

# Make Collabora Online yours



Pedro Silva

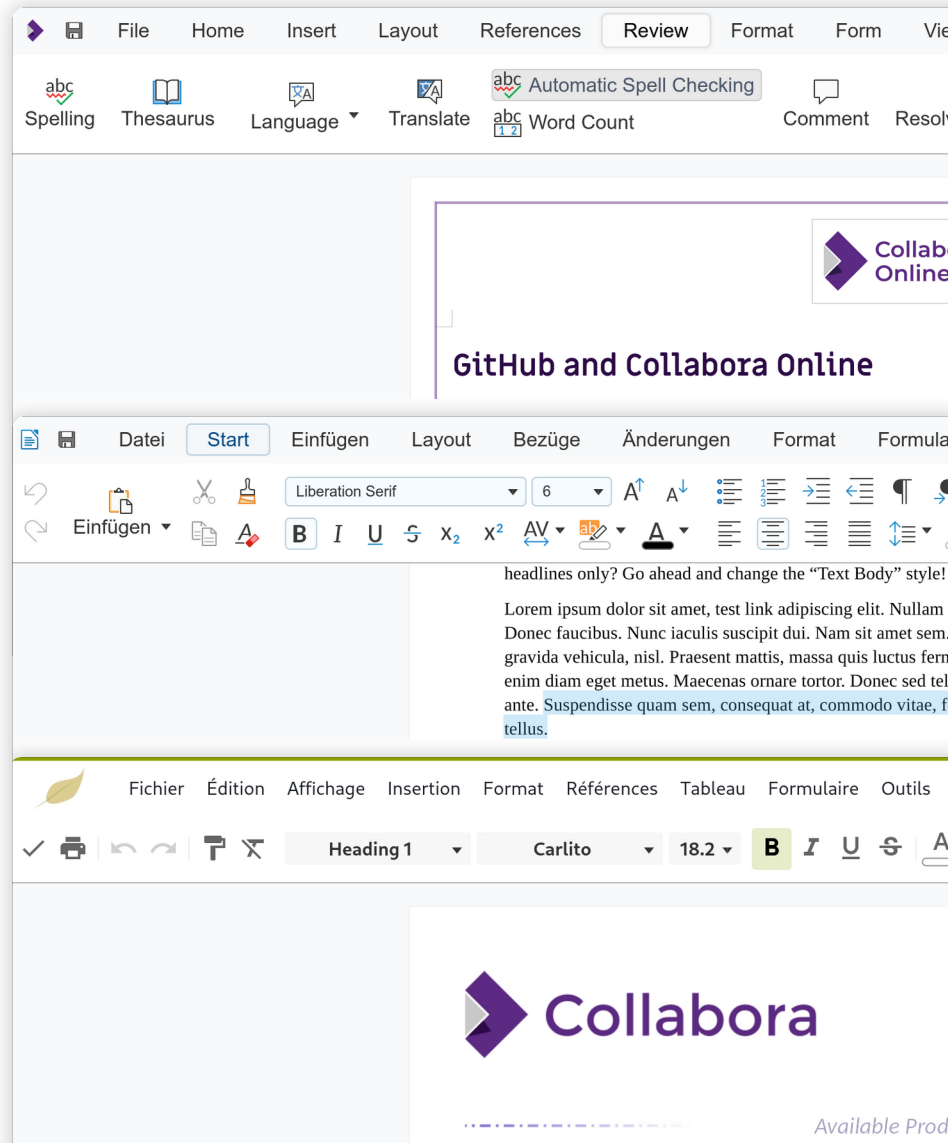
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Collabora  
Online



