

Collabora Online over lock-down

How LibreOffice technology in the browser improved

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Collabora
Online



FOSDEM

*“Stand at the crossroads and look; ask
for the ancient paths, ask where the
good way is, and walk in it, and you
will find rest for your souls...” -
Jeremiah 6:16*



Lockdown changes



Changes during lock-down

October 2020

- Significant changes, COOL.
- Unwound catch-22 of encouraging people to pay.

Now public unlimited Online binaries

Now public SDK, docker img build instructions etc.

- <https://sdk.collaboraonline.com/>

Inspired LibreOffice Technology umbrella brand:

- “*LibreOffice Technology, a FOSS platform for personal productivity*”

This is an unsupported version of LibreOffice Online. To avoid the impression that it is suitable for deployment in enterprises, this message appears when more than 10 documents (or 2) have been in use concurrently

Removed

MORE INFORMATION AND SUPPORT



LibreOffice Technology



Collabora
Productivity



LibreOffice Technology



Crediting LibreOffice Technology

- Help → About
- Nextcloud Office
- **CSP work for TDF ...**



Nextcloud Office



COOLWSD version:
22.05.6.3 (git hash: [abd9205](#))



LOKit version:
Collabora Office 22.05.6.3 (git hash: [4fad249](#))
Served by: Ubuntu 18.04.6 LTS [42645f11](#)

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Collabora



COOLWSD version:
22.05.0.1 (git hash: [b1f3c4b](#))



LOKit version:
built on [a great technology](#)
Collabora Office 22.05.4.1 (git hash: [4fad249](#))
Served by: openSUSE Leap 15.4
JSDialogs: [View widgets](#)

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Community Credits:

Collabora Online & LibreOffice Technology

Collabora Online is built on the amazing LibreOffice Technology stack,

and many of our community are active contributors to LibreOffice - having created the LibreOfficeKit APIs to enable people to easily re-use the core document editing and rendering technology. Please do read more about LibreOffice Technology



LibreOffice Technology

[LibreOffice Technology](#)

you can also get a list of credits and contributors to LibreOffice here:

[LibreOffice Developers](#)

The people behind the scenes

LibreOffice is created by a very large group of amazing contributors:



LibreOffice Technology

Localization: Contributors

Many thanks to all those who have worked on translating Collabora Online, you rock!

[See all the contributors](#)

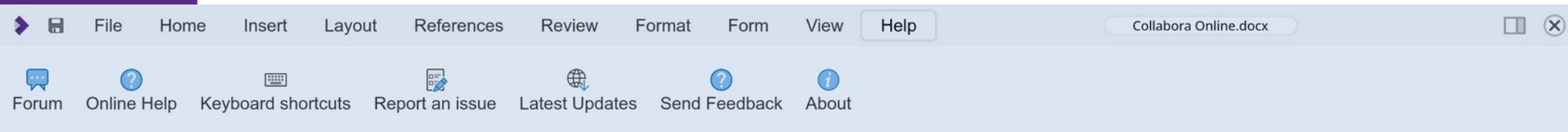
Many thanks to all those who have worked on translating LibreOffice!



[See all the contributors](#)



More branded welcoming planned

Volunteer hackers to accelerate it appreciated.




Explore The New 22.05.7.0

Collabora Online Development Edition

Enjoy the latest developments in online productivity, free for you to use, to explore and to use with others in the browser. Various [apps](#) are also available for mobile.



