Release Notes for OPUS
Projektor Distribution - 2022.4.0

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General

Using this software for combinations other than those set out in this document or delivered by online update may cause problems and damages for which we cannot accept any liability. The use of the software for any purpose other than those approved by us is at a sole responsibility of your company and should therefore be adequately trialled in advance by means of suitable tests and other checks.

Opus Projektor 2022.4.0

This OPUS Projektor Release contains the following software:

Projektor   2022.4.0
PClient   2022.4.0
OS EGSCORE   1.4.0
OS EGSPRO   2.4.0
OS A3   2.2.6
OS A6   2.2.6

Projektor 2022.4.0

infos

- New built-in Java Runtime 17.0.3.

features

- B6 (prototype) support

- Jira Issue View: A new view was added which shows all JIRA issues or feature requests. It is now also possible to write comments for the tickets and updates will be shown directly in the application.

- A new 'Images' node is now shown in Project tree. It shows all used images in the project. Images can now be easily updated and renamed.

- Added new event "OnProjectInitFinished".

- Multi-deleting of Variables and CAN-Mappings is now possible in Project tree.

- The limit of 255 character of a String Field was increased. New limit is now 65535 characters.

- Added new context menu entry "Create JavaScript ID Array" for object multi selection in Project tree, which can be added in JavaScript files.

- Project-Search: Added new search option 'Parent-TypeID' / 'Parent-ObjectType'.

- Project-Search: Minor improvements.

- Crash-Report: Minor improvements.

- Project: Language names and two letter code can be updated now.

- Project: Error message is shown if terminal_files.zip can not be created during save.

- JavaScript Editor: Added getTriggerEvent() to auto completion.

- Version Control: desktop.ini files will be ignored now, since this can make trouble for checkouts.

- Version Control: Improved performance of Revision-History dialog.

- CAN-Mapping/Variable-Mapping: The max size of the property 'Mask' and 'Shift X Bits' depends now on the original Variable size and not on the mapped Variable size.

- Border-Profile: Enhanced management of Border-Profiles in the Project-Properties. See manual for detailed information.

- J1939: DM1/DM2 translation file is now directly validated after selection.

- Image-/Symbol-Library: Loading images does not block the whole application anymore.

- Image-Library: Drag'n'Drop folder/images from Windows-Explorer is now possible. Folder will be loaded recursively. Updated/improved the image table view. Selected folder will be scanned for updateds automatically.

bugfixes

- Fixed possible exceptions in the scene of Pages.

- Fixed Undo/Redo for deleting CAN protocols.

- Fixed Undo/Redo for adding/removing variables to a Graph Object.

- Fixed several possible exceptions which could be appear during close project.

- Fixed some memory leaks during convert project and for close projects.

- Fixed heigh memeory usage which could be appear if an huge image folder is loaded in ImageLibrary or ImageChooser dialog.

- If Variable Name or Index/SubIndex is updated all Variable-Refences in the project will updated properly.

PClient 2022.4.0

bugfixes

- Fixed painting background color of Bargraph, if overlapping objects gets visible/invisible.

- Fixed resetting value of Variable @CopyFileOrFolder after copy/move was done.

- Fixed showing correct value in String Field, if a connected Variable changes state from invalid to valid.

- Fixed the color of the Navigation Buttons of a Input-List object accordingly to current set day/night mode.

- Fixed possible crash if an Alarm is closed.

- Fixed issue that Button keeps in 'Pressed State' if the Button is pressed quickly with 'Encoder'.

- Fixed restart of fadeout time of Softkey-Frame if a Softkey is pressed.

- Fixed setting a List object invisble which is in state 'Open For Input' via property 'Visibility' in a JavaScript file.

- Updated value for Variable '@Terminal' for B4/B6 devices.

- Updated/improved navigation in Alarms with new Navigation Concept.

- Fixed possible crash if an Image is set very often and quickly via method 'setProperty()' in a JavaScript file.

- Fixed remembering old focused object on a Page if i.e. an Alarm pops up and is closed again.

OS EGSCORE 1.4.0

infos

    - See the corresponding os release notes.

OS EGSPRO 2.4.0

infos

    - See the corresponding os release notes.

OS A3 2.2.6

infos

    - No changes since last release. See the corresponding os release notes.

OS A6 2.2.6

infos

    - No changes since last release. See the corresponding os release notes.