FOSDEM



The screenshot shows the Collabora Online web interface. At the top, there is a menu bar with options: File, Home, Insert, Layout, References, Review (active), Format, Form, View, Help. Below the menu bar is a toolbar with various icons for Spelling, Thesaurus, Language, Translate, Word Count, Comment, Resolved Comments, Record, Show, Next, Accept All, Reject All, Manage, and Accessibility. The main content area displays the Collabora Online logo and a document titled "GitHub and Collabora Online". The document text includes: "Data: To be determined, yes. I am true. Is versatile tool. LanguageTool is was your intelligent writing assistant for all common browsers and word processors." A red squiggly line under "is was" has triggered a popup menu with the following options: "Did you mean 'is', 'was', or 'it was'?", "Is", "was", "it was", "ignore", "ignore All", "Check Spelling", "Set Language for Selection", and "Set Language for Paragraph". Below the text, there is a section titled "Interesting links:" with three bullet points containing URLs: <https://github.com/CollaboraOnline/slides>, <https://staging.eu.collaboraonline.com/nextcloud>, and <https://www.collaboraoffice.com/online/collabora-online-demo-se...and-easy-user-access/>. Another section titled "First PR, Issues, bugs, easy hacks" has a bullet point for "First PR" with a link to <https://github.com/CollaboraOnline/online/blob/master/CONTRIBUTING.md>.



**LanguageTool → Thanks to Adfinis for making this possible**

Thanks Mert!



File Home Insert Layout References Review Format Form View Help CV.odt

Save Print Download Repair Properties

# JD

JOHN DOE  
Software Engineer

## Profile

Provide a brief description of who you are what some of your interest and hobbies are. Having a common interest with a potential employer can help him/her want to get to know you. Don't go overboard in this section.

## Contact

Address: 123 Example Street  
E-Mail: no\_reply@example.com

## Experience

**Company Name / Location – Job Title**  
*Month 20xx – Present*  
Brief description of the job description and responsit that you had to manage while working in this job as v the skills needed.

**Company Name / Location – Job Title**  
*Month 20xx – Month 20xx*  
Brief description of the job description and responsit that you had to manage while working in this job as v the skills needed.

**Company Name / Location – Job Title**  
*Month 20xx – Month 20xx*  
Brief description of the job description and responsit that you had to manage while working in this job as v the skills needed.

