

Release Notes: 4.6.0.55 RC6 – 12 February 2024

In the past versions of NuVu Reporting, using the XML data source for the raw data, and with complex design definitions with multiple sections, there was always a need to manipulate the 'starting down row' item for the triggers, so that the floating sections appeared in the correct position down the page.

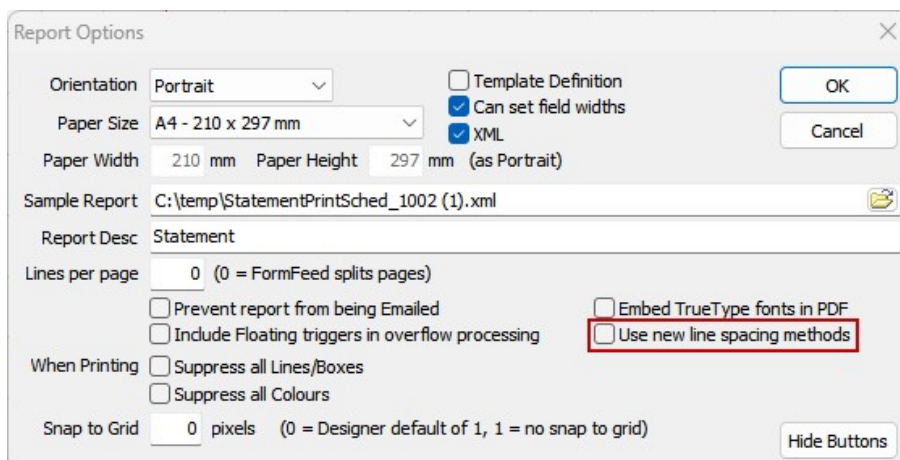
This was prone to error depending on if the details wrapped over multiple lines.

This release (RC6) provides an ALTERNATIVE method of processing the triggers, ensuring that the floating triggers always start in the appropriate position down the page. This document describes how to do this, and also illustrates via examples of the differences.

You may ask "why didn't NuVu just adopt this new ALTERNATIVE method?" – well this new method requires some work to be done to the triggers so without reworking the trigger properties, it would have meant a significant effort to change all the existing report definitions to automatically use this method.

How to enable the new ALTERNATIVE line spacing methods

- Use the Report Designer to open any existing report definition that uses XML as it's data source.
- From the Menu at the top, select '**Options**' then select '**Report Properties**', the following screen is displayed:



The screenshot shows the 'Report Options' dialog box with the following settings:

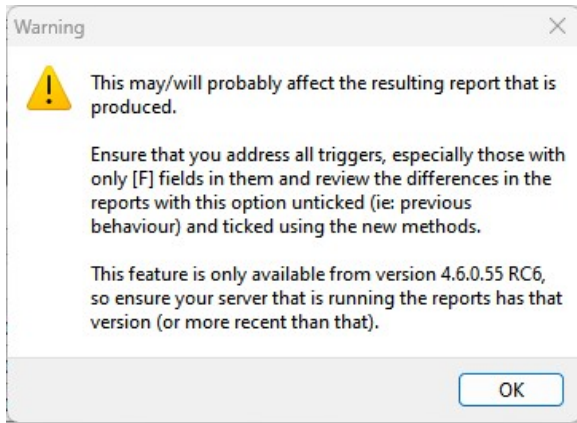
- Orientation: Portrait
- Paper Size: A4 - 210 x 297 mm
- Paper Width: 210 mm, Paper Height: 297 mm (as Portrait)
- Sample Report: C:\temp\StatementPrintSched_1002 (1).xml
- Report Desc: Statement
- Lines per page: 0 (0 = FormFeed splits pages)
- Prevent report from being Emailed:
- Include Floating triggers in overflow processing:
- Embed TrueType fonts in PDF:
- Use new line spacing methods:** (highlighted with a red box)
- When Printing: Suppress all Lines/Boxes: ; Suppress all Colours:
- Snap to Grid: 0 pixels (0 = Designer default of 1, 1 = no snap to grid)

- The default for all previously created (or New) definitions is to have the red-outlined 'Use new line spacing methods' unticked – ie: behaviour will be exactly the same for all existing templates unless you decide to change it.
For new definitions when you advise that you are using an XML data source, this 'Use new line spacing methods' will be automatically ticked for you – as that is the best way to ensure consistent positioning of the triggers on a page but can be unticked if required.

