



Collabora Productivity

New features in the Online since the last conference

By Jan Holešovský
Collabora Productivity

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LibreOffice Online

High fidelity, WYSIWYG rendering

- A tough problem; 20+ years of code.

Great Interoperability Support:

- DOC, DOCX, PPT, PPTX, XLS, XLSX + ODF.
- Import/View Visio, Publisher + 100 more

Easy to deploy

- No database, plain C++ binaries, no expensive dependencies, just eg. use the CODE docker

Rich Document Collaboration

- More and more features known from the desktop LibreOffice exposed with every version



What does it look like

The screenshot displays the Collabora Online web interface. At the top, there is a menu bar with options: File, Edit, View, Insert, Format, Table, Tools, and Help. Below the menu is a toolbar with various editing tools like Bold (B), Italic (I), Underline (U), and text color (Aa). The main content area is split into two columns. The left column contains a header for 'Collabora Online 3.2' and a paragraph of text describing the product as an enterprise-ready LibreOffice-based suite. The right column features a chat sidebar with three messages from users Michael Meeks, jane, Emily, and Alan. The bottom status bar shows search, page information (Page 1 of 2, 279 words, 1,908 characters), language (English (USA)), and zoom level (100%).

Collabora Online 3.2

Collabora Online: the enterprise-ready LibreOffice-based Online Office Suite that allows you to stay in **control of your own documents, full control of your office files.**

LibreOffice is the world's most popular Open Source Office suite with over 200 million users. Collabora, a leading contributor to the project, and developer of the enterprise-ready, Long Term Supported edition of LibreOffice, Collabora Office, has now brought LibreOffice to the Cloud with Collabora Online.

With Collabora Online you now have access to a powerful, enterprise-ready and 100% Open Source Online Office suite functionality, with excellent support for all popular office file formats and

Chat Messages:

- Michael Meeks** (Sun Jun 24 2018): Insert ' '
- jane** (Thu Apr 27 2017): Can we add the version number here too?
- Emily** (Thu Apr 27 2017): Great idea! Let's check the rest of the document too, and let's add a link: collaboraoffice.com
- Alan** (Thu Apr 27 2017): Delete 'control o...cuments.'

Status Bar: Search: [] | Page 1 of 2 | 279 words, 1,908 characters | Standard selection | English (USA) | Document saved | 1 user | 100% +

What does it look like #2

SEO-Dashboard.xlsx - Office - Mozilla Firefox

www.collaboraoffice.com/

File Edit View Insert Cells Help

Calibri 11

=\$Data.E4

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	GuitarShopExample.com		1/1/2016 - 12/31/2016												
2	Top Keywords														
3	Guitar Straps														
4	Bass Guitar Pick														
5	Gibson Acoustic														
6	Marshall Amp														
7	Les Paul Guitar														
8	Gibson Acoustic														
9	Peavey Amp														
10	Fender Black amp														
11	Hollowbody guitar														
12	Mesa Boogie amp														
13															
14															
15															
16	Page		Backlinks		Indexed URLs		URLs								
17			953				637								
18	page-1/		30												
19	page-2/		79												
20	page-3/		97												
21	page-4/		285												
22	page-5/		18												

SERP Rank

- Guitar Straps
- Bass Guitar Pick
- Gibson Acoustic
- Marshall Amp
- Les Paul Guitar
- Gibson Acoustic
- Peavey Amp
- Fender Black amp
- Hollowbody guitar
- Mesa Boogie amp

Our top product ranks number 1

Alan
04/27/2017

jane

Non-Paid Search Traffic

john

Emily

Search	Conversions	Signups
Guitar Straps	38	10
Bass Guitar Pick	236	197
Gibson Acoustic	143	90
Marshall Amp	550	391
Les Paul Guitar	90	37