## Education

**School Name – Degree**

### PROPERTIES OF "CV"

General Description Font Statistics

CV.odt Change Password

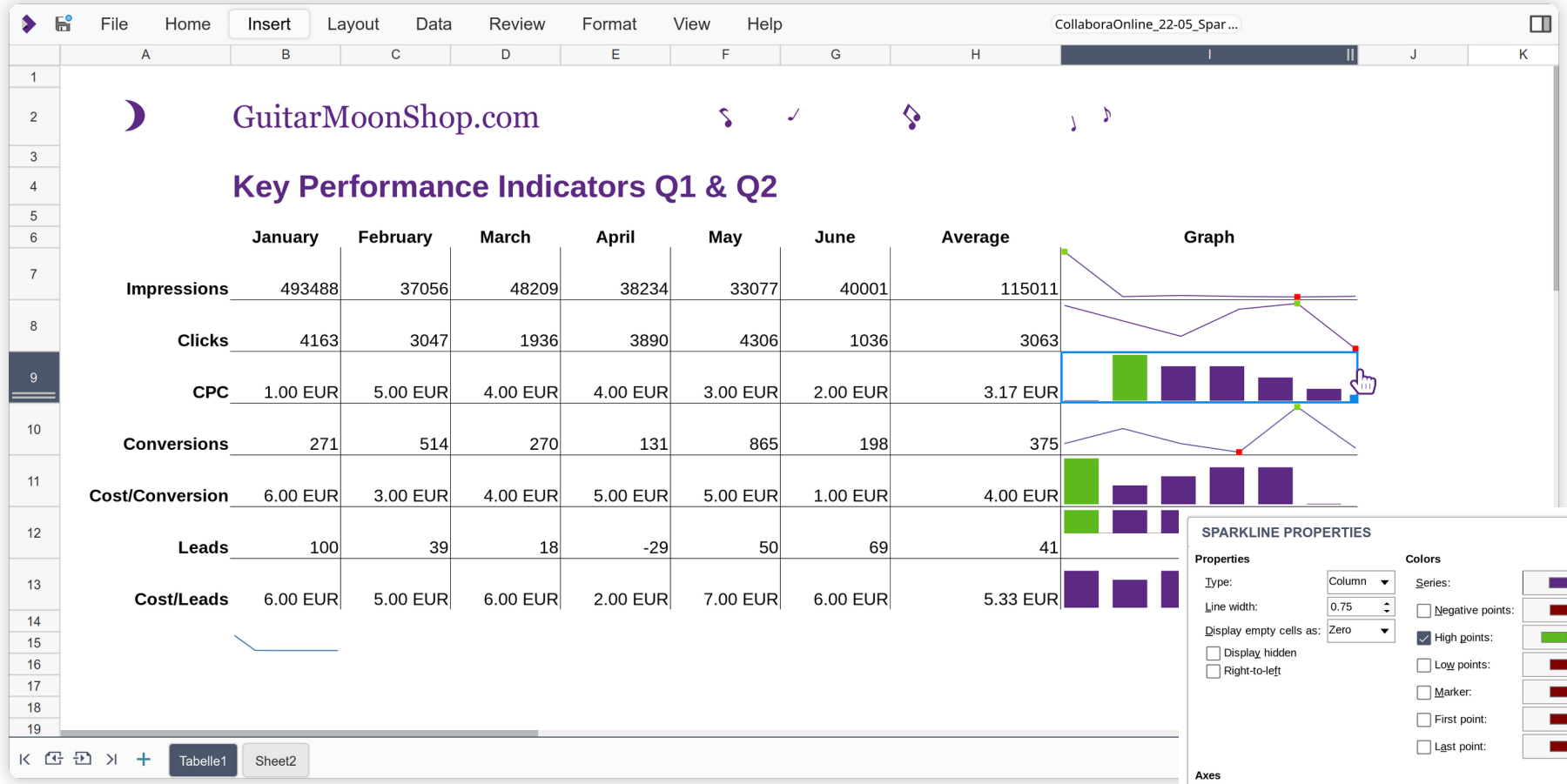
Type: OpenDocument Text  
Location: CV.odt  
Size: 25 KB (25,491 Bytes)  
Created: 01/09/2021, 14:28:14  
Modified: 01/09/2021, 20:52:35  
Template:  
Digitally signed:  
Last printed:  
Total editing time: 00:18:12  
Revision number: 9

Apply user data Reset Properties  
 Save preview image with this document  
 Image preferred DPI

Help Reset Cancel OK

**File properties → improved and now native**

Thanks to Adfinis for working with us to make this possible



**SPARKLINE PROPERTIES**

**Properties**

- Type: Column
- Line width: 0.75
- Display empty cells as: Zero
- Display hidden
- Right-to-left

**Colors**

- Series: #5C2983
- Negative points: #800000
- High points: Dark Lime 1
- Low points: #800000
- Marker: #800000
- First point: #800000
- Last point: #800000

**Axes**

- Display X axis
- Vertical minimum: Individual 0
- Vertical maximum: Individual 0

Buttons: Help, Close, OK



## Sparklines → new addition & improved compatibility with XLSX

Thanks to NGI and the EU's Horizon 2020 to make Tomaz Vajngerl's work possible.

The screenshot shows a LibreOffice window with the 'Review' tab active. An 'ACCESSIBILITY CHECK' dialog box is open, listing the following issues:

- Document title is not set
- No alt text for graphic 'Object1'
- No alt text for graphic 'Image1'

The background content includes the Collabora logo and two main sections:

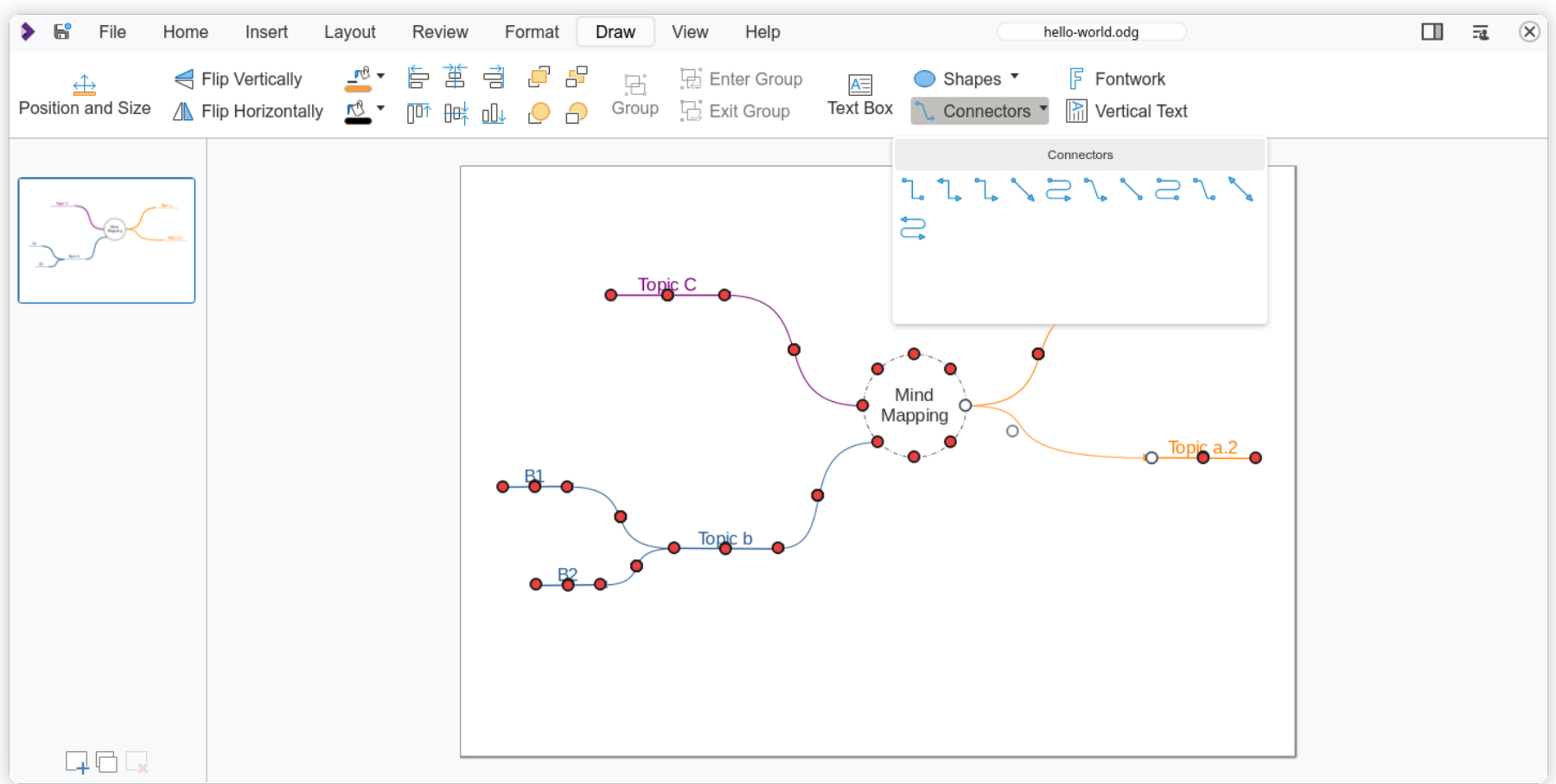
- Collabora Online:** Described as a powerful on-premise online office suite that supports all major document, spreadsheet and presentation file formats. It is collaborative, WYSIWYG editing, rich feature set, excellent office file format support. That is provided as an open source office suite that you install, manage and upgrade on your own terms – giving you digital sovereignty over your data.
- Collabora Office:** Described as the enterprise-ready office suite. It comes with installation and administration utilities, long term maintenance and contracted support, to deliver successful deployments and migrations. Customers consider a local installed, professionally supported open source office suite. Key to digital sovereignty.