NOTE:

This release will also automatically tick the **XML** box if your advised sample report has a .xml extension, and therefore the 'Use new line spacing methods' will be ticked.

- If you are modifying an existing definition, and tick the 'Use new line spacing methods' then you will also be presented with the following message, just warning you that you need to address all floating triggers (and perhaps non-floating one's also) as shown below:



Click the OK button to dismiss this message.

- Click the **OK** button on the main dialog window, and then save the definition to use these settings next time.

Explaining changes needed to be made to your definitions

Floating triggers probably need to be changed from having the spacing and down-field starting position that were before the fields in the trigger, to be adjusted so the down-field starting position is below the [F] fields and the [F] fields are positioned as close as possible to the top of the floating trigger.

To illustrate, lets look at a previous definition header trigger and the details floating trigger:

See the blue line is at 73mm down the page (in the non-floating trigger) – this is to cater for the original spacing logic that was flawed in previous versions of the NuVu Reporting software.

Also the floating 'Details' trigger has the blue line ABOVE the details and white space before that too – again compensating for the way that NuVu used to calculate the spacing between triggers.

When this is previewed, depending on the XML contents, the position on the output canvas differs from page to page, as shown on the following 2 pages:

#	PRODUCT NO	DESCRIPTION	QUANTITY	UOM	PRICE	EXT. PRICE
1	1401012	3/4" T&G 350 Series 4x8 OSB (43/unit) (Orange) LP	6.00	EA	\$34.50	\$207.00T

Page 1

Report Previewer	PRODUCT NO	DESCRIPTION	QUANTITY	UOM	PRICE	EXT. PRICE
1	2401007	30° 3-1/4"x.131 Sm Bright Nails, 2000ct Grip Rite	4.00	BX	\$49.18	\$196.72T
2	2401005	30° 2-3/8x.113 Sm Nails, 2500ct Grip Rite	4.00	BX	\$34.50	\$138.00T

Page 2

Viewing each page the starting position is different and cannot be relied upon – sometimes there are no blank lines before the expected starting position, sometimes 1 or more empty lines are shown, as illustrated above.

Now using the new method:

After ticking the 'Use new line spacing methods' explained above, change the trigger that fires just before the start of the detail nodes (in this case InvoiceLines) so that the 'draw after spacing' option (blue line) is just below the column headings (90mm down the page in this example).

#	PRODUCT NO	DESCRIPTION	QUANTITY	UOM	PRICE	EXT. PRICE
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To change the position of the blue line, click on the Trigger properties, and change this:

DownField Details

Primary Down Section Ignore blank lines

XML node:

Section Height: mm

Draw after spacing: mm

Then adjust the floating 'details' trigger to be something like this:

Trigger: 05: "<ttInvDetail>" in any column

mm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Number [F] productId [F] productDescription quantityOrdered [F] unit exclusivePrice [F] taxable eSellExclusive

See the downfields (there are none but important for the spacing) blue line is shown now BELOW the [F] fields and the [F] fields are all aligned at the top of the floating trigger.

When this is previewed, the position on the output canvas is consistent from page to page, as shown on the following 2 pages:

#	PRODUCT NO	DESCRIPTION	QUANTITY	UOM	PRICE	EXT. PRICE
1	1401012	3/4" T&G 350 Series 4x8 OSB (43/unit) (Orange) LP	6.00	EA	\$34.50	\$207.00T
1	2401007	30° 3-1/4"x.131 Sm Bright Nails, 2000ct Grip Rite	4.00	BX	\$49.18	\$196.72T
2	2401005	30° 2-3/8x.113 Sm Nails, 2500ct Grip Rite	4.00	BX	\$34.50	\$138.00T

Page 1

Page 2.. onwards

Also note that if the productDescription field wraps over 2 or more lines, the blue line will expand to accommodate that, as per this example:

#	PRODUCT NO	DESCRIPTION	QUANTITY	UOM	PRICE	EXT. PRICE
1	9301251	12" 44-Tooth General Purpose Saw Blade Diablo	1.00	EA	\$37.25	\$37.25T
2	9301132	9" Demo Demon Carbide General Purpose Recip Saw Blade 3pk Diablo	1.00	EA	\$25.20	\$25.20T
3	1201057	Randoms Hem Fir Select Structural 2x8x12' Commodity	10.00	EA	\$16.98	\$169.80T

This feature has not changed and will work the same way with/without the 'Use new line spacing' being ticked.