LibreOffice Technology bits



A few examples of Improving the awesome LibreOffice Technology



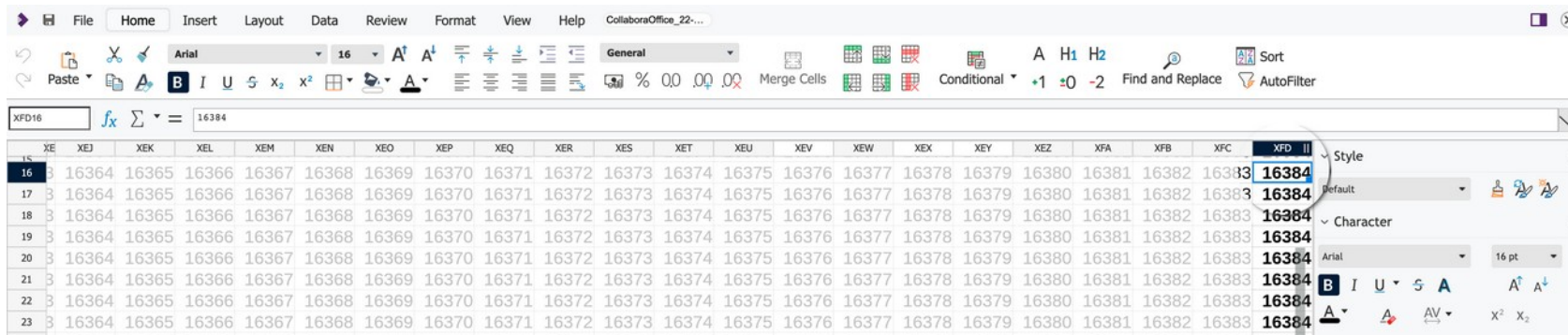
LibreOffice Technology



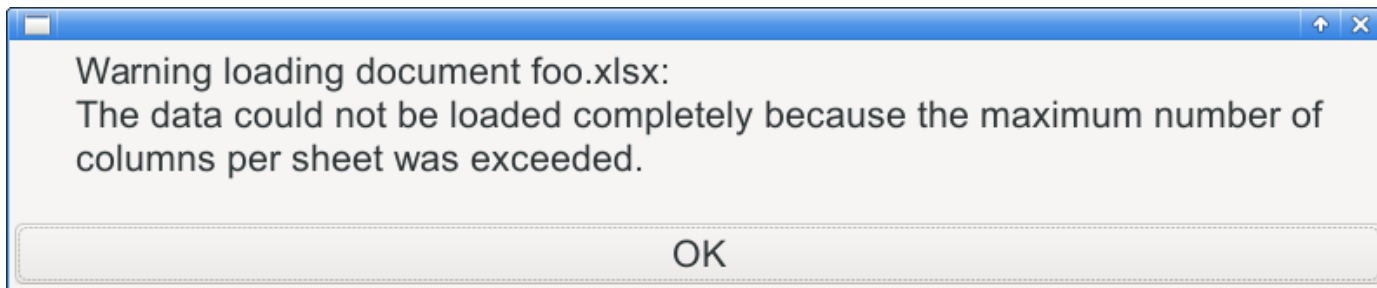
Jumbo Spreadsheets



We now support up to 16384 columns in spreadsheets



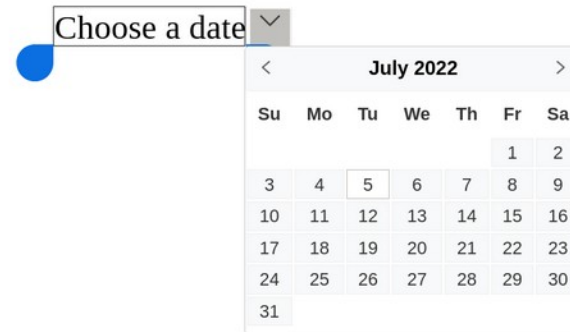
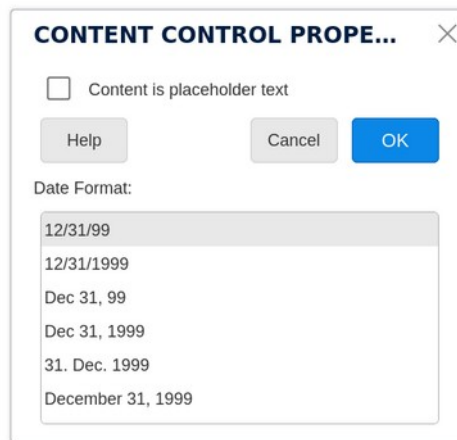
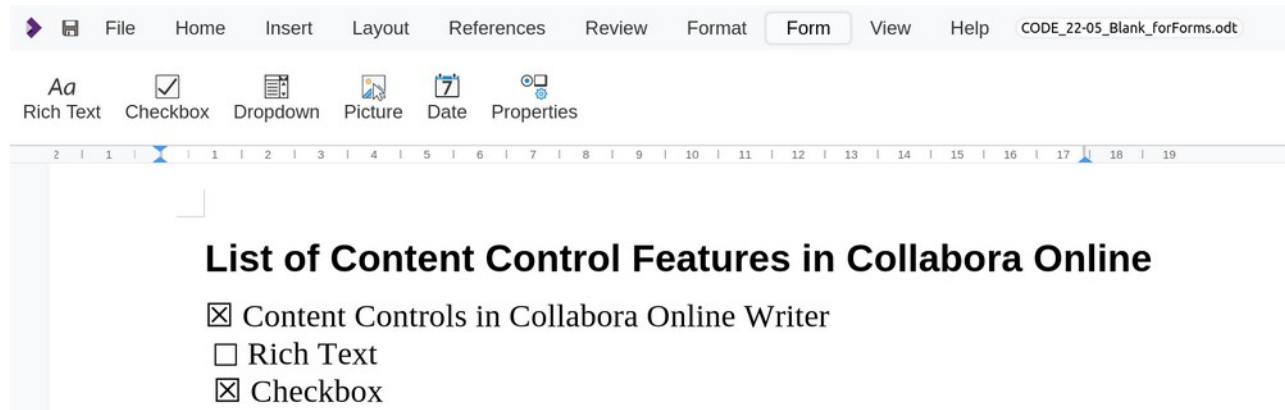
Possibly the most annoying error dialog in the world now gone:





Content Controls in Writer: Forms ...

- Rich Text
- Checkbox
- Dropdown
- Picture
- Date





PDF form creation ...

·Class beating PDF form export:

·Improved form / a11y support

screenshot.pdf - Adobe Acrobat Reader DC (64-bit)

File Edit View Sign Window Help

Home Tools screenshot.pdf x



Your name:

I like filling forms

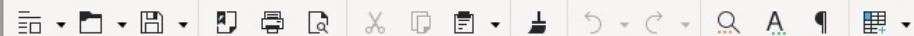
Favorite color:

Date:



screenshot.docx - Collabora OfficeDev Writer 22.05 [fe5609e107b9b661692c96dcd31da393c1079]

File Edit View Insert Format Styles Table Form Tools Window Help



Default Paragraph Sty Liberation Serif 12 pt B I U

Your name:

I like filling forms

Favorite color:

Date:



LibreOffice Technology



Collabora
Online

Merged for
LibreOffice 7.5



Impress color theme

·A key interoperability win

Area

Area Shadow Transparency

None Color Gradient Image Pattern Hatch

Colors

Palette: Theme colors

Active

R 68
G 114
B 196
Hex 4472c4

New

R 68
G 114
B 196
Hex 4472c4

Pick

Reset

Some text

Some text, 60% lighter

Some text, 25% darker

shape fill

shape fill, 60% lighter

shape fill, 25% darker

group

group

Some text