Dashboard Data

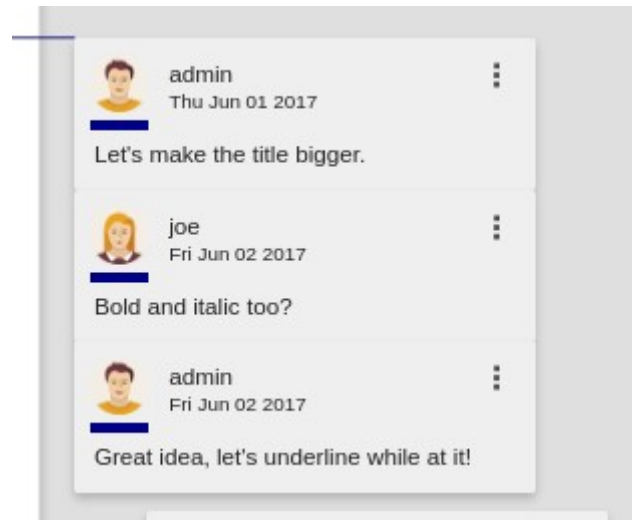
Search: Sheet 1 of 2 Standard selection Average: ; Sum: 0 4 users 100%

The New Features

Avatar support in Nextcloud

September 2017

- Implemented in richdocuments by Lukas Reschke (Nextcloud) during the conference :-)
- The support in the Online was pre-existing though

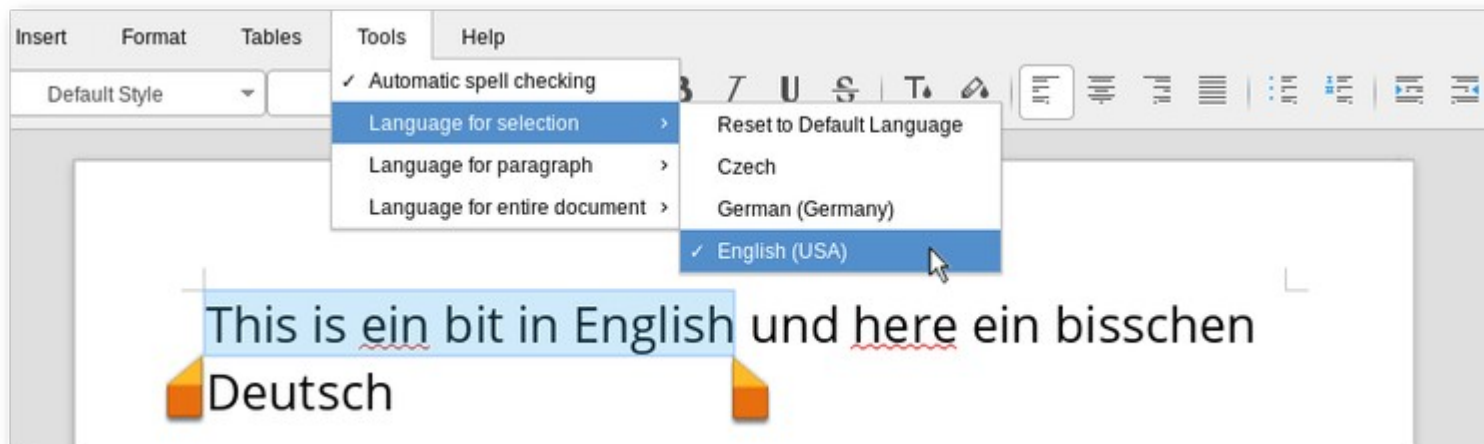


Spell checking support

In Writer, Calc and Impress

- Including new menu item to turn on/off the automatic spell checking – needed some LibreOffice fixes too
- Submenus to switch the languages and statusbar to indicate the current language added too
- Henry Castro, Andras Timar (Collabora)

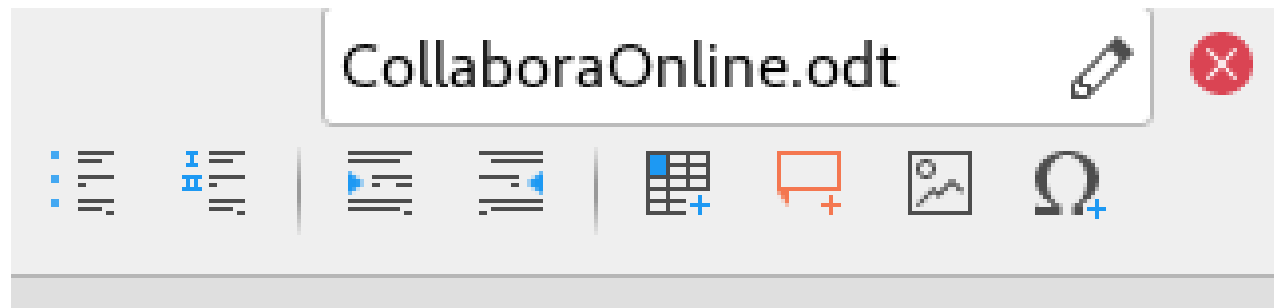
6 words, 26 characters | Insert | Standard selection | English (USA)