On the right side of the page, there is a list of comments from a user named Pedro, dated Mon, 27 Sept 2021:

- Good to place a nice header image with editable text so it doesn't depend on this section
- Easier to navigate between them and easier to use them to navigate the document
- powerfull
- Using columns

## Accessibility check your documents → new addition

Create Documents According to the PDF/UA Standard (ISO 14289)





**Context tabs: Thanks for all the good work Andreas Kainz!**

Thanks to Adfinis for working with us to make this possible







File Home Insert Layout References Review Format Form Draw View Help infosheet-A4-all-products.odt


*Available Products*

## Collabora Online

Collabora Online is the **powerful** on-premise online office suite that supports all major document, spreadsheet and presentation file formats and which you can integrate into your own infrastructure. It provides you with collaborative, WYSIWYG editing a rich feature set, and excellent office file format support. That is provided as an online collaboration suite that you install, manage and upgrade on your own terms – giving you digital sovereignty over your documents.





File Home Insert Layout References



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**Anchor → improved, easy to pin point**

hycycloid-demo.xls

File Home Insert Layout Data Review Format View Help

Paste Arial 8 Number Merge Cells Conditional +1 +0 -2 Find and replace

R11  $f_x$   $\sum$   $=$  =R10+a\_inc

	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1											242.82	972.58	962.57		a_inc	b_inc	t_inc		Animate	-1652.15	2867.927
2											704.31	225.98	578.74		242.82	972.58	962.57		0	186548.5	188443.3
3											459.64	341.29	43.28								
4											562.70	477.21	912.07		a	b	t	x	y	x(norm)	y(norm)
5											834.68	586.13	620.31		1.00	1.00	1.00	1.00	0.00	0.00886177	-0.01521904
6											750.31	27.27	996.91		243.82	973.58	963.57	1,384.79	(863.73)	0.01627963	-0.01980255
7											546.95	794.73	269.32		486.65	1,946.17	1,926.15	2,950.41	(630.54)	0.02467219	-0.01856506
8											498.77	608.24	733.01		729.47	2,918.75	2,888.72	1,661.82	(165.15)	0.01776466	-0.01609546
9											357.19	144.15	892.24		972.29	3,891.34	3,851.30	(1,578.35)	(2,850.65)	0.00039563	-0.03034641
10											829.18	604.27	760.27		1,215.11	4,863.92	4,813.87	(2,100.94)	(7,838.78)	-0.00240578	-0.05681657
11											116.37	67.85	606.32		1,457.94	5,836.51	5,776.45	782.77	(9,092.03)	0.01305249	-0.06346711
12											29.14	376.94	151.09		1,700.76	6,809.09	6,739.02	870.20	(3,970.02)	0.01352117	-0.03628648
13											456.90	404.47	531.89		1,943.58	7,781.68	7,701.60	(6,197.93)	1,267.86	-0.0243678	-0.00849098
14											425.81	58.09	718.64		2,186.40	8,754.26	8,664.17	(14,520.74)	(495.12)	-0.06898255	-0.01784647
15											804.95	600.90	626.73		2,429.23	9,726.84	9,626.75	(14,225.88)	(5,718.10)	-0.06740195	-0.04556291
16											217.15	883.84	384.93		2,672.05	10,699.43	10,589.32	(5,743.62)	(3,355.53)	-0.02193245	-0.03302559
17											110.68	215.48	439.82		2,914.87	11,672.01	11,551.90	(944.75)	9,154.13	0.00379206	0.03335857
18											656.53	957.24	245.01		3,157.69	12,644.60	12,514.47	(6,763.55)	19,741.63	-0.02739987	0.0895426
19											847.51	616.30	868.14		3,400.52	13,617.18	13,477.04	(13,575.29)	16,841.23	-0.06391442	0.07415122
20											882.17	956.78	728.14		3,643.34	14,589.77	14,439.62	(7,025.56)	6,295.51	-0.02880434	0.01818896
21											427.04	189.16	904.81		3,886.16	15,562.35					
22											518.03	735.33	893.08		4,128.99	16,534.93					
23											607.40	461.85	57.34		4,371.81	17,507.52					
24											695.72	882.36	856.56		4,614.63	18,480.10					
25											986.09	910.96	226.87		4,857.45	19,452.69					
26											938.55	654.50	506.09		5,100.28	20,425.27					

Info Chart

**COLLABORA OFFICE - SECURITY WARNING** ✕

hycycloid-demo.xls

The document contains document macros. Macros may contain viruses.

