

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*”





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 15.5
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

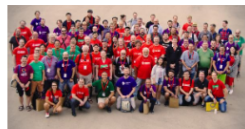
[LibreOffice Technology](#)

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:



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](#)



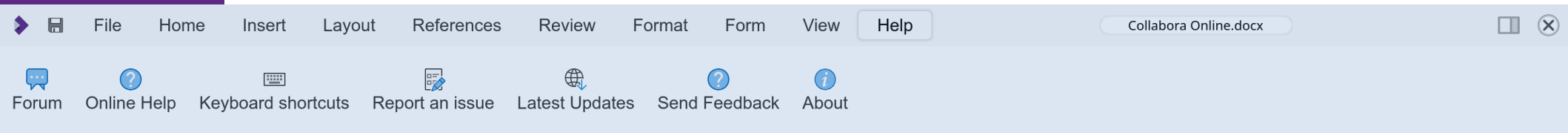
LibreOffice Technology





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

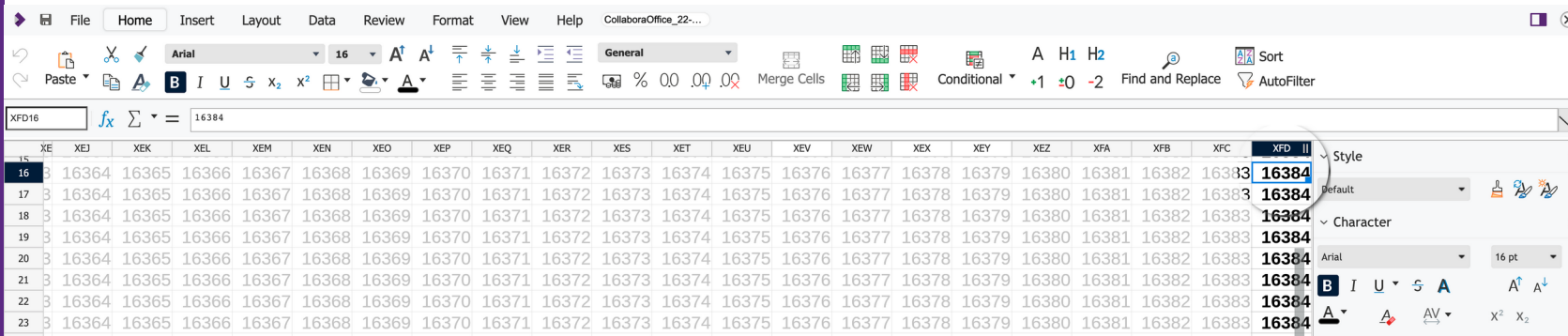




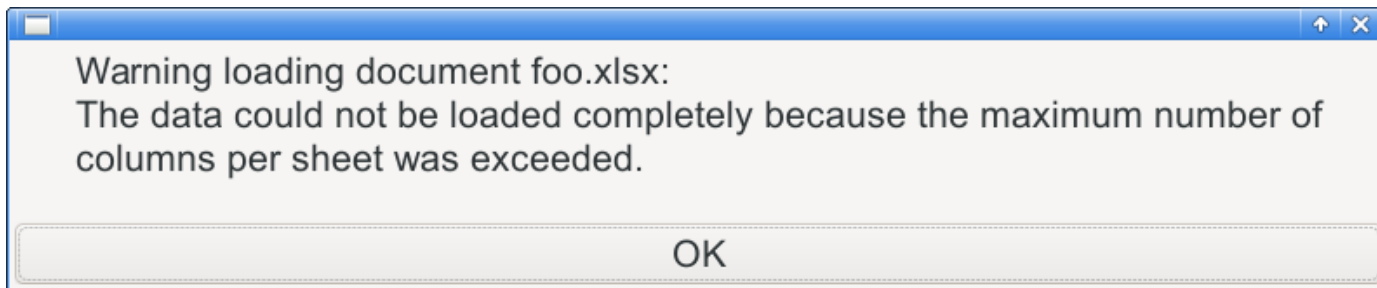
Jumbo Spreadsheets



We now support up to 16384 columns in spreadsheets