Some text, 60% lighter

Some text, 25% darker

shape fill

shape fill, 60% lighter

shape fill, 25% darker

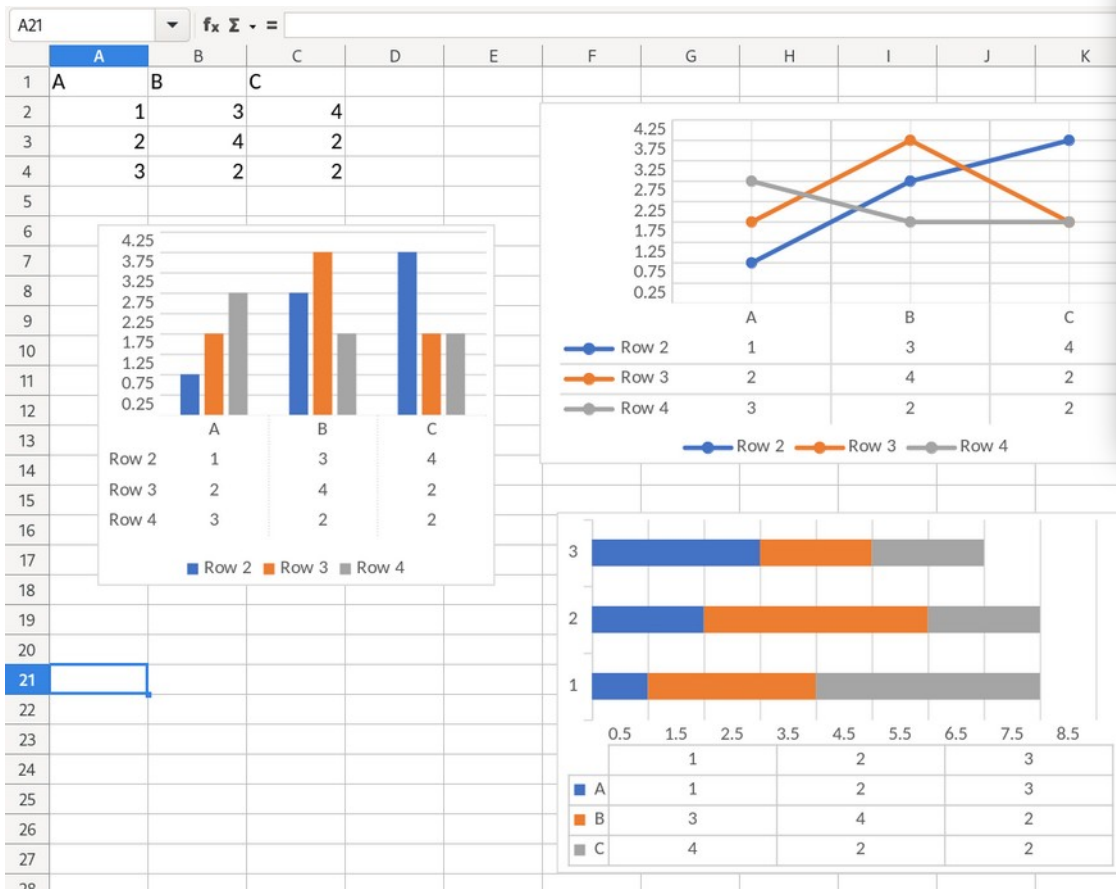
group

group





Chart - data tables ...



Data Table [X]

Show Data Table

Data Table Properties

- Show Horizontal Border
- Show Vertical Border
- Show Outline
- Show Keys

Help Cancel OK

Merged for
LibreOffice 7.5



LibreOffice Technology



Collabora
Online

This feature was made possible by funding from NGI and the European Union's Horizon 2020 research and innovation programme under grant agreement No 871498.





DeepL built-in translation ...

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

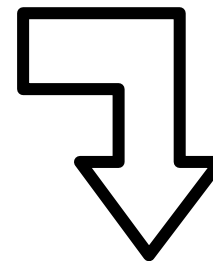
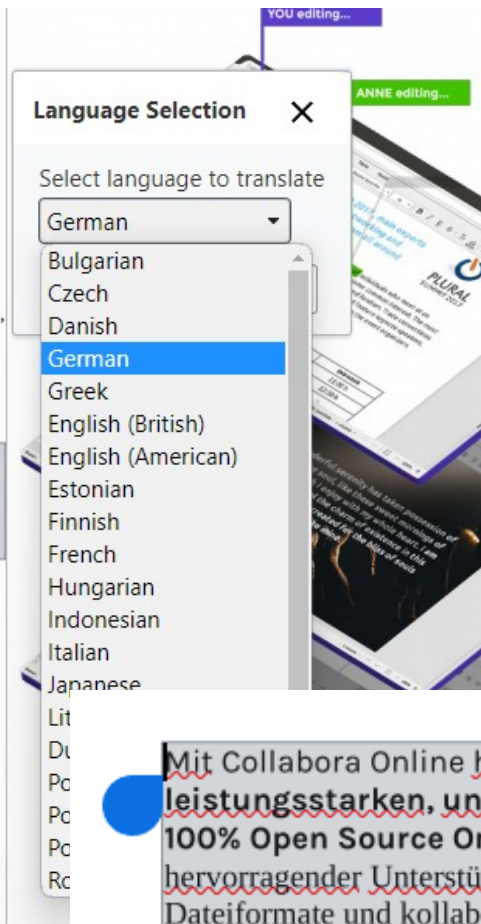
LibreOffice is the world's most popular Open Source Office suite with over 120 million users. Collabora, a leading contributor to the project, and developer of the enterprise-ready, Term Supported edition of LibreOffice, Collabora Office, has now brought LibreOffice to the Cloud with Collabora Online. Apple are great

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.