Opus Projektor 2021.4.3

This OPUS Projektor Release contains the following software:

Projektor   2021.4.3
PClient   2021.4.3
OS EGSCORE   1.3.0

Projektor 2021.4.3

infos

- B3/B4 ProtoC support

- All binaries (.exe) of the OPUS Projektor are signed now. (Digital certificate, valid until: 16.09.2024). Some customers had some trouble with security applications caused by unsigned binaries.

features

- The issue reporting was improved to help our customers in a more efficient way.

bugfixes

- Fixed the project rename feature if the GIT version control system is used.

- Fixed issues regarding deleting folders on the filesystem. This was reported by serveral customers. (Customer report: PRJEXT-566, PRJEXT-550, PRJEXT-2722, PRJEXT-2589, PRJEXT-2587)

- Improved stability of the application.

PClient 2021.4.3

infos

- B3/B4 ProtoC support

bugfixes

- Fixed uninitialized '@Terminal' predefined variable for operating system EGSCORE.

OS EGSCORE 1.3.0

infos

- See the corresponding os release notes.

Opus Projektor 2021.4.2

This OPUS Projektor Release contains the following software:

PClient   2021.4.2

PClient 2021.4.2

bugfixes

- Set and update boolean properties only if they really change. Some people use PLC methods and set the same value every few milliseconds.

- Only start updating/re-initializing navigation 200ms after it was triggered by a property change. That should allow all properties to be set before we actually perform the update.

- Navigation is blocked/operator input is ignored while waiting for this initialization.

- Use hard coded method again to traverse object tree while initializing/updating navigation. Script based approach had too much overhead.

- Fix memory leak caused by navigation scripts.

- '@UserEncoder1Clicks' respects rotation direction again.

- Add synchronization for some string based properties. Has only a limited effect on Opus A3 and A6G1 - let the property show on screen before modifying it again!

- Avoid crash if virtual keyboard is selected for a DDO but no VKB is defined in the project. DDO falls back to encoder input in this case.

Opus Projektor 2021.4.1

This OPUS Projektor Release contains the following software:

Projektor	2021.4.1
PClient	2021.4.1

Projektor 2021.4.1

bugfixes

- PClient Simulation: Fix that a restart of PClient simulation does not work correctly when JavaScript debugger window is open.

- Version Control System: Fixed an exception if a project is opened with a not fully initialized git repo.

- Version Control System: Fixed that the repository is locked caused by a previously interrupted commit. JGitInternalException - source: org.eclipse.jgit.api.AddCommand:225::call() (Customer report: PRJEXT-2576, PRJEXT-2615)

- Version Control System: Commits in large projects are now much faster. (Customer report: PRJEXT-2576, PRJEXT-2615)

- Version Control System: The graphical user interface is only released when the commit process is finished. (Customer report: PRJEXT-2576, PRJEXT-2615)

PClient 2021.4.1

bugfixes

- Key focus is on PClient again after sleep mode. Didn't work on 'egspro' systems anymore.

- Navigation is only re-initialized if visibility was changed on an object of current page. Before it was re-initialzed whenver a visibilty value changed.

- Re-initialization of navigation now leaves focussed object unchanged. Before this was problematic esp. if a list was object 'open for input'.

- Encoder events trigger actions again even if there's no input object on the page.

TOPCON

Opus Projektor 2021.4.0

This OPUS Projektor Release contains the following software:

Projektor   2021.4.0
PClient   2021.4.0
OS EGSCORE   1.2.2
OS EGSPRO   2.3.4
OS A3   2.2.6
OS A6   2.2.6

Projektor 2021.4.0

infos

- New built-in Java Runtime 11.0.10.

- The 'String Inplace Editor' is not supported anymore. If it is used a warning will be shown. Please change to a Virtual Keyboard.

features

- New sample project 'Tradeshow Dashboard' added. This project sample shows a sophisticated highly dynamic animated dashboard.

- New object themes 'stunning_dark' and 'stunning_bright' added.

- Undo/Redo 2.0. See manual for more details.

- Generic Project Search. See manual for more details.

- Integreated a Version Control System for Projects.

- Support for OPUS B4.

- JavaScript: Added new function getTriggerEvent().

- JavaScript: Added new function runSystemCommand().

- JavaScript: Added new function openPDFReader().

- Variable View: Now the owner of Variables which are mapped in a CAN-Mapping can be changed.

- Variable View: Column names and width will now be saved during close and restored during start of the application.

- Added possiblility to close several project at once.

- Improved CAN-Mappings dialog. Infos/Warnings/Errors will be shown directly.