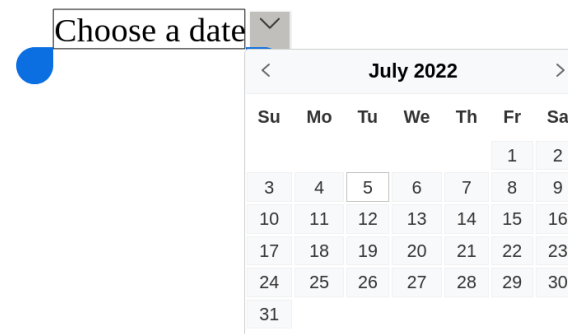
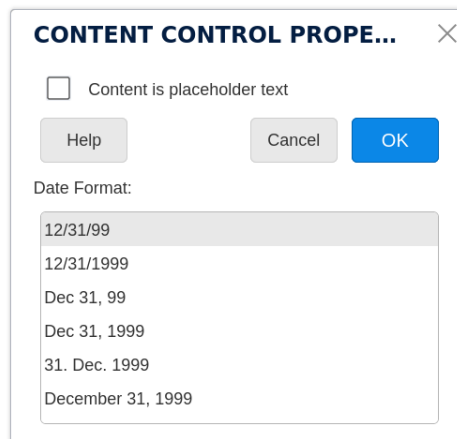
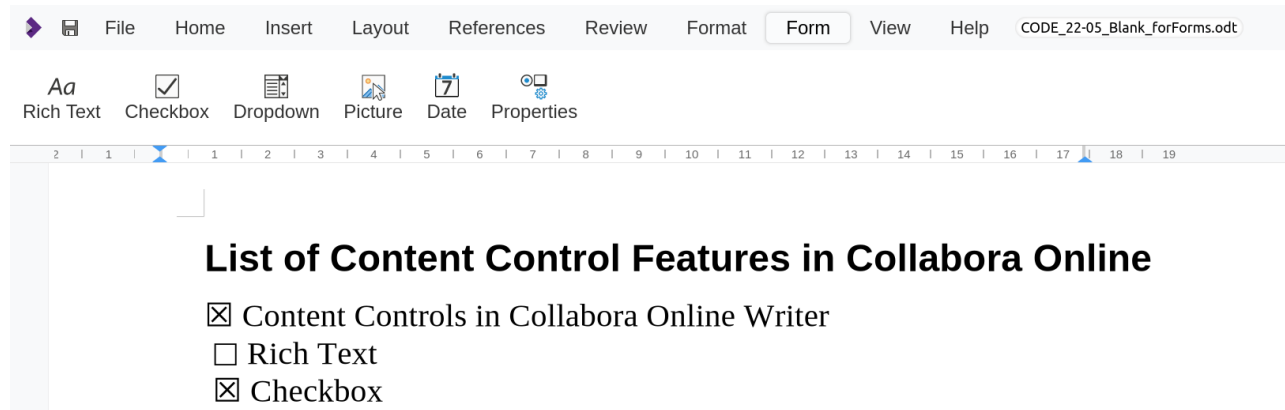
Possibly the most annoying error dialog in the world now gone:





Content Controls in Writer: Forms ...

- Rich Text
- Checkbox
- Dropdown
- Picture
- Date



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.





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

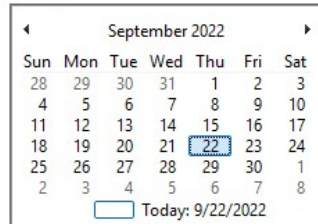


Your name:

I like filling forms

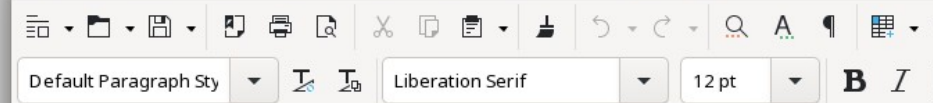
Favorite color:

Date:



screenshot.docx - Collabora OfficeDev Writer 22.05 [fe5609e107b9b661692c96dcd31da393c1079]