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.

Collabora Online comes with **Long Term Support**, and can be integrated in any web-based solution, such as File Share and Sync solutions, Document Management Systems, Groupware or custom build software.

All Long Term Support releases are supported for 3 years, with



Mit Collabora Online haben Sie jetzt Zugang zu einem **leistungsstarken, unternehmenstauglichen und 100% Open Source Online Office Suite** mit hervorragender Unterstützung für alle gängigen Office-Dateiformate und kollaborative Bearbeitungsfunktionen.



LibreOffice Technology



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Online



PDF form creation ...

Class beating PDF form creation

Improved form / a11y support

screenshot.pdf - Adobe Acrobat Reader DC (64-bit)

File Edit View Sign Window Help

Home Tools screenshot.pdf x

Your name:

I like filling forms

Favorite color:

Date:

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

Today: 9/22/2022

screenshot.docx - Collabora OfficeDev Writer 22.05 [fe5609e107bfd9b661692c96dcd31da393c1079]

File Edit View Insert Format Styles Table Form Tools Window Help

Default Paragraph Sty Liberation Serif 12 pt B I U S A A I T

Your name:

I like filling forms

Favorite color:

Date:



Collabora Online example wins



By LanguageTooler



Thanks to Adfinis for accelerating this work !

Daniel Naber's company:

- Focused on B2C & the web browser:
- LanguageTooler GmbH
 - Potsdam.
- Taking on Grammarly
- More info [here](#)

The screenshot shows the LanguageTool web interface. At the top, there are navigation buttons: 'Insert Text', 'Check Word Document' (with a 'NEW' badge), 'Save', 'Copy', 'Delete', and a language dropdown set to 'English'. The main text area contains a paragraph with several errors highlighted: 'too have' (underlined in blue), 'seplling' (underlined in red), 'error's' (highlighted in yellow), 'Its' (underlined in blue), and 'Monday,' (underlined in blue). A pop-up box is open over the word 'errors', displaying the message: 'Extraneous apostrophe. Did you mean the plural noun "errors" instead of the possessive?' with a blue button labeled 'errors' and a link to 'Ignore in this text'. At the bottom of the interface, a status bar shows '9+ writing issues found' and '623 characters, 104 words'.

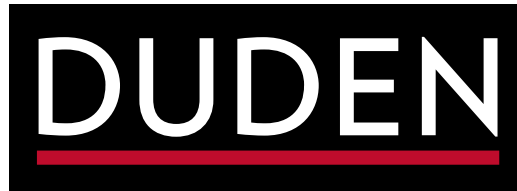




DUDEN corrector integration

Extending existing LanguageTooler work

- LanguageTool → the best open source solution.
- Will require a DUDEN Web Service
 - on -premise.
 - <https://www.duden.de/api> etc.
- Initially just basic checking.



LibreOffice Technology



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Productivity



Precisely anchor & reflow your boat (and other) images

is no standard definition, so the term applies here to sailing vessels that have a cabin with amenities that accommodate overnight use. To be termed a "yacht", as opposed to a "boat", such a vessel is likely to be at least 33 feet (10 m) in length and have been judged to have good aesthetic qualities.[4] Sailboats that do not accommodate overnight use or are smaller than 30 feet (9.1 m) are not universally called yachts. Sailing yachts in excess of 130 feet (40 m) are generally considered to be pleasure yachts. [5]

Sailing yachts are actively used in sport and are among categories recognized by the governing body of sailing sports, World Sailing. [6]

Etymology

Sailing yachts are actively used in sport and are among categories recognized by the governing body of sailing sports, World Sailing. [6]