- Variable-Import: Now is possible to import ECU Variable Index/SubIndex via CSV import.

- Softkeys: Softkeys can now be deleted. During load only saved Softkeys will be shown.

- Open File dialog: Now the dialog opens much faster. Added option to avoid slow folder navigation. See manual (extended file browser) for more details

- Changed Topcon device names X18/40 to XD/XD+

- Save button will now only be enabled, if current project has changes.

- Configure Events dialog: OnPress/OnLongPress: A warning is now shown that for these events now page jump shall be performed.

- List-Object: Added new property 'Touch Input' to enable/disable OK/Cancle button for List objects.

- New "Tip of the day" section in the 'Start Page'.

- Save button is now disabled if no modifications and no uncommited changes are detected.

- The FlexView conversion process only creates softkeys for the levels if these also existing in the original project.

- 'Gauge' object now allows to set a background image in combination with activated property 'Draw Boundary Bar'.

- New font 'Xolonium' added.

bugfixes

- Fixed many memory leaks. Reduced unnecessary memory usage. Memory will be freed properly after project is closed.

- Rename JavaScript files does now work properly, if script was modfied before.

- FlexView: Fixed possible crash in FlexView dialog if Previous button is pressed.

- Fixed several possible uncritical exceptions during close of a project.

- Fixed possible preview painting issue in Table object.(Customer report: PRJEXT-133)

- DBC-Export:[CANFreestyle] 29bit can ids the 'extended bit' is set properly.

- DBC-Export:Now the attribute GenMsgSendType is set properly, if a can message is sent periodically.

- Simulation: Imported fonts will now be used properly.

- Now properties will be shown properly, for multiselections.(Customer report: PRJEXT-484)

- Recent Projects: Possible duplicated entries will be avoided.

- Fixed possible exception in Object Themes Panel.(Customer report: PRJEXT-415)

- Fixed possible exception on scene if objects are selected/moved with CTRL pressed.(Customer report: PRJEXT-488)

- Fixed possible exception in ImageFile chooser dialog. (Customer report: PRJEXT-578)

- Image Library: Reduced memory allocation for SVG images.

- Fixed exception during load if a 32bit variable is set as 'Visibility Variable'. (Customer report: PRJEXT-1512)

- Fixed exception if an image from the image library is drag'n'drop to a Picture Graphic object with Language/Unit dependency.

- Fixed draw issues in ListItems dialog of an InputList object. Fixed possible exception if multiple images are selected in the dialog.

- Fixed exception if the Toolbar will be customized.(Customer report: PRJEXT-1646)

- Variable Simulation: Option 'Only allow value changes by Simulation' will now be concidered properly.

- Now the extended id bit will be set also for CAN-IDs less or equal 0x7ff, if 'CAN ID Type' is set to '29Bit'.

- Added the method 'setTouchInput' to the Projektor JS auto-completion.

- Fixed that the 'Save as' functionality do not modify the original project. (Customer report: PRJEXT-1916)

- Fixed unsharp SVG graphics on the Projektor scene.

- Changed the default value of the property 'Inplace Editor' of String Fields from 'Encoder' to 'VKB'.

- Error handling implemented if no default browser is defined in the operating system.(Customer report: PRJEXT-1968)

- Now the 'Owner' of a mapped variable can be changed in Variable-View.

- Fixed possible 'java.lang.IllegalArgumentException'.(Customer report: PRJEXT-1967)

- Fixed possible 'java.lang.NullPointerException'.(Customer report: PRJEXT-2085)

- Fixed possible 'java.lang.ConcurrentModificationException'.(Customer report: PRJEXT-2069)

- FlexView: Loading Screen image will be scaled properly now, during FlexView conversion.

PClient 2021.4.0

features

- Improved JavaScript error messages on the console.

- Improved PDF Reader.Added a loading lable.

- Touchscreen can be enabled/disabled during runtime. Added JavaScript function setTouchInput(true/false).

- Java Script: Allow JS function writeToFile() to also write to /opt/data. Also raise max. used space in /opt/user_files and /opt/data from 10MiB to 100MiB.

- Power Management: Add support for new states in @PWR_CurrentPowerMode (2: low power with timer enabled to change to sleep mode, 3: silent-on)

- Power Management: Add new variable @PWR_TimeFromSilentOnToLowPower to be able to adjust the silent on to low power timer.

- CANopen: Allow SDO Read Responses without size information.