Disabling macros for a document is always safe. If you disable macros you may lose functionality provided by the document macros.

Help Disable Macros Enable Macros

## Spreadsheet: Improvements

Native and sleek new formula bar and friends → Special thanks to Szymon Kłós; Macros: not just an option



CPU

time reduced

## Grammar & Style Check

Writing grammatically correct and stylistically more convenient. LanguageTool, known to be a grammar checker extension, is now also available:

## Using LanguageTool in Collage

Many users of LanguageTool's browser add-on...  
 Possible agreement error. The noun 'user' seems to be countable; consider using: "Many users".  
 Many users  
 Ignore  
 Ignore All  
 Check Spelling  
 Set Language for Selection  
 Set Language for Paragraph  
 made to activate LanguageTool. For more information, consult the [technical documentation](#) or...  
 y, a paid premium account with LanguageTool provides more detailed grammar results and a larger selection of alternative suggestions.

Heading 3 Insert Table Find and Replace

webp



An example WebP image

filename: .webp  
 media type: image/webp  
 initial release: September 2010  
 open format? Yes

[BSD free software license.](#)

ZSTD

switching to faster

75%

bandwidth saving

Performance improvements, LanguageTool, WebP format, Jumbo sheets, etc

Bits and pieces → collage many other improvements missing but let's make it all in one slide



COOLWeekly90.odt

File Home Insert Layout References Review Format Form View Help

Noto Serif 12 A↑ A↓

Default Paragraph Style Text Body

Heading 4 Title Heading 3 Heading 2 Heading 1

Subtitle Quotations Prefo

- Pedro been encouraging people to come and getting estimates fo attendees

### COOL dev day - 5<sup>th</sup>

- Very short talks: 10 → 15 mins or so ... lightning ...
- **On-line option for remote but in-person preferred**
- User Mentions & Notifications – [@Rashesh](#)
- Tips on debugging COOL → @A
- COOL and 1&1 → [@Gabriel](#)
- Faster zstd tiles thanks to Facel
- Streaming document deltas → !
- Getting involved & Overview o ity → Pedro
- Design, UX thingy still need to f
- JSDialog conversion → Szymon
- Nextcloud Office → Raul / Julius
- Interop improvements → Gulsah

- Abigail
- Alexandra
- Alison
- Amanda
- Andras
- Andreas

[Rashesh profile link](#)

[@Rashesh](#)



## Mentions → new addition

Collabora Online & Nextcloud: Thanks Rashesh, Raul, Julius, Jan, Szymon etc

File Home Insert Layout References Review Format Form View Help form-controls.odt

Rich Text Checkbox Dropdown Picture Date Properties

# Collabora

Available Products

## NGI DAPSI ❤️ Collabora Online

**Project Name:** Choose an item

**Category:** Technology & Colla

**Next:** Click here to enter text

Team: Miklos, Rashesh

Choose an item

- Content controls in Writer
- Interoperability improvements to LibreOffice
- Clearing breaks in Writer

### Collabora Office

Collabora Office is the enterprise-ready office suite. It comes with installation and administration utilities, long term maintenance and contracted support to deliver successful deployments and migrations.