The term, *yacht*, originates from the Dutch word *jacht* (pl. *jachten*, which means "hunt"), and originally referred to light, pleasure boats begins with rowed craft in Pharaonic Egyptian times. The history of sailing yachts begins in Europe in the beginning of the 17th century with the son of James I of England. Pleasure vessels acquired the name *yacht* who spent time exiled in Europe and a variety of *jachten* were already well developed as pleasure yachts for the elite classes since the beginning of the 17th century. This restoration to the English crown, a series of royal yachts, which included at Charles II's vessels occurred in 1661, followed by the first open sailing competition in 1663 in English waters. [8]

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Area

Image

Brightness: 0%

Contrast: 0%

Color mode: Default

Transparency: 0%

Wrap

Enable Contour

Spacing: Custom

Position and Size

Width: 2.86"

Height: 3.57"

Keep ratio

Rotation: 0.00°

Elip: [icon]

Arrange: [icons]

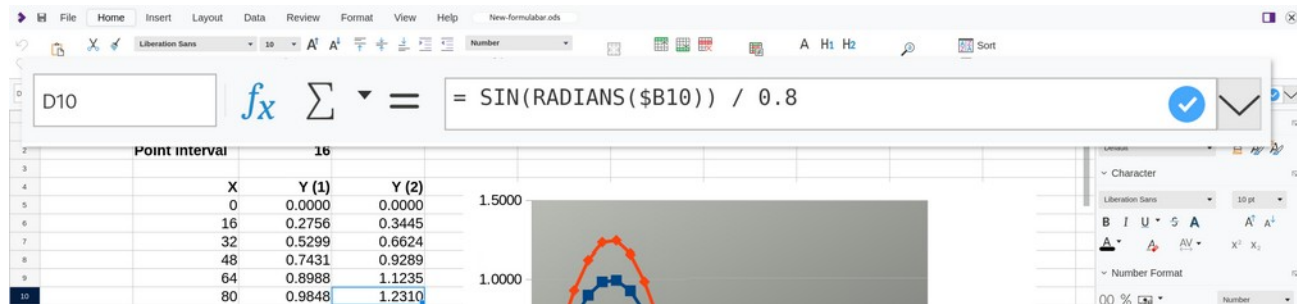
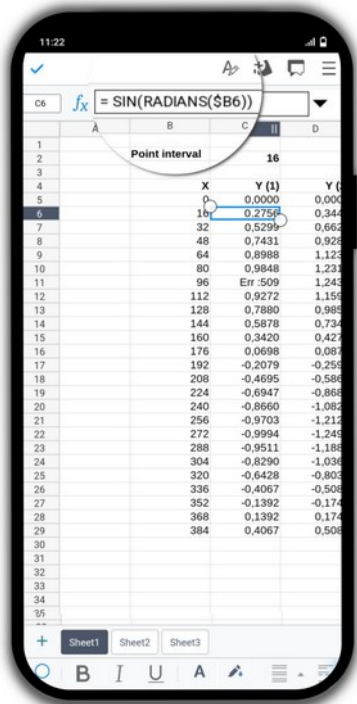
Page 1 of 3 | 1,050 words, 5,617 characters | Insert | Standard selection