Save As support

Implemented using the WOPI's PutFileRelative entry point

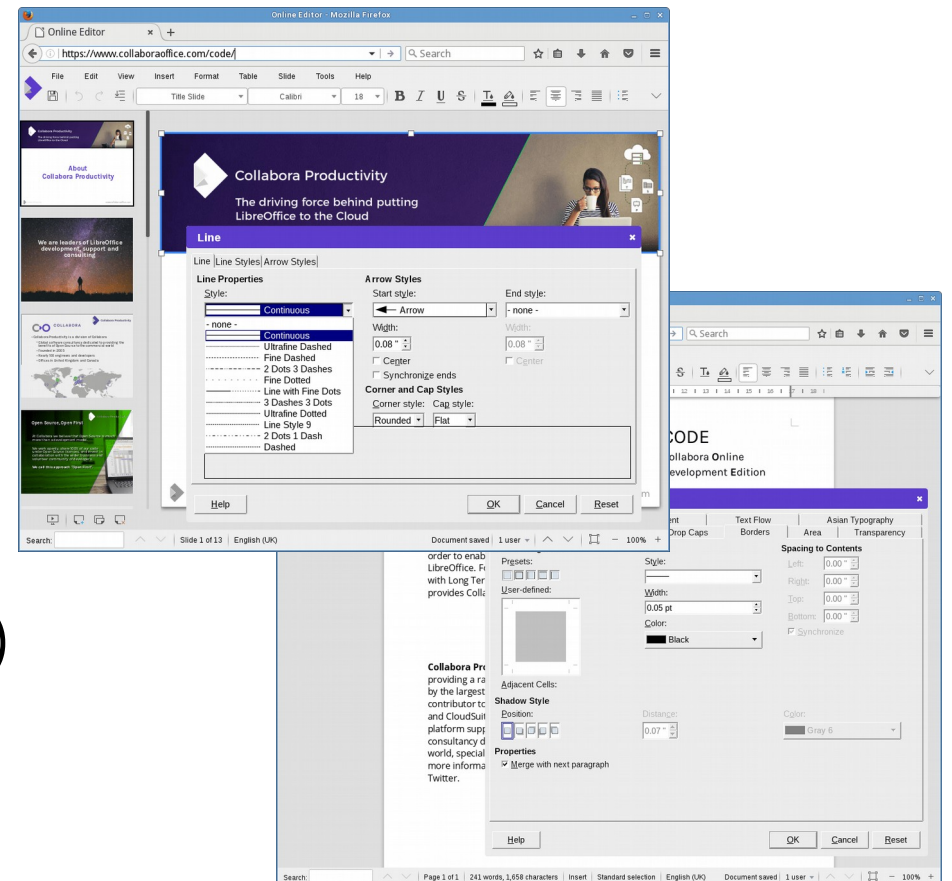
- Needed to be implemented on several levels
 - Infrastructure work in loolwsd
 - User interface – Save As... menu and input field
 - Support in the integrations (richdocuments)
- Done by Aditya Dewan (GSoC), Pranav Kant (Collabora) and Jan Holesovsky (Collabora)



Dialogs from LibreOffice

Exposing advanced features via dialog tunneling

- Advanced character, paragraph and page properties
- Line, fill, cell properties, etc.
- All that collaboratively!
- Dialogs exposed online have to be async
 - See a separate presentation about that
- Done by Pranav Kant (Collabora)



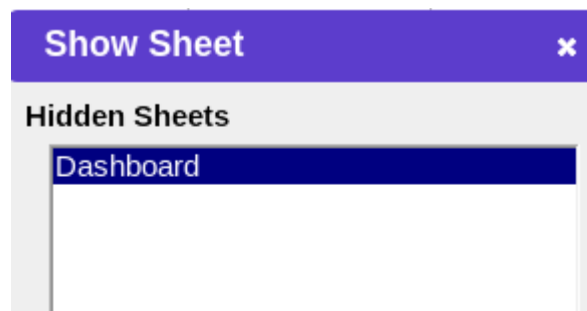
Various Calc improvements

Tunnelling the AutoFilter popup

- Using the same infrastructure as the dialog tunnelling itself
- Jan Holesovsky (Collabora)