Pedro Mon, 27 Sept 2021  
Good to place a nice header image itable text so it doesn't depend on th tion

Pedro Mon, 27 Sept 2021  
Easier to navigate between them an to use them to navigate the docume

Pedro Mon, 27 Sept 2021  
Using columns

**Form controls → new addition & improved compatibility with DOCX**

AKA content controls thanks to NGI DAPSI that make this possible. Thanks Miklos (core) & Rashesh (online)

File Home Insert Layout References Review Format Form View Help

infosheet-A4-all-products.odt

Save Save As Share Print Download Repair Properties

# Collabora

Available Products

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Collabora Office

Collabora Office is the enterprise-ready office suite. It comes with installation and administration utilities, long term maintenance and contracted support, to deliver successful deployments and migrations.

**REPAIR DOCUMENT**

Type	What?	Who?	When?
Undo	Number On/Off	You	2022-09-26T15:40:29,4481470;
Undo	Delete Paragraphs	You	2022-09-26T15:40:28,9523484t
Undo	Typing: "."	You	2022-09-26T15:40:24,5877688-
Undo	Typing: "regards"	You	2022-09-26T15:40:23,1328511t

Cancel Ok



## Repair document → Improvements

Dialog improvements. Now native (JS) as part of a bigger effort in converting legacy dialogs. Thanks Skyler & Szymon!



# Make it yours → [sdk.collaboraonline.com](https://sdk.collaboraonline.com)

## Test/hack new features

- Customize coolwsd.xml
  - Enable features: Macros, integrations, experimental features, etc.
  - Choose how to handle missing fonts
  - Choose the default UI mode (tabbed or compact)
  - Set `allowed_languages`
- Some parts can also be controlled by the integrator via hidden input field:
  - `<input name="ui_defaults" value="VALUES" type="hidden"/>`
  - `<input name="css_variables" value="--co-color-main-text=#000;--co-body-bg=#FFF;--co-txt-accent=#2e1a47;" type="hidden"/>`
- Hack it directly in the URL to test or debug and help out (<https://hosted.weblate.org/projects/collabora-online/ui/>  
<https://github.com/CollaboraOnline/online/>)
  - `css-var`: [http://localhost:9980/browser/debug.html?file\\_path=/cool/test/data/hello-world.odt&lang=ar](http://localhost:9980/browser/debug.html?file_path=/cool/test/data/hello-world.odt&lang=ar) or `&en-uk` etc
  - Language  
[http://localhost:9980/browser/debug.html?file\\_path=/cool/test/data/hello-world.odt&css\\_variables=--co-primary-element%3Dred;--co-body-bg%3D%23FDFDFD](http://localhost:9980/browser/debug.html?file_path=/cool/test/data/hello-world.odt&css_variables=--co-primary-element%3Dred;--co-body-bg%3D%23FDFDFD)
- Insert new custom button (Insert\_Button) etc via [https://sdk.collaboraonline.com/docs/postmessage\\_api.html](https://sdk.collaboraonline.com/docs/postmessage_api.html)



# Have fun with Collabora & Friends

## Test/hack new features

- Keep in touch, build it!: <https://col.la/io>
- Report bugs: <https://github.com/CollaboraOnline/online/issues>
- Push a PR to CO and learn about LibreOffice Technology
- See your code improving LO in the process





The screenshot shows a software interface with a 'References' menu open. The menu items include: Table of Contents and Index, Index Entry..., Update Index, Footnote, Endnote, Footnotes and Endnotes..., Bookmark..., Cross-reference..., Add Citation, Add Citation Note, Add Bibliography, Refresh Citations, and Unlink Citations. The 'Citations Preferences' option is highlighted. In the background, a 'Collabora' window is visible, showing a 'My Library' panel with a search bar and a list of publications.

