SuperReport Pro

Version 3.3
Release notes

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

System requirements

SuperReport Pro version 3.3 is compatible with 4D v11 to v15, for both Macintosh and Windows. It requires MacOS X 10.5 or higher (Intel only) and Windows XP SP3 or better.

Version 3.3 – New command

- *SR_ModifyTable*
  - $err:=*SR_ModifyTable* ($areaOrReportRef; $tableObjectNumber; $action; $from; $numColumns; $to)
  - $areaOrReportRef - area or report reference
  - $tableObjectNumber - table object to modify
  - $action - what to do:
    - 1 - insert $numColumns (> 0) columns before column $from (> 0, <= number of columns in the table)
    - 2 - move $numColumns (> 0) columns at position $from (> 0, <= number of columns in the table) after column $to
    - 3 - delete $numColumns (> 0) columns at position $from

Version 3.3 – New properties

- New report variable SRCurrentRun of type integer
  - possible values: 1, 2, 3
- SRP_Area_VarCurrentRun
  - category: Plugin
  - value: "svcr"
  - type: string
  - access: read/write but not persistent
  - default: "SR_CurrentRun"

- o usage: when using "calculate number of pages", the report is processed three times. If you need to use **Request** or **QUERY**, check for SRCurrentRun=1 to execute it only the first time
- ▪ SRP_Table_AltRowOptions
  - o category: Table
  - o value: "alto"
  - o type: integer
  - o access: read/write/persistent
  - o XML name: "altRowColorParams"
  - o default: 0
  - o min: 0
  - o max: 7
  - o usage: similar to AreaList Pro: bitfield, bit 0 = use it, bit 1 = odd rows, bit 2 = after last row (usable with fixed size only)
- ▪ SRP_Table_AltRowColor
  - o category: Table
  - o value: "altc"
  - o type: color
  - o access: read/write/persistent
  - o XML name: "altRowColor"
  - o default: "light gray" = #FFEEEEEE
- ▪ New report variable SRRepeatNum of type integer - valid only during execution of a script associated with a repeating object
- ▪ SRP_Area_VarRepeat
  - o category: Plugin
  - o value: "svci"
  - o type: string
  - o access: read/write but not persistent
  - o default: "SRRepeatNum"
  - o usage: when using repeating objects, the script has no way to know which iteration of the repeating object has to be handled (especially when using arrays). For this purpose use this new variable. With this property you can change the variable name.
- ▪ When virtual variables are not defined by the developer, SRRepeatNum is included in the default list

<h1 style="text-align:center;color:#e0218a">Version 3.3 – New features</h1>

- New Edit menu items (related to Table object):
  - Insert Column(s) into Table
    - The selection can be any of header cell(s), column(s), footer cell(s) of exactly one Table object (then the menu item is enabled)
    - when multiple cells are selected, it will insert number of columns defined by the range (last selected column - first selected column) before the first selected column (defined not by the order the selection was made, but by the column order)
    - when no column is selected, it will append 1 column
  - Move Table column(s): alt/option left/right arrow will move the selected column(s) including headers/footers to the left/right
    - the column must be selected (does not work for header/footer cells)
    - because the move is made on per-object basis, selecting two adjacent columns and using alt-right-arrow will do nothing: the first one is moved to the right (after the second one), then the second one is moved to the right (being now the second one again)
  - Delete Table column(s): DEL (or menu item Edit >Clear)
    - the column must be selected (does not work for header/footer cells)
- Changing order (in Properties dialog, using Object > Move To Front/Move Forward/Send To Back/Send Backwards, programmatically) is now usable on headers and footers of a Table object
  - Note: sending a cell to front means it will be printed as last -> will be the rightmost one
- The following commands are now supported during printing: *SR_GetObjects*, *SR_GetObjectByPropertyValue* and old *SR Get Object IDs*
  - *SR_GetObjects* ignores the second parameter and only SRP_ReportAllObjects as the selector is usable (returning all objects of the report)
  - *SR Get Object IDs* does not support "selected objects", only "all objects"
- Added support for "If empty, replace by items below" and "Remove enclosing group" for Picture variables/fields
- Added support for background color in SPAN for attributed (multi-style) text
- Added a feature to the editor: when an object overflows to the next section, a small red triangle is drawn to indicate that a possible problem may result
- Added support for alternate row coloring in Table object
- Note: you can't print a report on Mac when the Page Setup in the report contains "Any Printer" and you specify to use the printer stored in the report

Version 3.3 – Changes

- Changed "Sorry, but an error `<error code>` occurred." to "Sorry, but an error `error code` occurred.", because 4D v14 interprets <123> as an [invalid] HTML tag and does not display the error value

- When a section overflows to a new page, the first object is not positioned on top of the section (offset 0), but at the original position of the topmost object in the section (only if Edit->Report Options->Number of pages in editor = 1)
    - example: you have a line of objects at position 3 points below the header, on a new page they will be still 3 points below the header, not immediately below the header

- String formatting strips unused characters from the format instead of replacing place holders by non-breaking space (e.g. "1234" formatted with "###-###-###" will produce "1-234", not " - 1-234" as previously)