File Edit View Insert Format Styles Table Form Tools Window Help



Your name:

I like filling forms

Favorite color:

Date:



LibreOffice Technology



Merged for
LibreOffice 7.5



Impress color theme

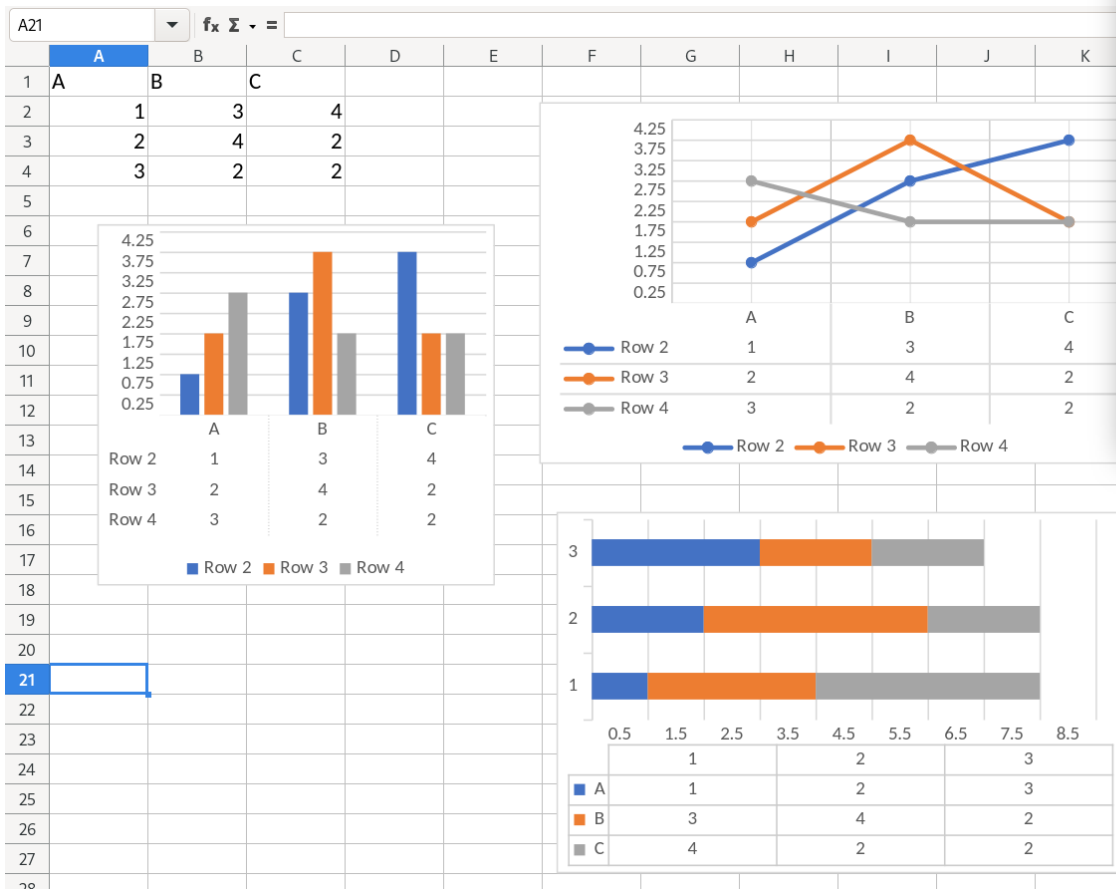
·A key interoperability win

The screenshot displays the 'Area' dialog box in LibreOffice Impress, specifically the 'Color' tab. The 'Palette' dropdown is set to 'Theme colors' and is highlighted with a red box. Below it is a grid of color swatches. The 'Active' color is blue, with RGB values of 68, 114, and 196, and a hex code of 4472c4. The 'New' color is also blue. Two inset images show how this color is applied to text and shapes, with options for 'Some text', 'Some text, 60% lighter', and 'Some text, 25% darker', and 'shape fill', 'shape fill, 60% lighter', and 'shape fill, 25% darker'.





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



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.