## Citations: new/revamped features

Easy to plug in your existing online libraries e.g. Zotero

The 'My Library' window displays a list of publications with columns for document icon, title, authors, and date. The list includes:

Document Icon	Title	Authors	Date
	Improved methods for building protein models in electron density maps and the location of errors in these models	T. A. Jones, J.-Y. Zou, S. W. Cowan, M. Kjeldgaard	1991-03-01
	PROCHECK: a program to check the stereochemical quality of protein structures	R. A. Laskowski, M. W. MacArthur, D. S. Moss, J. M. Thornton	1993-04-01
	PROTEIN MEASUREMENT WITH THE FOLIN PHENOL REAGENT	OliverH Lowry, Niraj Rosebrough, A. Lewis Farr, RoseJ Randall	1951/11/01
	github_n_co.odt - Files - Nextcloud		
	Chronic disease patients' experiences with accessing health care in rural and remote areas: a systematic review and qualitative meta-synthesis	F. Brundisini, M. Giacomini, D. DeJean, M. Vanstone, S. Winsor, A. Smith	2013
	Handbook of Climate Change Management		
	Moving from Urban Sociology to the Sociology of the City	Cary Wu	2016-03-01
	Psychology	Henry Gleitman, James J. Gross, Daniel Reisberg	1/5/2020

Buttons for 'Refresh', 'Search', 'Cancel', and 'OK' are also visible.



The screenshot shows a Microsoft Word document titled "Stress & Anxiety.docx". The document content includes a main heading "Discussion Topic: Stress & Anxiety", a sub-heading "Chill Your Beans, Bro", a table with missing font names (Baskerville, Lato Semibold, Raleway), a table of English to Czech translations for stress-related terms, and a section titled "Questions 1" with three numbered questions.

**Missing Fonts**

Baskerville, Lato Semibold, Raleway

Close

English	Czech
Anxious	Úzkostlivý
Burned out	Vyhořelý
To cope with	Zvládnout
Draining	Vyčerpávající
Perspective	Pohled

**Questions 1**

1. What do you find stressful?
2. What are your main causes of stress at both work and home?
3. Have you tried anything to reduce this stress?



## Missing fonts detection and easy remote font management without restart

new fonts\_missing.handling and remote\_font\_config.url (Every min checks for a JSON file with that url.





The screenshot displays the LibreOffice Writer application window. The title bar shows the file name 'Collabora Online.odt'. The 'File' menu is open, highlighting 'Export As' with a sub-menu containing 'PDF Document (.pdf)' and 'EPUB (.epub)'. The 'PDF OPTIONS' dialog box is open, showing the 'General' tab. The 'Range' section has 'All' selected. The 'Images' section has 'JPEG' selected with a quality of 90% and 'Reduce image resolution to: 300 DPI' checked. The 'Watermark' section has 'Sign with watermark' unchecked. The 'General' section has 'Hybrid PDF (embed ODF file)' and 'Archive (PDF/A, ISO 19005)' unchecked, 'PDF/A version' set to 'PDF/A-3b', 'Universal Accessibility (PDF/UA)' unchecked, 'Tagged PDF (add document structure)' unchecked, 'Create PDF form' checked, and 'Submit format' set to 'PDF'. The 'Structure' section has 'Export outlines' checked, 'Export placeholders' unchecked, 'Comments as PDF annotations' unchecked, 'Export automatically inserted blank pages' unchecked, and 'Use reference XObjects' unchecked. The 'Export' button is highlighted in blue. The background document shows a purple header with the 'Collabora' logo and the text 'Collabora Online'. Below the header, there is a paragraph: 'Collabora Online 21.11: the enterprise-ready LibreOffice-based Online Office Suite that allows you to stay in full control of all your office files.' Another paragraph follows: '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 brought LibreOffice-technology to the Cloud'. A third paragraph starts: '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 collaborative editing features.' The status bar at the bottom shows 'Page 1 of 2', '357 words, 2,452 characters', 'Insert', 'Standard selection', 'English (USA)', and 'Edit'.

**PDF and EPUB options before exporting; Mentions (with Nextcloud);  
Play embedded videos (NLnet Foundation); Better widgets (Thanks Szymon)  
More UI and UX improvements etc**



**FOSDEM**



**Collabora  
Online**

**Thank you**

**@CollaboraOffice**

**hello@collaboraoffice.com**

**www.collaboraoffice.com**

Join the team: [col.la/join](https://col.la/join)



**Pedro Silva**

**UX & Community**

**pedro.silva@collabora.com**

**pintosilva.com**