- If a Table is set to print the footer and has fixed size, the footer is always printed at bottom

- Added missing conversion of the picture column formatting (column in Table object) – [internal] numeric format was expected, now even "Scaled to fit centered (prop.)" is supported

- Changed implementation of the native OSX ColorPicker (now shows alpha channel)

- Implemented Edit > Change Object

- Changed implementation for section splitting
    - on a new page (first section on page after printing header), section was not split/kept together (because it was on a new page)
    - now the minimum space/keep together is honored (assuming second page header can be smaller – true if first page/second page headers are different)
    - in other words, first time it will not print (and will ask for a new page) if it does not fit, then it will be printed unconditionally (possibly split over pages)

- Ignoring "page break before" on first iteration and "page break after" on last iteration (to be compatible with SuperReport Pro 2.x)
    - "break before" is ignored only for headers on first iteration
    - "break after" is ignored only for footers on last iteration

Version 3.3 – Fixes

- Fixed opening of preview on Windows when the path contains special characters (like '#')

- Fixed a bug with Table object re-initialization (not removing footers)

- Fixed Table cells calculation (footers were not taken into account)

- When an object move is cancelled by hitting ESC, the area redraws properly (the old state before starting the drag)

- Fixed Undo/Redo for Table objects

- Fixed *SR_Area_AddUndo* when recording the "new state"

- Fixed printing of sections splitting over pages (some objects could provoke a page break even when they were already printed)

- Fixed possible crash in *SR_PrintIntoPICT* and *SR_PrintBLOBIntoPICT*

- Fixed printing to picture array on Windows (*SR_PrintIntoPICT*, *SR_PrintBLOBIntoPICT*, old *SR Print PICT*)

- Implemented workaround for 4D bug ACI0093920 when using invisible fields in virtual structure (not all fields were available - 4D reports less fields than actually available)

- Fixed printing of attributed text when the text is not empty, but only contains formatting

- Fixed text printing with 64-bit 4D server on Mac

- Using *SR_SetLongProperty* ($REPORT;1;SRP_Report_DoMenuNoProc;SR MenuItem Page Setup) no longer goes to TRACE (with error -6) when not cancelled

- Fixed error reported when printing on Mac using "Any Printer": instead of -32872 (kPMNoDefaultPrinter) error -30871 (kPMOutOfScope) was reported later

- Fixed possible crash when using old 'SR Set Object Format'

- Fixed drawing of the Table object, especially in the Editor

- Fixed printing of the Table object when header is not used (columns could loose/ignore some formatting)

Version 3.2 – Important Note regarding Constants

- Many constants were removed in version 3.2 from other themes when they were duplicates of SRP Object Properties or SRP Style Properties. You may need to perform a Replace all in 4D design mode looking for the old constant name and replacing it everywhere with SRP_Object_XXX or SRP_Style_XXX. **Edit > Find in design** (old name) then **Replace in content** (new name).
    - e.g. removed SRP_Variable_Kind, use SRP_Object_Kind instead
    - e.g. removed SRP_Variable_FontName, use SRP_Style_FontName instead
- See the **Common properties: Objects and Styles** section in the Developer Manual.

Version 3.2 – Changes

- Internal progress window (printing/export) uses less CPU

- Modified session printing behavior: every printed report uses his own page setup (if available/allowed to be used), not the optional one provided when the session is initiated
    - MacOS: page orientation should be correctly honored
    - Windows: using internal PDF generator (not printing) does the same (and works without providing a template when opening the session)

- **Support of the new e-Node Online instant activation:** this optional registration removes the need to retrieve the serial information or machine ID from the end user setup

- New parameters to *SR_Register* for Online automatic registration:

  SR_Register (licenseKey ; options ; email)
  - options is a longint combining up to 4 bits :
    - bit 0: force check - if this bit is on (true), the provided key is tested regardless of current registration state. If the plugin was not previously registered and the result is 0, it is registered the same way as if the bit was off (or the whole parameter omitted)
    - bit 1: confirm connection "Is it OK to connect to e-Node's license server to register SuperReport Pro?"
    - bit 2: display alert if registration error
    - bit 3: display alert if registered

    (default is no force check, silent mode)
  - email is a text parameter holding your email address if you want to be notified when registration is performed (or fails) including the key that was issued and user IP information

- Removed obsolete properties SRP_Section_HTMLPrefix & SRP_Section_HTMLSuffix (use SRP_Object_HTMLPrefix & SRP_Object_HTMLSuffix)

- Default text color and frame/line color in the editor are now separated -> color picker uses the proper one, not always the frame/line color

- Changed implementation for rectangles: the grid (the lines drawn when number of columns or rows is greater than 1) uses the dash style specified for the rectangle

- Modified object binding implementation: lines are correctly resized/moved depending on the parent (section/group) size change

- Modified PDFCreator specific code to support PDFCreator 2.0 (the COM interface is not functional there, SuperReport Pro uses "C:\Program Files\PDFCreator\Ghostscript\Bin\gswin32c.exe" directly when it can't load the COM interface)

