

Collabora Online: Secure on-premise collaborative editing

By Michael Meeks

General Manager, Collabora Productivity

@mmeeks @CollaboraOffice



*"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*

Collabora Online



Collabora Online

Built with awesome LibreOffice Technology

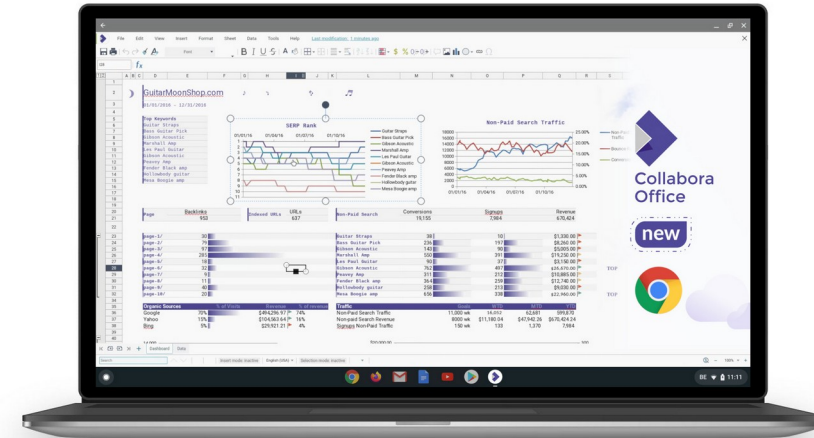
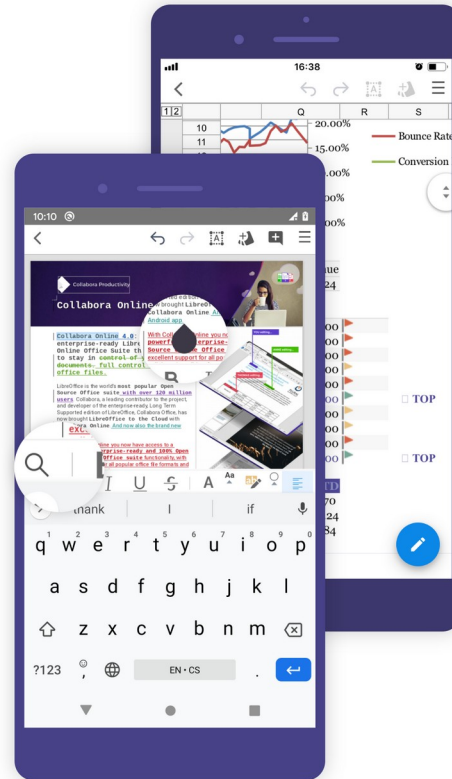
Rich, secure, interoperable
collaborative documents,
on-premise.



YOU editing...

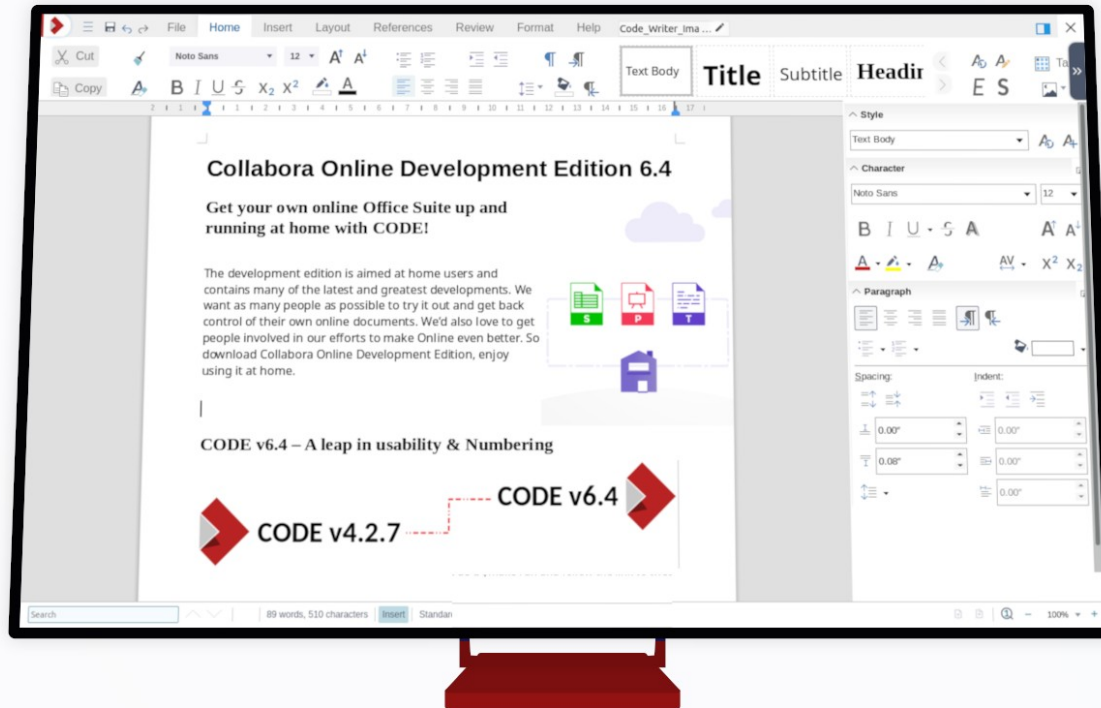
ANNE editing...

