

Multi-Page Floating Tables in Writer: A First Cut

Miklos Vajna

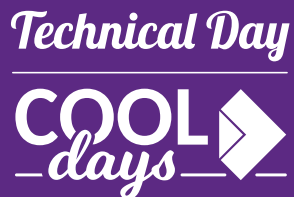
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Collabora
Online





About Miklos

- From Hungary
- More details:
 - <https://www.collaboraoffice.com/about-us/>
- Google Summer of Code 2010 / 2011
 - Rewrite of the Writer RTF import/export
- Then a full-time LibreOffice developer for SUSE
- Now a contractor at Collabora



Results so far



Layout

He heard quiet steps behind him. ¶	That didn't bode well. ¶	Who could be following him this late at night and in this deadbeat part of town? ¶	
And at this particular moment, just after he pulled off the big time and was making off with the greenbacks. ¶	Was there another crook who'd had the same idea, and was now watching him and waiting for a chance to grab the fruit of his labor? ¶	Or did the steps behind him mean that one of many law officers in town was on to	

		him and just waiting to pounce and snap those? ¶	He tried to nervously tap his way along in the inky darkness
He nervously looked all around. ¶	Suddenly he saw the alley. ¶	Like lightning he darted off to the left. ¶	
and suddenly stiffened: it was a dead-end, he would have to go back the way he had come. The steps got louder and louder, he saw the black outline of a figure coming around the corner. Is this the end of the line? he thought pressing himself back against the wall trying to make himself invisible in the dark,			



User Interface

Position and Size Options Wrap Hyperlink Borders Area Transparency Columns Macro

Size

Width 14.24 cm — +

☐ Relative to Entire paragraph area ▼

☐ AutoSize

Height (at least) 0.04 cm — +

☐ Relative to Entire paragraph area ▼

☒ AutoSize

☐ Keep ratio

Anchor

☐ To page

☒ To paragraph

☐ To character

☐ As character

Preview

Position

Horizontal From left ▼ by -0.01 cm — + to Entire paragraph area ▼

☐ Mirror on even pages

Vertical From top ▼ by 0.00 cm — + to Entire paragraph area ▼

☐ Keep inside text boundaries

☒ Allow frame to split across pages

Help Reset Cancel OK



Importers, exporters

- DOCX (OOXML) import and export is implemented
 - Import is disabled by default, SW_FORCE_FLY_SPLIT=1 opts in
- ODT (ODF) import and export is implemented

floating			Search
Preference Name	Property	Type	Value
▼ org.openoffice.Office.Writer			
└─ Filter			
└─ Import			
└─ DOCX	ImportFloatingTableAsSplitFly	boolean	false

How is this implemented?



Layout representation

3 He heard quiet steps behind him.	That didn't bode well.	5 Who could be following him this late at night and in this deadbeat part of town?	1
And at this particular moment, just after he pulled off the big time and was making off with the greenbacks.	Was there another crook who'd had the same idea, and was now watching him and waiting for a chance to grab the fruit of his labor?	Or did the steps behind him mean that one of many law officers in town was on to	

2

3		him and just waiting to pounce and snap those?	He tried to nervously tap his way along in the inky darkness
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4

1

At-paragraph anchored text frame

2

Frame height is automatic

3

Top left of anchor frames

4

Content flows around the frame on the last page

5

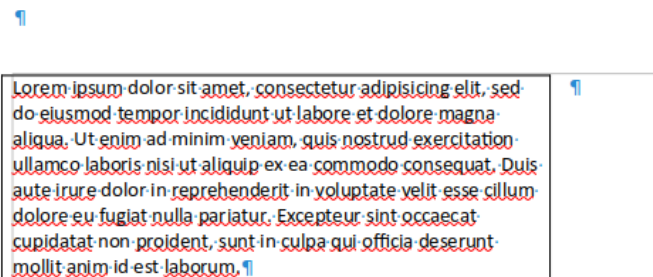
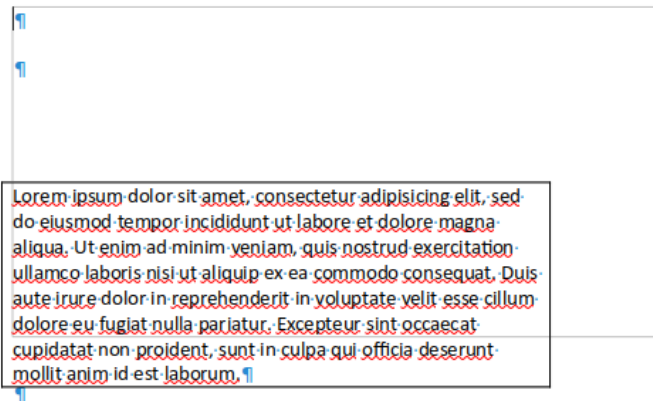
Vertical offset is only rendered on the first page



Legacy mode, for Word <= 2010

And then the usual steps

- Document model
- UNO API
- Filters
- Testing
- UI
- Documentation
- ODF specification





Summary

- Originally requested in 2013, multi-page floating tables are coming to Writer this year
 - COOL 23.05 / LibreOffice (perhaps) 7.6
- Status: ~25% done, but you can already opt in to try it out
- How it interacts with headers/footers, orphan/widow control, minimal row height, compatibility modes, change tracking, etc. – is complex, but we're working on it
- Defaulting to the way today's Word (≥ 2013) does it, but also have a legacy mode for older documents