<p align="center">Version 3.2 – New properties</p>

- SRP_Text_PrintEmptyText
  - category: Text
  - value: "txtF"
  - type: boolean
  - access: read/write/persistent
  - XML name: "printEmptyText"
  - default: 0 (False)
  - usage: set to 1 (True) to override old v2.x behavior and print empty text (old behavior was to print nothing when text is empty and was implemented in 3.1.2b1)
- SRP_Variable_PrintEmptyText

- o category: Variable
- o value: "txtF"
- o type: boolean
- o access: read/write/persistent
- o XML name: "printEmptyText"
- o default: 0 (False)
- o usage: set to 1 (True) to override old v2.x behavior and print empty text (old behavior was to print nothing when text is empty and was implemented in 3.1.2b1)
- ▪ SRP_Field_PrintEmptyText
    - o category: Field
    - o value: "txtF"
    - o type: boolean
    - o access: read/write/persistent
    - o XML name: "printEmptyText"
    - o default: 0 (False)
    - o usage: set to 1 (True) to override old v2.x behavior and print empty text (old behavior was to print nothing when text is empty and was implemented in 3.1.2b1)
- ▪ SRP_Report_PrintEmptyText
    - o category: Report
    - o value: "txtF"
    - o type: boolean
    - o access: read/write/persistent
    - o XML name: "printEmptyText"
    - o default: 0 (False)
    - o usage: set to 1 (True) to override old v2.x behavior and print empty text (old behavior was to print nothing when text is empty and was implemented in 3.1.2b1)
    - o note: when this property is set to 1 (True), the other three new properties are ignored (handled as if set to True)

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Version 3.2 – New features

</div>

- ▪ Support for rounded rectangle splitting over sections
- ▪ **MacOS 64-bit 4D Server support**
    - o should not be used on 64-bit to convert SRP 2.x reports
    - o does not support old PICT pictures
- ▪ Spanish localization
- ▪ 2D-array support: to use 2D array "varname"'s column x, specify "varname{x}" and specify array auto/array index

- The editor now displays "varName{}" (array auto) and "varName{123}" (array with index) in variable aliases
  - using "varName" with "Array Element" 3 will display "varName{3}"
  - using "varName" with "Array (Automatic)" will display "varName{}"
  - using "a2DTable{2}" with "Array Element" 3 will display "a2DTable{2}{3}"
  - using "a2DTable{2}" with "Array (Automatic)" will display "a2DTable{2}{}"
  - Note: specifying "Variable" for an array is identical to "Array (Automatic)", e.g. "a2DTable{2}" with "Variable" will display "a2DTable{2}" but will behave as "a2DTable{2}{}" at execution
- Reports created from AreaList Pro using *AL_SuperReport* with 2D arrays print correctly
- Virtual structure now supports **ARRAY TIME** (such variables correctly use the time icon in Hierarchical List)

Version 3.2 – Fixes

- Improved stability with 4D v14 on Windows (including window flickering)
- Paste-Cmd/Ctrl-V was not always working (bug due to 4D v14 changes)
- *SR_Register* no longer displays a dialog on invalid key
- session printing on Mac no longer modifies the destination of the session (e.g. print to the printer instead of creating a PDF)
- [DE] „Prop. verkleinert (zentriert)" picture format now handled correctly
- Fixed behavior of the "print always" property of break headers - now the breaks really always print
  - Note: the fix is in the section properties dialog - the dialog was not setting "always" property (SRP_Section_Break_Always) to 1, thus you have to manually "fix" every report which does not work correctly (open the break header, click OK)
- Fixed compatibility: when SR Print Option UseDefPrinter is not specified, the printer stored in the report is used (option was ignored since 3.0mc4)
  - this affects: *SR Print Report*, *SR Print PICT*, *SR Get Number Of Pages*
- Adding a column to a Table object will correctly initialize the style from the Table's style
- Fixed possible freeze on Windows: specifying invalid printer name on command line enters an infinite loop; now it will report Windows error 1801 (invalid printer name); note that invalid printer name stored in a report will be ignored and the default printer will be used (as it did previously), but explicitly trying to use invalid printer name will not freeze

Printing AreaList Pro areas

AreaList Pro v9.4 and above allows printing or saving as HTML through SuperReport Pro v3. 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.

Note: use AreaList Pro v9.7 or higher and SuperReport Pro v3.2 or higher to print AreaList Pro areas with their footers.

You can either use the built-in SuperReport Pro template to print an AreaList Pro area "on the fly" or create your own.

The AreaList Pro Demonstration database now includes a "Print with SuperReport Pro" button in the "AreaList > Configuration Options…" dialog. It also includes a SuperReport menu, allowing printing with the default template or a custom template, and editing / creating your own templates.

Please refer to the "Printing With SuperReport Pro" section in the manual for details about how to use SuperReport Pro to print AreaList Pro areas.

Note: an "Extension to SuperReport Pro" license offer is available at 60 €: any non-unlimited AreaList Pro license type can now also include or be extended to a SuperReport Pro license.

Contact

SuperReport Pro 3.3 is a free upgrade from version 3.x.

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