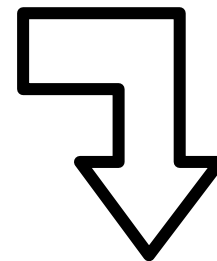
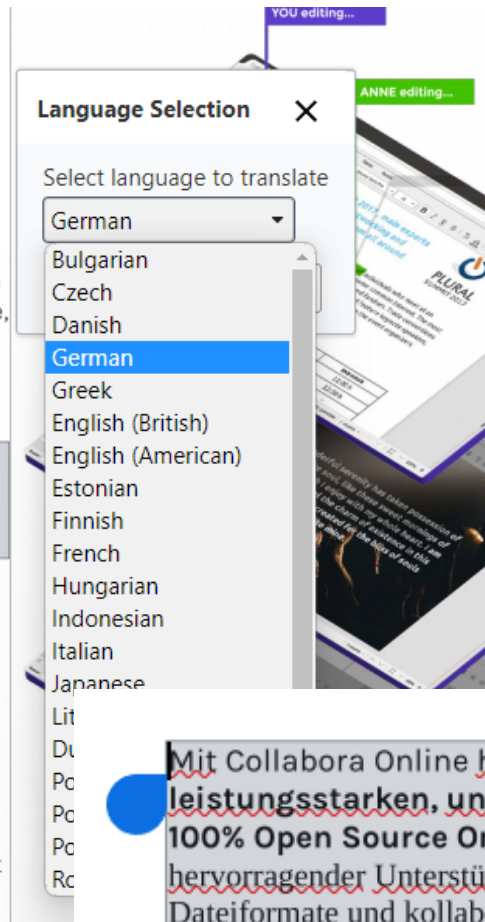
LibreOffice is the world's most popular Open Source Office suite with over 120 million users. Collabora, a leading contributor to the project, and developer of the enterprise-ready, Term Supported edition of LibreOffice, Collabora Office, has now brought LibreOffice to the Cloud with Collabora Online.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



Collabora
Online

PDF form creation ...

Class beating PDF form creation

Improved form / a11y support

The image shows a side-by-side comparison of two software interfaces for creating PDF forms. On the left is Adobe Acrobat Reader DC (64-bit) displaying a PDF form titled 'screenshot.pdf'. The form contains the following text and fields: 'Your name: [text box]', ' I like filling forms', 'Favorite color: [dropdown menu]', and 'Date: [calendar]'. The calendar shows September 2022 with the 22nd selected. Below the calendar, it says 'Today: 9/22/2022'. On the right is Collabora OfficeDev Writer 22.05 displaying a document titled 'screenshot.docx'. The document content is: 'Your name: [Click here to enter text](#)', ' I like filling forms', 'Favorite color: [Choose an item](#)', and 'Date: [Choose a date](#)'. The interface includes a menu bar (File, Edit, View, Insert, Format, Styles, Table, Form, Tools, Window, Help) and a toolbar with various editing and form-related tools.



LibreOffice Technology

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](#)

[Insert Text](#) Check Word Document **NEW** [Save](#) [Copy](#) [Delete](#) [English](#)

LanguageTool is your intelligent writing assistant for all common browsers and word processors. Write or paste your text here too have it checked continuously. Errors will be underlined in different colours: we will mark seplling errors with red underilnes. Furthermore grammar error's are highlighted in yellow. LanguageTool also marks style issues in a reliable manner by underlining them in blue. You can correct errors by double clicking a word? Its a impressively versatile tool, e.g. if youd like to tell me what happened at 5 PM in the afternoon on Monday, 27 May 2007.

Extraneous apostrophe

Did you mean the plural noun "errors" instead of the possessive?

[errors](#)

Ignore in this text

9+ writing issues found

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.





