

SuperReport Pro

Version 4.3

Release notes

April 7, 2021

Published by **Plugin Masters** worldwide

<http://www.e-node.net/srp>

SuperReport Pro forum: <http://forums.e-node.net/viewforum.php?f=11>

System requirements

SuperReport Pro version 4 is compatible with 4D v15, v16, v17, v18 and above, for both macOS and Windows in 32-bit and 64-bit modes. 64-bit only version is available separately, signed and notarized for macOS.

Version 4.3 – New features

- Added access to the report and data source objects during printing
 - 1 as object number refers to the report itself (identical to area or offscreen report)
 - -> previously it referred to the first object in first section
 - report object supports SRP_Report DataSource (and returns 2)
 - array of objects obtained with SR_GetObjects (\$reportRef; 1; SRP_ReportAllObjects; \$alObjectIDs) still does not contain all objects (like the Report, DataSource or any Section)
 - just the objects are numbered starting at 3, not at 1
 - __SRP_ds:=SR_GetLongProperty (SRArea;1;SRP_Report DataSource)
 - __SRP_dataSource:=SR_GetLongProperty (SRArea;__SRP_ds;SRP DataSource Source)
 - see <http://forums.e-node.net/viewtopic.php?f=11&t=969>
- New option for internal PDF generator on Windows:
 - constant SRP_Print WinPDFAllFonts, value 4194304
 - when used, all fonts (including the 14 standard fonts defined by PS standard) are included in the generated PDF
 - -> workaround for WebArea not properly handling PDF when all fonts are not included

Version 4.3 – Changes

- When SRP_Print Win10PDFPreview is used, the PDF generated in response to File > Preview should be open [with default application]
 - -> SuperReport Pro was checking "Computer\HKEY_CURRENT_USER\Software\Microsoft\mxdwdui\OpenAfterCreation" the same way as for XPS preview, now it does not do that for PDF

Version 4.3 – Fixes

- Fixed ancient bug in Table object handling (when header/footer contains adjacent cells with rowSpan > 1)
- Fixed Trace mode Alert (didn't provide command name since switch to manifest.json)
- Mac specific: fixed old picture scaling bug when "scale to fit" is used (was not scaling up)
- Windows specific: fixed a crash in newest 4D v17.4 (build 257556 +) and 4D v18.3 (build 257318 +) when 4D print setting are to be used (using SRP_Print_4DPageSetup | SRP_Print_4DJobSetup) -> 4D finally implemented Plugin API accessors to **PRINT SETTINGS** in 64-bit versions, but the format has changed on Windows and older SuperReport Pro will crash
- Fixed Mac PDF feature when using session printing: paper (size, orientation, scaling, margins) from a report printed in a session is used only when the session was created with SRP_Print_DestinationPDF, otherwise the settings in the session are used for all reports
- Fixed Preview on Windows when Win10 Print to PDF is used -> SuperReport Pro was accidentally checking for XPS writer option "automatically open generated file"

Version 4.2.1 – Fixes

- 64-bit version signed & notarized
- Fixed drawing of rotated text
- Changed dialogs (bug with watermark section)
- Changed graphic palette (watermark was handled identically to header)
- Fixed "page-throw before" in break headers on first iteration

Version 4.2 – New features

- Variable/Field picture format combo box in the graphic property palette now honors entering numeric values (e.g. "1" for "centered")
- "Print at Bottom" is now settable for a Footer section (for PagePro compatibility)

Version 4.2 – Fixes

- Adjusted dialogs & palette for that "Print at Bottom" checkbox
- Fixed picture drawing on Mac when format is set to "scaled to fit"
- Fixed getter for SRP_Report_MacPrinter: should not return garbage, but a real printer name as stored in PageFormat under the key "com.apple.print.PageFormat.FormattingPrinter"
- Fixed a freeze on 64-bit 4D Server v17R5 on Windows when displaying a dialog
- Larger space for German strings

- Fixed property/XML attribute name lookup for text palette (using the new "extendNoDuplicates" for Table object)

Windows specific:

- Fixed mouse position computation during Idle event (object was "jumping" during move/resize when you wait a while after mouse move; 4D v16+)
- Fixed handling of printer specified on command line (SR_OpenSession/SR_Print@) when SRP_Print_AskJobSetup is used: now the specified printer is selected in the dialog