150%





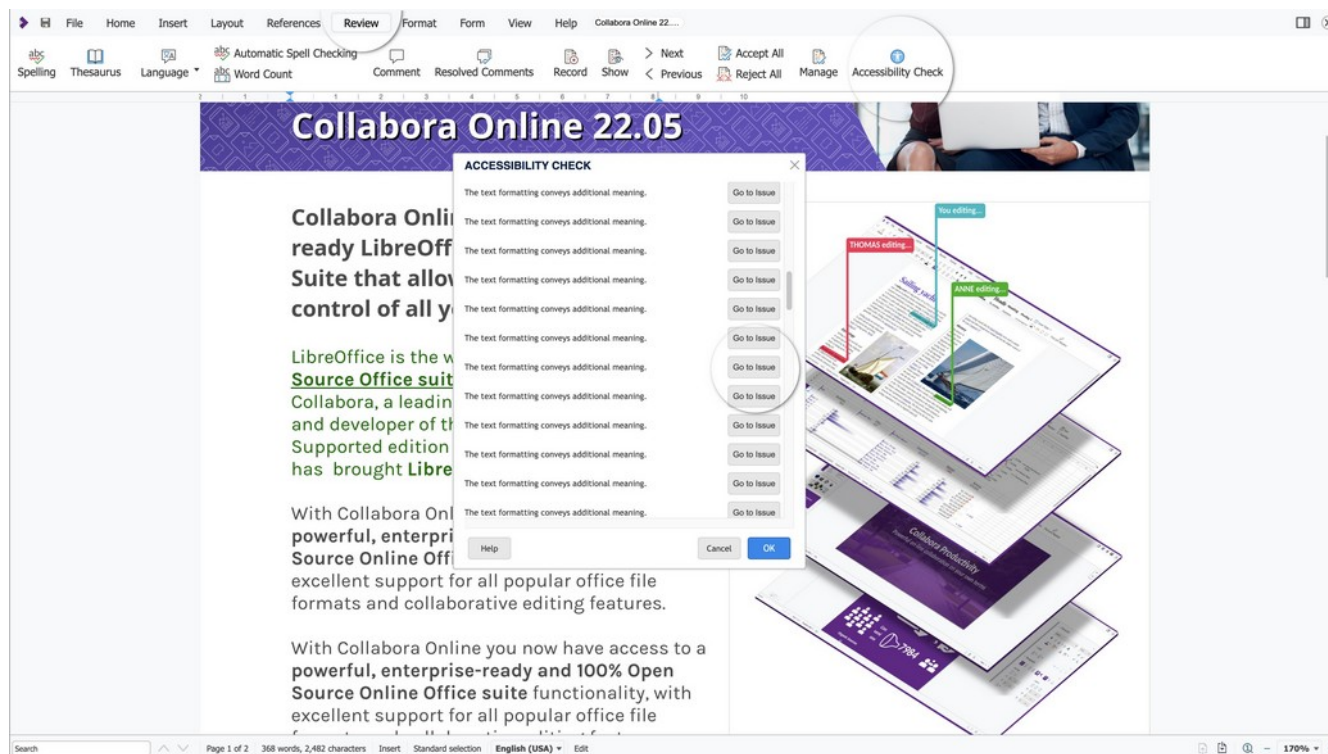
New HTML Formula Input Bar





Accessibility Check

Accessibility Check Helps to create documents according to the PDF/UA Standard





Richer dialog functionality left & right

·eg. SparkLine properties

·or File Properties

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

Help Close OK

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



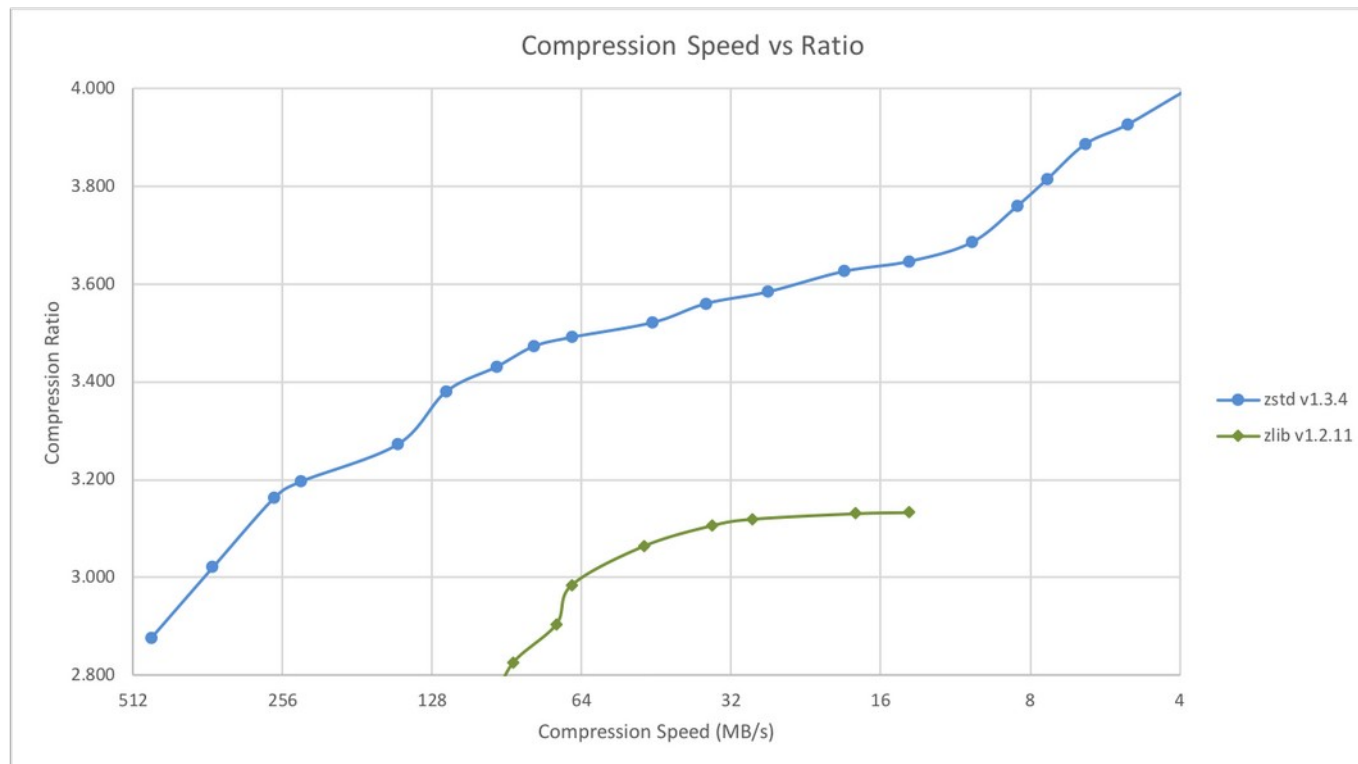
LibreOffice Technology



Faster (zstd) tile compression + δ 's

Thanks to Facebook for a better zlib.

~5x lower CPU load for tile compression.





Online / embedded Video playback

Built on browser codec support:

The screenshot shows the LibreOffice Draw application interface. The menu bar includes File, Home, Insert, Layout, Review, Format, Draw, View, and Help. The toolbar contains various drawing tools such as Position and Size, Flip Vertically, Flip Horizontally, Group, and Text Box. The main workspace displays an embedded video player with a scene from a movie. The video player has a 'prime video' logo in the bottom left corner. The text 'Embedded Video' is visible above the video player.