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 [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 known 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 vessels occurred in 1661, followed by the first open sailing competition in 1663 in English waters. [8]

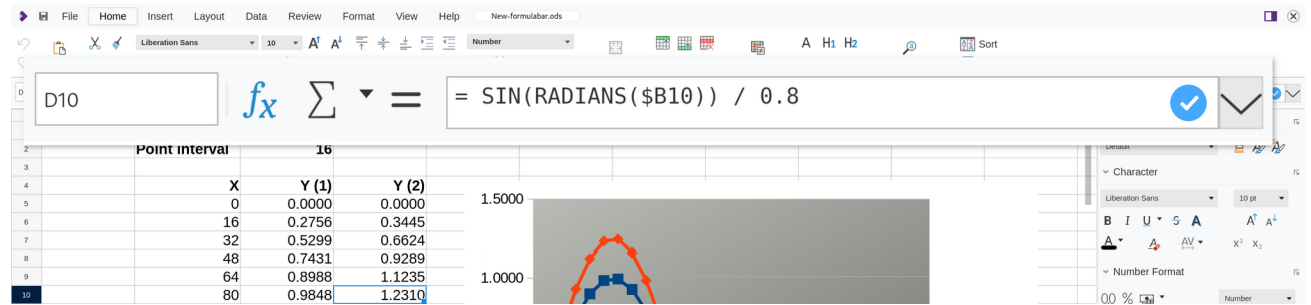
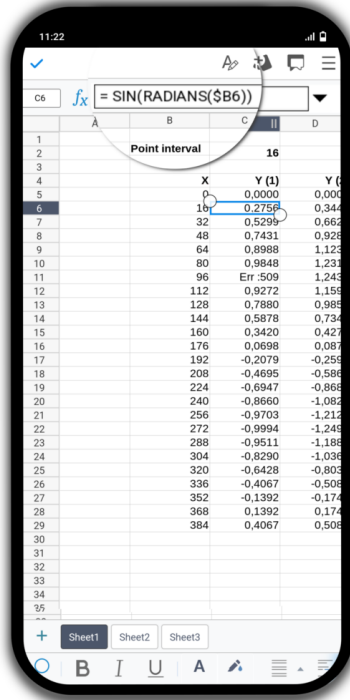
Context menu options: Cut, Copy, Paste, Delete, Anchor (selected), Wrap, Arrange, Rotate or Flip. Sub-menu options: To Paragraph, To Character (checked), As Character.

Right sidebar: 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]).





New HTML Formula Input Bar





Accessibility Check

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

The screenshot displays the LibreOffice application window with the 'Review' tab selected. The 'Accessibility Check' dialog box is open, showing a list of 12 issues, each with a 'Go to Issue' button. The background document is a promotional page for Collabora Online 22.05, featuring a stack of overlapping document thumbnails with editing annotations like 'THOMAS editing...' and 'ANNE editing...'.





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

Buttons: 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
 Save preview image with this document
 Image preferred DPI