Version 4.1 – New features

- Added TYPE attribute into section tag of XML export
 - NAME and ID are settable by end user, TYPE is the real type (header, body, breakfooter, ...), to simplify export
 - <Section type="Header" name="Header" id="section_00">
 - <Section type="Body" name="Body" id="section_07">
- Added Table object property SRP_Table_ExtendNoDuplicates
 - scope Table, value "codu", type Boolean, default 0 (False), read/write/persistent, xml name "extendNoDuplicates"
 - when set to 1 (True), all repeating values in all columns are suppressed
 - default is to print all values even when they are identical after first changed column (like in break processing)
 - see the [technical note](#)
- New feature for Windows 10: when printing to PDF (SRP_Print_DestinationPDF) and "Win10 PDF" is specified (SRP_Print_Win10PDFPreview) and "Microsoft Print to PDF" printer exists, it is used for PDF creation (using margins from report)
- Added support for alpha channel in PNG in PoDoFo (internal PDF generator) – Windows only
- Added support for RTL text layout (text in editor or during printing, not in editor as such)

Version 4.1 – Changes

- Palette positions are automatically saved and restored
- Increased allowed maximum section height from 4096 to 16384
- Improved behavior for object grouping: previously the objects were put into the group in order of selection, now they are put in printing order
- Added missing menu handler for Default alignments (both horizontal and vertical)
- **Modified behavior** for printing break headers having SRP_Section_Break_Always set to 1 (print on each page) when it is printed due to new page, not to a break:
 - old behavior: section is processed as usual (same as when a break occurred) and is printed
 - new behavior: section is not processed as usual (no script is executed -> e.g. no way to suppress section printing), cached preprocessed section from previous page is used with values used on previous page, only objects in the break header having SRP_Object_Draw = 2 (on overflow) or 3

(always) are printed, the only dynamic data is variable referring internal report variable (like SRPage)

- this should be very similar to PagePro behavior
- Added UI for SRP Section Break Always in SRP_Dialogs & SRP_Palette
- **Modified behavior:** printing in area now uses SRP Area PreviewFlags
 - if, for example, you suppress progress dialog for File->Preview, it will be used for File->Print, too
- Modified Table object to use relate many/relate one when fetching data for first-level columns
 - table object was designed to require use of a script to fetch the needed related data
 - now it is modified to do auto relate one/many when fetching fields of the first-level columns (usually SRP Column ExecutionLevel = 0) to support AreaList Pro printing (*AL_SuperReport* with AreaList Pro displaying fields from related main table)
- **Known issue – 4D bug ACI0099364**

Running 64-bit on Mac: 4D does not provide the page setup/job setup - it seems that the calls are simply not implemented (PA_GetCarbonPageFormat and PA_GetCarbonPrintSettings return NULL in Cocoa)
- When a removed group is the only object in the section, the empty space below it is removed, too

Version 4.1 – Fixes

- New \$0 result value 2 honored from Editor event callback function (set with SRP Area CallbackMethEdit):
 - 2 = cancel object creation (only meaningful if CallbackType is 1)
- Fixed a bug in Add Section dialog (not properly getting break level from existing sections)
- Fixed palette interface not honoring "virtual" structure names defined by the developer
- Improved variable substitution parser: calling a function with more parameters should work
 - previously the first semicolon was used to determine where the variable name ends and optional format begins - it is ok for a variable, but definitely not for a command like '`<%=MyCallbackFunction(1;2;3);|MyFormat"%>`'
- Fixed script execution for nested **Case of** statements
 - **Else** of the outer **Case of** was always executed when a : (case) ended with [nested] **End case**
- Fixed unnecessary redraw requests when an area is covered by another window
- Fixed a serious bug when using SRP Print 4DPageSetup on Mac - now the page orientation and scaling should be honored
- Fixed a small bug in setter for variable names
 - e.g. *SR_SetTextProperty* (0;0;SRP Area VarDate;"RWDDate") returns internally 1 meaning "name was set" (zero for "var name not set") and thus you see a TRACE (on error 1)
- Added missing case for SRP Area VarRepeat in setter (always returning -6 = invalid request)

- Added fix for bad Text object loading (reading LF + TAB + TAB + TAB after the actual text and before next child node)
 - when an object contains HTMLStartTag or HTMLEndTag child nodes, Text is searched for LF (linefeed) and anything from that position is deleted
 - new XML uses attributes for HTMLStartTag and HTMLEndTag, not child nodes

Version 4.0

- Compatibility with 64-bit mode and 4D v16+ on macOS and Windows
- New palette interface (graphic and/or text) – see [the documentation](#) for details

Printing AreaList Pro areas

AreaList Pro allows printing or saving as HTML through SuperReport Pro. It only takes two lines of code to print an AreaList Pro area. Additional options are available, such as automatic column width and use of SuperReport Pro style properties instead of the existing AreaList Pro area settings.

Upgrading from previous versions

Any v4 license key will activate any v4.x version.

Upgrades from versions 3.x and previous versions (single user or server) are available at www.e-node.net/srp.

License extensions from AreaList Pro to SuperReport Pro are also available.

Contact

Upgrade requests, sales and license information: orders@e-node.net

Technical issues, discussions and requests <http://forums.e-node.net/viewforum.php?f=11>

SuperReport Pro web page: www.e-node.net/srp