Improved headers and tabs in Calc

- Outline and groups handling
- Hidden tabs
- Marco Cecchetti (Collabora)



	A	B	C	D	E	F
1	name	Priority	Start	Finish	Duration	Resource
2	CDL Project Plan without Lows2		500	2/12/09	2/13/10	87.3
3	Requirements and Development		500	2/12/09	1/1/10	77.3
4	Module 1		500	2/12/09	1/1/10	77.3
5	Eligible Transaction Sources		500	2/12/09	7/17/09	37.3
12	Stakeholder Discussions		500	3/10/09	7/20/09	31.3
18	Business Rules for Incoming Load		500	5/8/09	7/17/09	16.5
27	Definition of Intake Priorities (Me		500	3/31/09	4/14/09	3.3
30	File Load process map and gap		500	4/3/09	12/29/09	64.2
35	Product Data Source process map		500	3/9/09	5/27/09	19.0
39	Business Rules for Outgoing Data		500	4/6/09	7/1/09	20.6
42	Junk data analysis - approach opt		500	3/11/09	6/26/09	25.5
45	Document Intake Queue technical re		500	9/7/09	9/8/09	0.2
46	Process flow for Intake Queue		500	4/20/09	4/23/09	0.8
47	Document Intake Queue business re		500	6/22/09	6/23/09	0.3
48	Requirements Review and Post Rev		500	4/15/09	4/17/09	0.7
49	Finalize Source uptake Schedule		500	5/20/09	5/27/09	1.7
50	Development		500	2/12/09	1/1/10	77.3
70	Module 2		500	2/12/09	10/30/09	62.0
71	Decide on best record v/s best sc		500	2/12/09	2/20/09	2.1
77	Set thresholds - for all attribut		500	2/20/09	3/13/09	5.1
84	Document process flow for each p		500	3/10/09	3/26/09	4.0
88	Evaluate Compare Methods		500	2/23/09	3/3/09	2.3
94	General Requirements		500	2/24/09	6/5/09	24.6
102	Development		500	2/20/09	10/30/09	60.0
120	Manual Processing		500	2/12/09	12/1/09	69.6

Improved language support

Implemented IME support for Asian languages

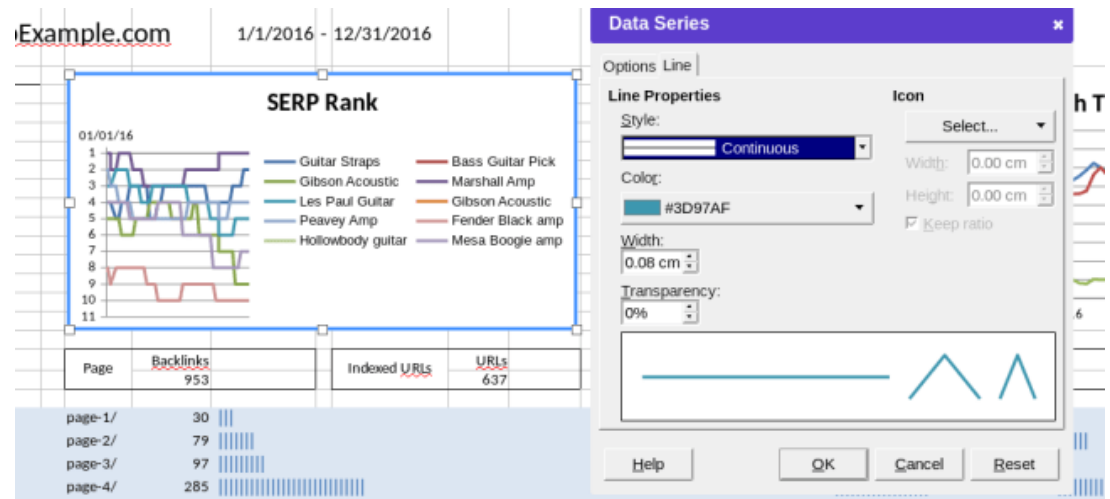
- Very hard behind the scenes – the web browsers make the life hard
- Pranav Kant (Collabora)