Buttons: Help, Reset, Cancel, OK, Reset Properties

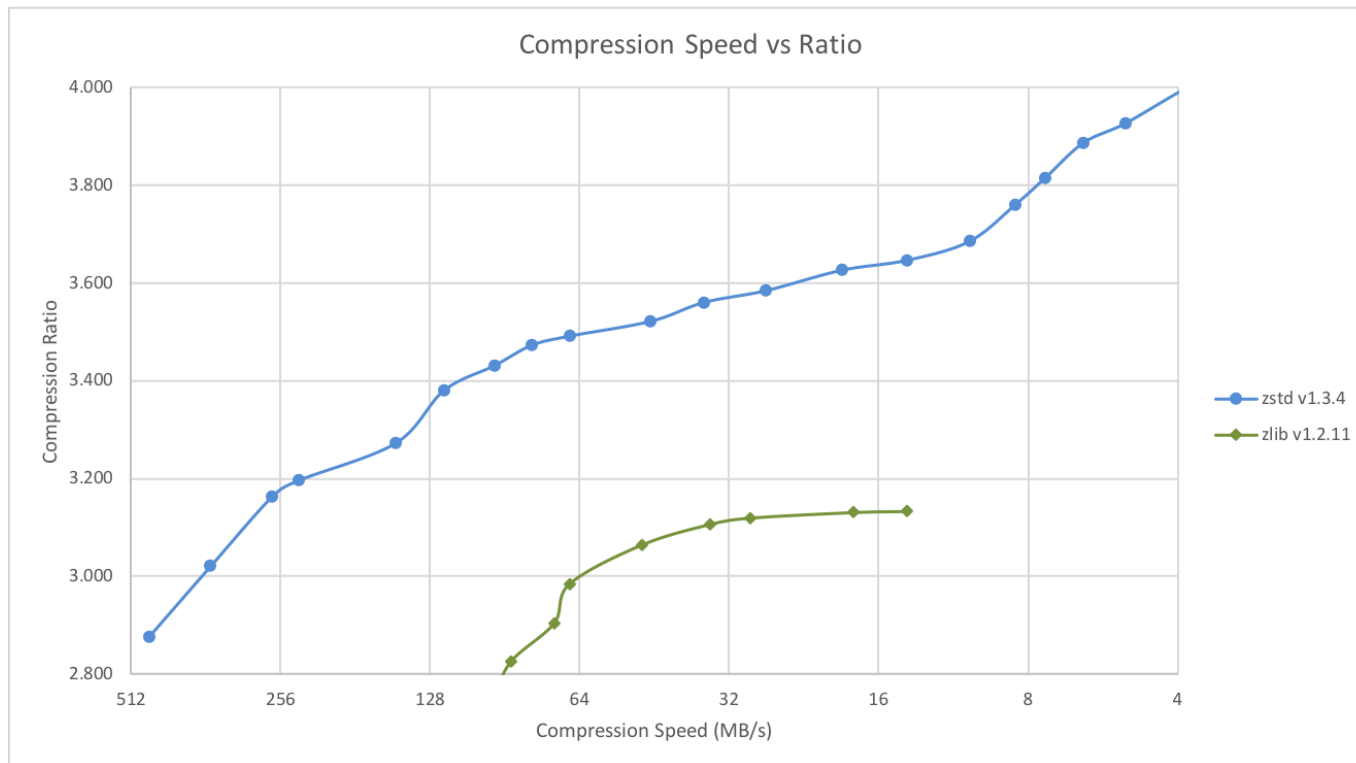




Faster (zstd) tile compression + δ 's


Thanks to Facebook for a better zlib.

~5x lower CPU load for tile compression.



Properties of "text" [X]

General Description Font Statistics

 text.docx Change Password

Type: MS Word document
Location: text.docx
Size: 19 KB (19,384 Bytes)
Created: 11/04/2015, 14:23:04
Modified: 12/18/2017, 21:10:04
Template:
Digitally signed:
Last printed:
Total editing time:00:20:00
Revision number: 34

Apply user data Reset Properties

Save preview image with this document

Image preferred DPI ▾

Help Reset Cancel OK

Password options.





PDF Options

General Initial View User Interface Links Security

Range

All

Pages:

Selection

Images

Lossless compression

JPEG compression Quality:

Reduce image resolution to:

Watermark

Sign with watermark

General

Hybrid PDF (embed ODF file)

Archive (PDF/A, ISO 19005)

PDF/A version:

Universal Accessibility (PDF/UA)

Tagged PDF (add document structure)

Create PDF form

Submit format:

Allow duplicate field names

Structure

Export outlines

Export placeholders

Comments as PDF annotations

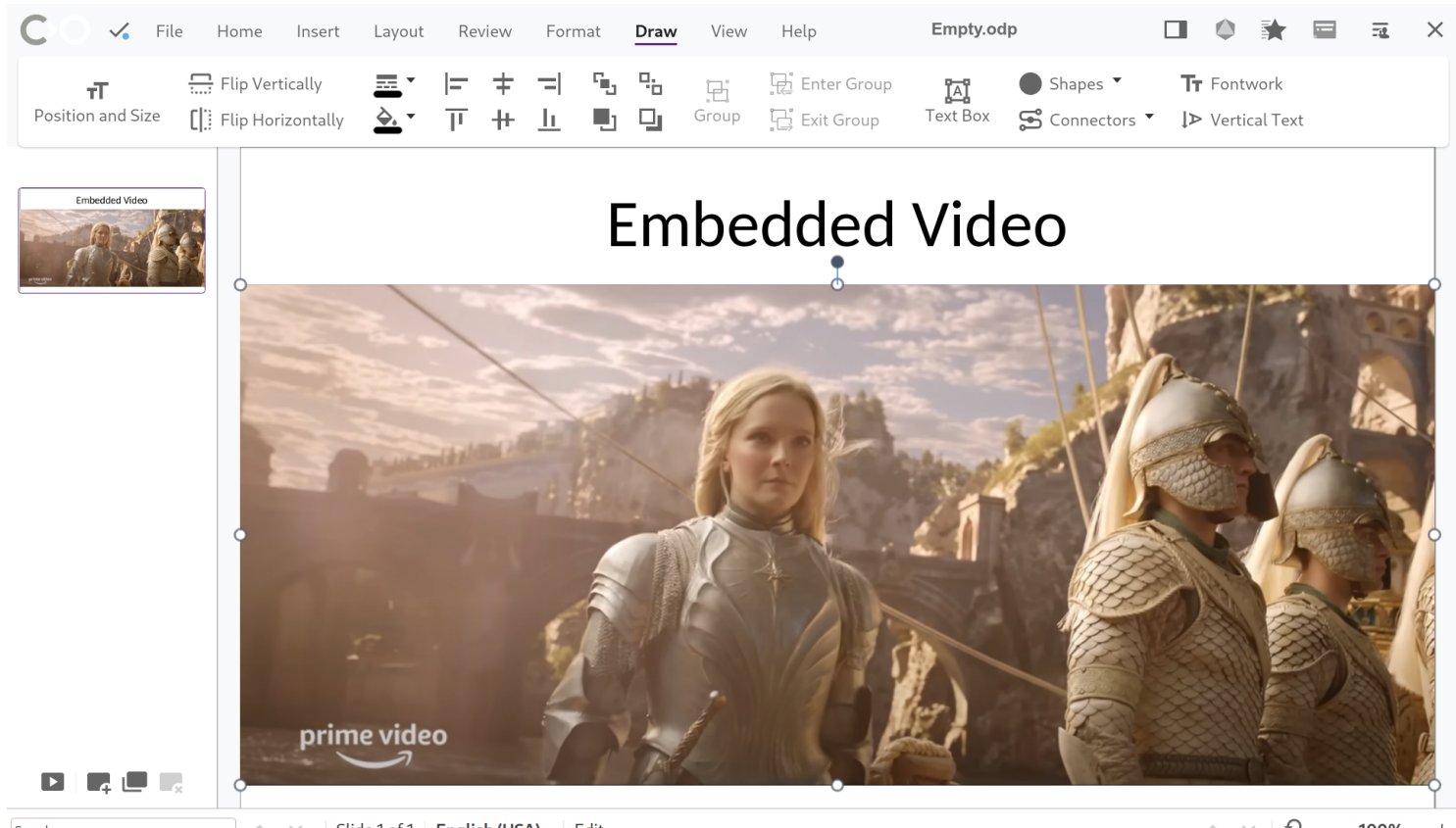
Export automatically inserted blank pages

Use reference XObjects

Help Reset Cancel Export

Online / embedded Video playback

Built on browser codec support:



The screenshot displays the LibreOffice Draw application interface. The top menu bar includes File, Home, Insert, Layout, Review, Format, Draw, View, and Help. The Draw menu is active, showing options like Position and Size, Flip Vertically, Flip Horizontally, Text Box, and Connectors. The main workspace contains a slide titled "Embedded Video" with a video player. The video player shows a scene from a movie with a woman in armor and two men in armor. The video player has a "prime video" logo in the bottom left corner. The video player is surrounded by a selection box with handles. The status bar at the bottom shows "Slide 1 of 1 | English (USA) | Edit".

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>



Make Open Source ROCK

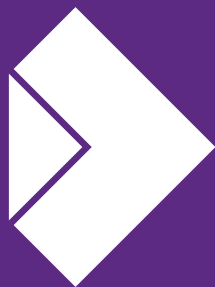




LibreOffice Technology



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/join)