- Video: Fixed possible video issues, if same video settings will be set repeatedly via JavaScript.

- Events/Navigation: Internal redesign - should not have external effects.

bugfixes

- Expedited write request does work with Strings.

- 'Force Writing' does work for CANopen write requests now.

- PDF Reader: Home-Key closes now the PDF Reader.

- Fixed/imporoved setting correct backlight intensity during automatic mode.

- Fixed possible wrong state of Digital Input values when returning from Low-Power, or Sleep mode.

- Fixed possible painting issues for Arched bargraphs, with a hight value range when value is low.(Customer report: PRJEXT-484)

- Fixed possible crash in JS method sendCANMessage() if paramter DLC is set > 8.

- Escaping from button's 'release' and 'long release' event now works on multi-touch devices.

- 'moveDDO' command now moves all instances of the DDO on current page.

- Numeric virtual keyboard now handles offsets and scaling.

- Avoid screen flickering after leaving a page showing ETH camera stream.

OS EGSCORE 1.2.2

infos

- See the corresponding os release notes.

OS EGSPRO 2.3.4

infos

- See the corresponding os release notes.

OS A3 2.2.6

infos

- See the corresponding os release notes.

OS A6 2.2.6

infos

- See the corresponding os release notes.

TOPCON

Opus Projektor 2020.4.3

This OPUS Projektor Release contains the following software:

Projektor   2020.4.3
PClient   2020.4.3
OS EGSCORE   1.1.1
OS EGSPRO   2.3.4
OS A3   2.2.5
OS A6   2.2.5

Projektor 2020.4.3

infos

- New built-in Java Runtime 11.0.9 (Please note that the application launcher might show a different Java runtime version. The used version is displayed in the About dialog.)

features

- A default icon will be set automatically in project settings for ISOBUS projects during load.

- The Image-Chooser dialog shows now an thumbnail images icon for all image types. (PNG, SVG, JPEG, BMP, GIF). The preview panel had been removed.

bugfixes

- New welcome project added. New page USB browser with File Viewers and fixed RS232 initialization.

- Fixed Exception by pressen 'ESC' in String property editor.

- Updated method to create an SVG thumbnail image for ImageChooser dialog. This save a lot of memory during creation.

- Stability improvements

- Fixed sometimes occuring exception during the send process of an crash report if it could not be send the first time.

- Fixed possible exception if Z-Order is changed on page scene.

- Fixed possible remove of images during project conversion (only for projects versions lower than 3.7.x), if the image name contains invalid characters like empty space.

- Fixed that the font property of the table object is saved correctly.

- Fixed exception on page scene if an object with an assigned image, is set to width/height '0'.

- Fixed creating duplicate Alarm Numbers if an alarm is copied.

- Fixed showing Volume Bar Buttons and Playlist properly for Multimedia Player.

- Fixed possible exceptions during FlexView conversion process.

- Fixed memory leak during project save and close.

PClient 2020.4.3

bugfixes

- Fixed that the PClient screen was still (partly) visible when calibrating the touchscreen via JavaScript.

- Fixed possible crash in Welcome-Project, for Page RS232, if the RS232 port is used for data transfer.

- Fixed restarting PClient properly, if project gets updated directly after boot.

OS EGSCORE 1.1.1

infos

- See the corresponding os release notes.

OS EGSPRO 2.3.4

infos

- See the corresponding os release notes.

OS A3 2.2.5

infos

- See the corresponding os release notes.

OS A6 2.2.5

infos

- See the corresponding os release notes.

Opus Projektor 2020.4.2

This OPUS Projektor Release contains the following software:

Projektor   2020.4.2
PClient   2020.4.2

Projektor 2020.4.2

infos

- New built-in Java Runtime 11.0.8 (Please note that the application launcher might show a different Java runtime version. The used version is displayed in the About dialog.)

features

- New sample project (sums game) added.

bugfixes

- Fixed that the font property of the gauge object is saved correctly.

- Fixed issue regarding wrong default values by using the csv variable import.

- Fixed crash will loading invalid svg images. If a svg is invalid an error message is shown.

- Fixed saving DM1/DM2 settings.

- Fixed possible crash while loading invalid projects.

PClient 2020.4.2

features

- Fonts imported to a project but are not installed as Windows fonts are now loaded in the PClient simulation.

bugfixes

- Fix sequence of logged variables in time based logging when the tag LIST_OF_LOGGED_VARIABLES is used.