Many improvements around charts

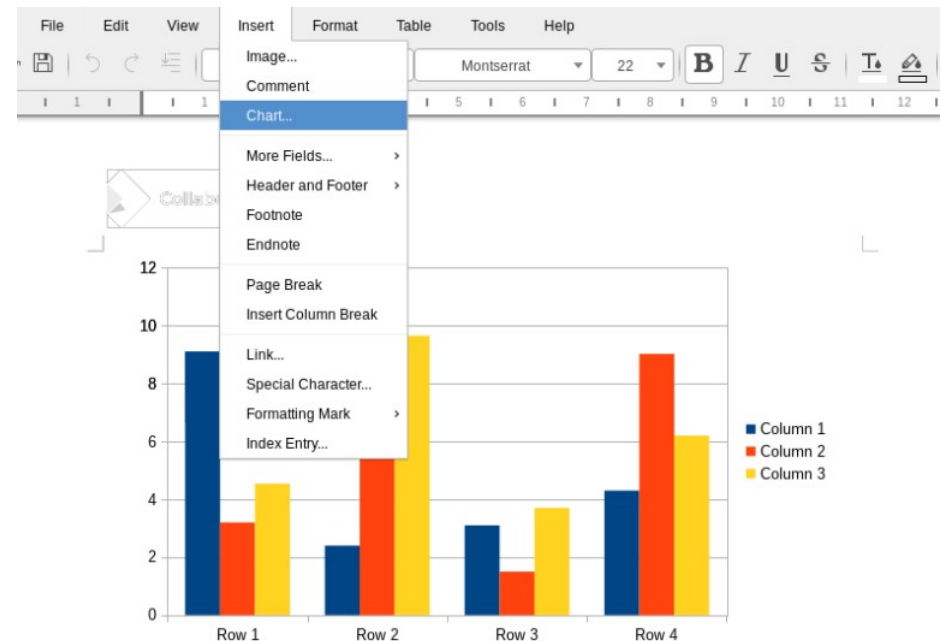
Data series editing

- Marco Cechetti, Pranav Kant (Collabora)



Creation of new charts

- Previously it was only possible to see an existing chart
- Now the creation is possible not only in Calc, but also in Writer and Impress



Data validation in Calc

Particularly the support for the dropdowns in the cells

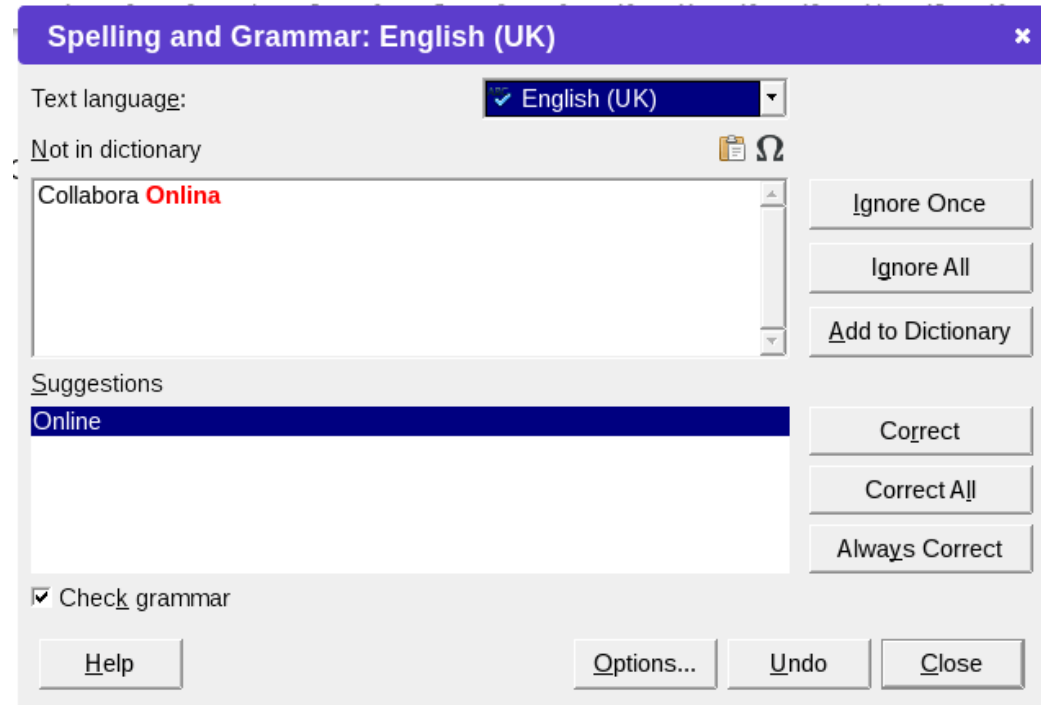
- When the user may choose from several choices
- The rendering cannot be in the tiles, but we had to create a separate layer for that in JS, so that validation popup from one view does not appear in the other
- Marco Cecchetti (Collabora)