LibreOffice Technology



Collabora
Productivity

Come hack with us !



The cool kids use LibreOffice technology

LibreOffice Hack-fest

- This Monday & Tuesday:
- Community Dinner tonight!



COOL Days 2023 +

LibreOffice technology Hack-fest:

- March 28th & 29th
- Claire College

Cambridge / UK.



<https://www.collaboraoffice.com/cool-days-2023/>

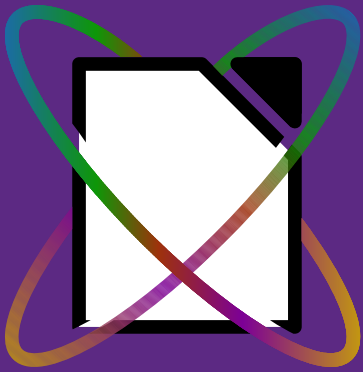
<https://wiki.documentfoundation.org/Events/2023/FOSDEM>



LibreOffice Technology

Make Open Source ROCK

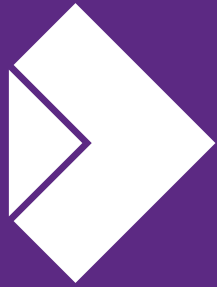




LibreOffice Technology



FOSDEM



Collabora
Online

Oh, that my words were recorded, that they were written on a scroll, that they were inscribed with an iron tool on lead, or engraved in rock for ever! I know that my Redeemer lives, and that in the end he will stand upon the earth. And though this body has been destroyed yet in my flesh I will see God, I myself will see him, with my own eyes - I and not another. How my heart yearns within me. - Job 19: 23-27

Thank you!

By Michael Meeks



@CollaboraOffice
hello@collaboraoffice.com
www.collaboraoffice.com

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