- Fix when changing to a new page with touch press event that a release event could be triggered for an object on the new page while the finger still touches the screen (capacitive touches only).

- Fix that continous touching of a frame object with one finger blocks touch events for other objects (multi touch only).

- Fix that a DM1 log file is not created again after it was moved/deleted.

- The list DDO supports items disabled via visibility now and can be switched to 'touch mode' at runtime.

Opus Projektor 2020.4.1

This OPUS Projektor Release contains the following software:

Projektor   2020.4.1
PClient   2020.4.1

Projektor 2020.4.1

infos

- New built-in Java Runtime 11.0.6

features

- Welcome project 2.0.0 with many new service features.

- New Reporting functionality integrated. When an error occurs a new report dialog will be shown for given detailed feedback.

- New icon sets Materials and Remix in the Symbol Library are now available.

- Optimized datamask sizes for Isobus projects.

- New DBC Export feature is available for customers with DBC license.

- Enable DBC import of Variables greater then 32bit.

bugfixes

- Fixed an issue in the day / night mode feature regarding storing theme informations.

- Fixed that the auto save projects function saves no JavaScript files.

- Fixed that copy and paste of some images formats doesn't work over projects.

- Fixed that the data type and length of variables is not set properly.

- Fixed sometimes occuring exception on the scene by multi selection objects and switching between pages.

- Fixed possible exception when creating a project while a project loads.

known issues

- Sometimes occurring exceptions when the z-Order is changed on the scene.

PClient 2020.4.1

bugfixes

- Fixed that the Variable Simulation shows no variables are when connecting to real Opus B3

- Fixed crash when dis- and reconnecting during variable transfer.

- Fixed background/foreground painter handling.

- Fixed crash when Ethernet camera frame is switched with visibility.

TOPCON

Opus Projektor 2020.1.0

This OPUS Projektor Release contains the following software:

Projektor   2020.1.0
PClient   2020.1.0
OS EGSCORE   0.6.2

Projektor 2020.1.0

infos

- New device OPUS B3 is now supported.

- The new Projektor is shipped with an built-in Java runtime (OpenJDK11). In conclusion, there is no commercial Java license needed.

features

- Introduced Day/Night Mode. For more information please have a look at the manual.

- Added new icons in Project-Properties dialog.

- Introduced new launcher dialog with setup options.

- It is now possible to set recovery and service boot logos.

- The Graph History Tool can now be started in Application.

- Project will be saved automatically if PClient Simulation or Downloader will be started.

- Console output of PClient Simulation will now be in Output window.

- Objects can now be locked on the scene.

- Introduced Linebreaks for String Field objects.

- Introduced drag'n'drop functionallity for JavaScript files in project tree.

- Now it is possible to keep aspect ratio of objects while resizing on the scene.

- Enhanced swim lanes on the scene.

bugfixes

- Many bug fixes for scene.

- Enhanced FlexView-Converter.

- Fixed that same variable can't be drag 'n' drop several time to 2D Graph.

- Many minor bug fixes and improvments.

known issues

- Multimedia Player and Ethernet Camera streaming are not yet available for OPUS B3. These features will be available in a later version.

PClient 2020.1.0

features

- Now the release event will be cancelled if sliding away from a pressed button on the touch.

- Multi Touch support for e.g. press several buttons (only for devices with Qt5 and multi touch, no gestures, yet)

bugfixes

- Now the release event will be cancelled by sliding away from a pressed button on the touch.

- Fixed drawing shadow for Buttons although drawing shadow is disabled.

- Fixed applying theme properties for VKB-Buttons.

- Fixed possible crash of Variable Simulation.

- Fixed possible drawing issues in 2D-Graph.

- Fixed drawing correct line attributes in 2D-Graph.

- Fixed possible flickering of objects if moveDDO function is used.

OS EGSCORE 0.6.2

infos

- See the corresponding os release notes.

Projektor Tool Update

Projektor Tool from version 3.x.x can be installed in multiple versions on the same workstation.

PLEASE ENSURE THAT NO SPECIAL CHARACTERS ARE USED IN THE PROJEKTOR TOOL INSTALLATION PATH

To convert the projects created with ealier version of the Projektor Tool please open each project with the new release of the tool, wait until the project is loaded completely and save it. The project will be converted in background and saved in the new version. A backup of the original project will be created. Projects from version 3.7 or older cannot be opened directly. Please open with Projektor 1.12.1 first.

Operating System (OS) and PClient update

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