	A	B
1	<i>The McMillan way:</i>	
3	Plate processing & residue transport plate funneling	
4	<i>Donnelly nut spacing grip grids</i>	No slippage
5	<i>Splay flexed brace columns</i>	Beam fastened
6	<i>Girdle plate Jerries</i>	Plate flex tandem pressure
7	<i>Vertipin plated pan traps</i>	Maiden clamp/SKN
8	<i>Beam fastened derrick husk nuts</i>	
10	Hunched Howzer Heat rails.	Tight
11	<i>Sprams from T-Nut to S.K.N</i>	Slippage

More spell checking improvements

Later in the year

- The spell checking dialog
- Right-click context menu for rapid choosing an alternative
- Previously this functionality was just disabled, otherwise it would crash
- Support for built-in LibreOffice dictionaries
- Henry Castro, Marco Cecchetti, Jan Holesovsky, Tamas Zolnai (all Collabora)

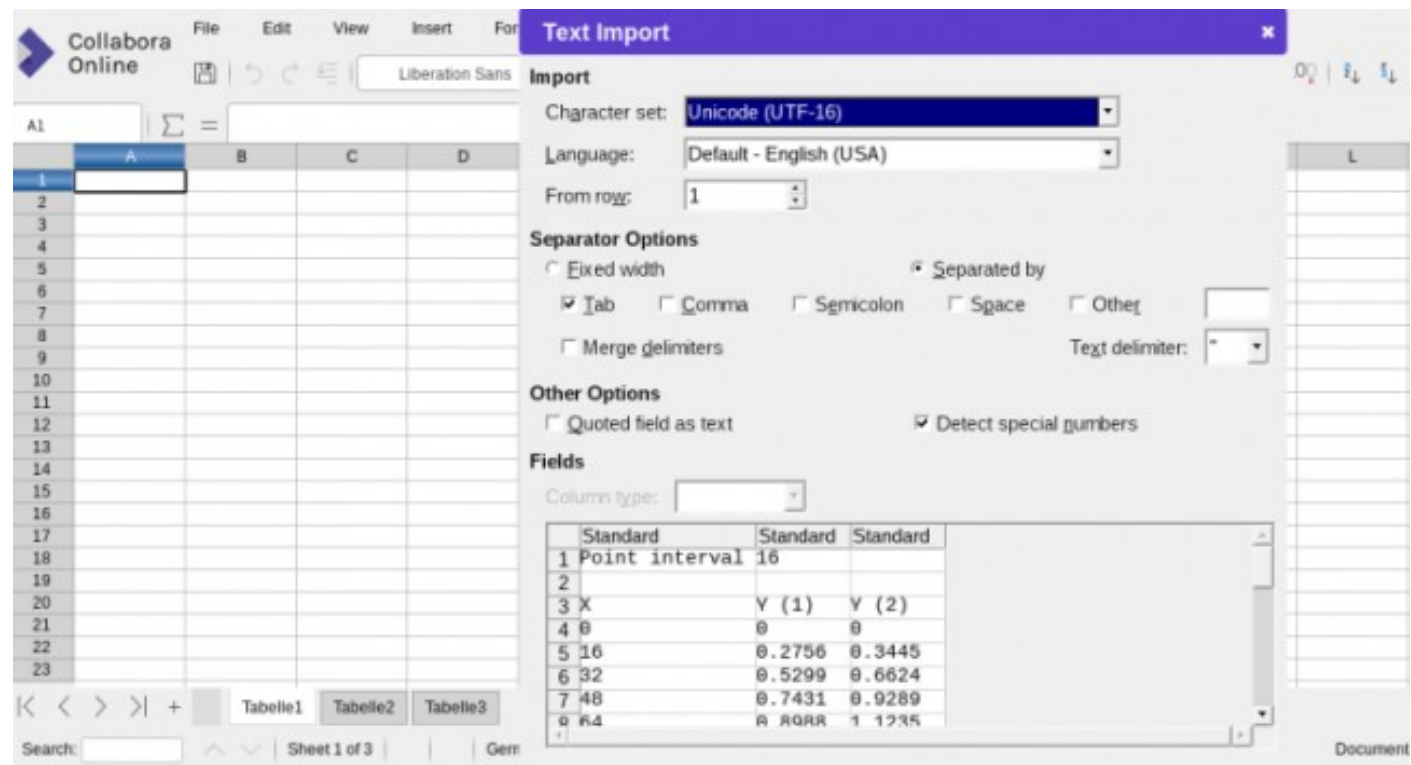


Improved the Paste operation

Significantly improved clipboard paste

- Now it preserves formatting, tables, images and more – you can copy from the desktop LibreOffice and paste to the Online

CSV paste in Calc



The screenshot shows the 'Text Import' dialog box in LibreOffice Calc. The dialog is configured with the following settings:

- Character set: Unicode (UTF-16)
- Language: Default - English (USA)
- From row: 1
- Separator Options: Tab, Comma, Semicolon, Space, Other. Text delimiter: "
- Other Options: Quoted field as text, Detect special numbers
- Fields: Column type: Standard

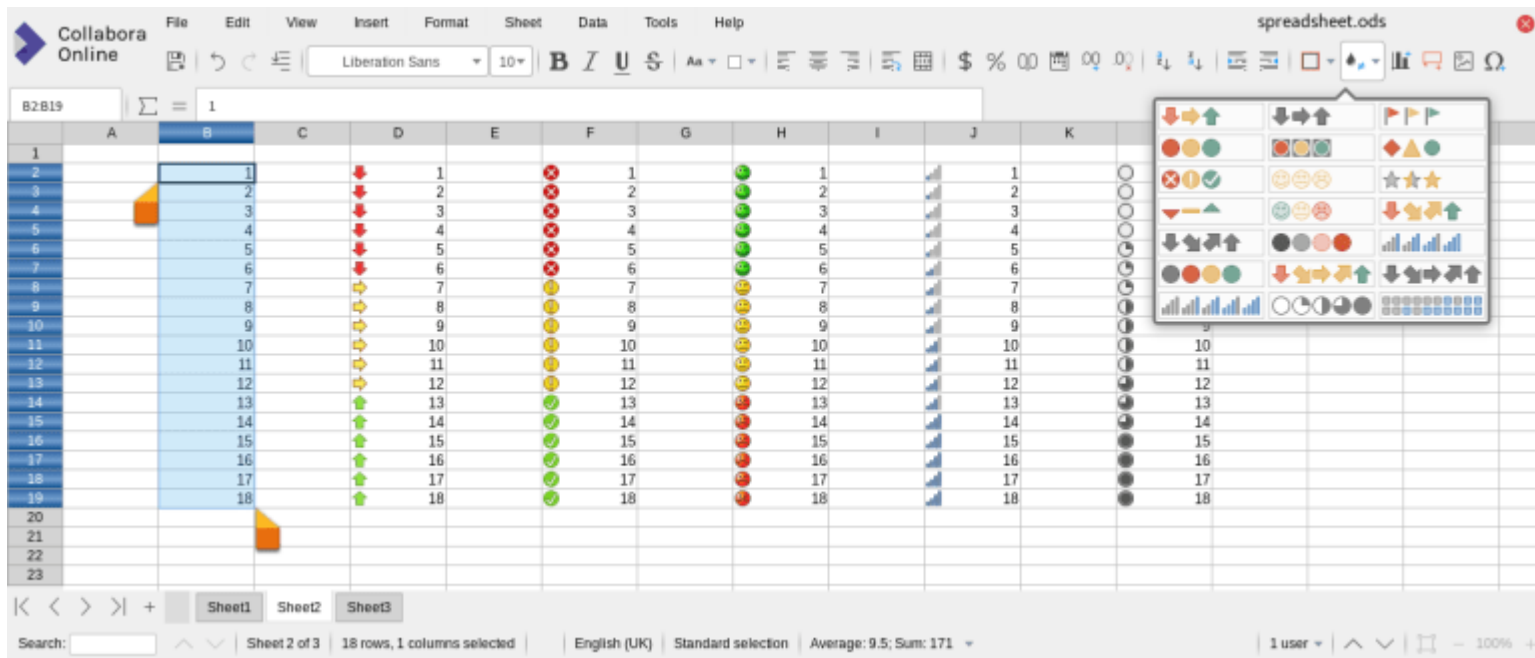
The 'Fields' section shows a preview of the imported data:

	Standard	Standard	Standard
1	Point interval	16	
2			
3	X	Y (1)	Y (2)
4	0	0	0
5	16	0.2756	0.3445
6	32	0.5209	0.6624
7	48	0.7431	0.9289
8	64	0.9088	1.1235

Conditional formatting support

Conditional formatting was displayed properly

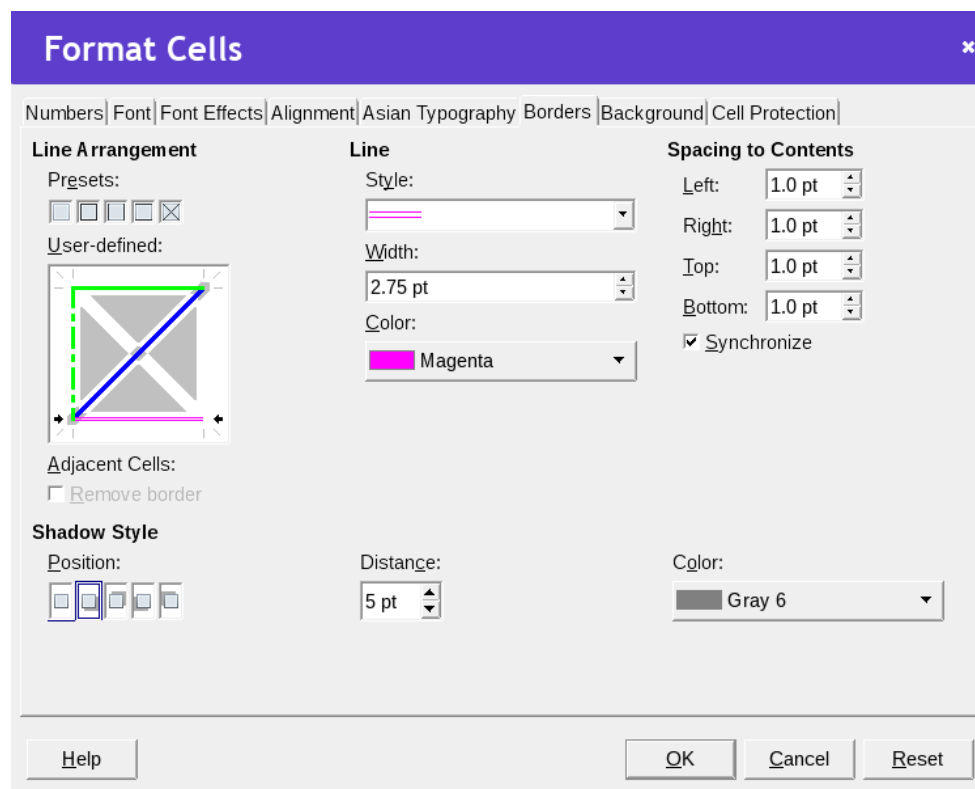
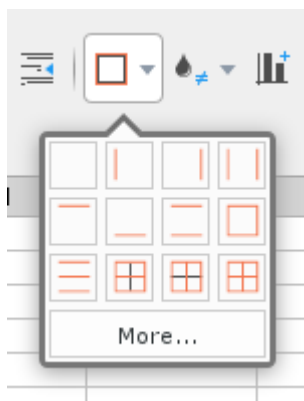
- But it was impossible to create new conditional formatting
- Exposing just the dialog was not convenient – very complex UI
 - Instead, people expect an easy to use dropdown



Easy to use Borders toolbar button

In addition to the advanced Borders dialog

- People used to have difficulties finding the dialog, necessary to have the the toolbar button too



Smaller bits

- Interactive horizontal ruler – Aditya Dewan (GSoC)
- Insert header / footer menu – Henry Castro (Collabora)
- Fixes of various unexpected jumps of the caret, reduction of dialogs flickering, etc.
- Improved the UI of the Print... functionality in Firefox
- Many improvements in the admin console
 - Thanks to Aditya Dewan (GSoC)



Collabora Productivity

Summary

- This is just a featured selection, much more has happened!
- Join the fun – clone the `online.git`, and implement your favourite missing feature :-)

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