OPUS devices update file for detailed updating instructions for all devices.