THOMAS editing...

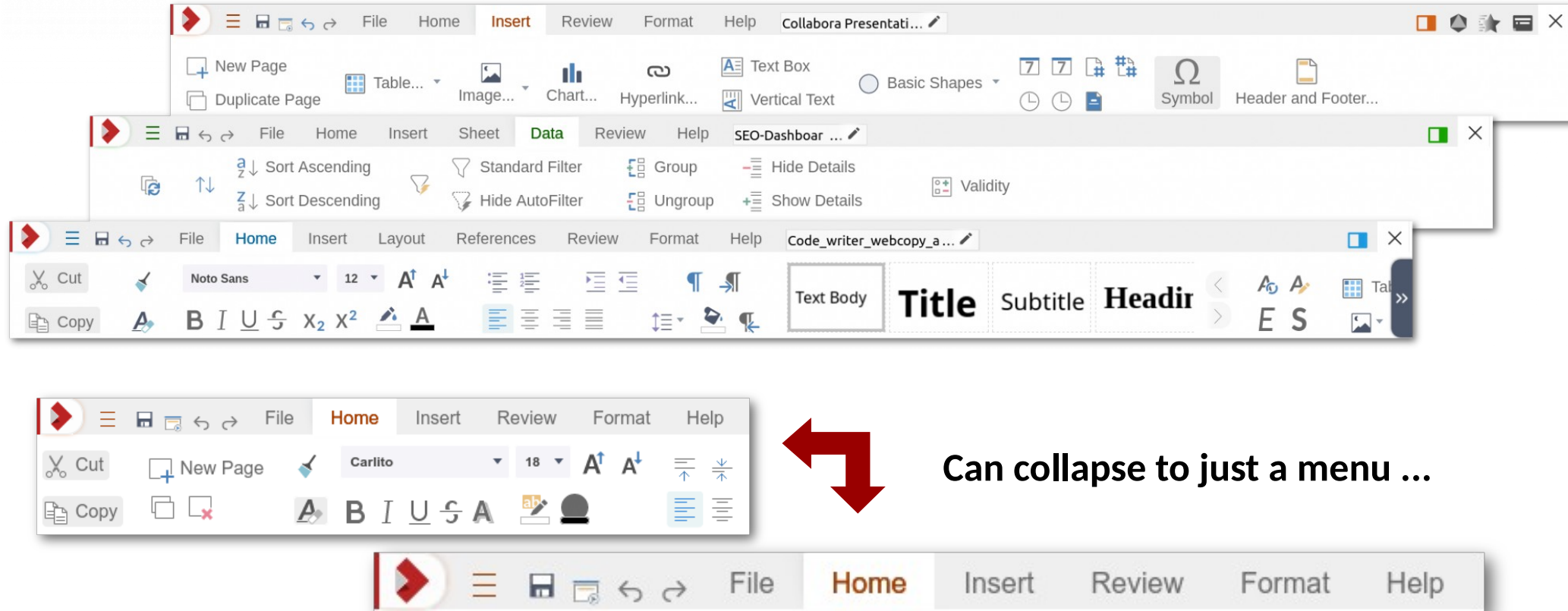


Development: at pace
the last year

Collabora Online 6.4.0 (Nov 20)



Eclectic Notebookbar UX choices: to taste





Classic mode retained: configurable & default ...

Collabora Online Development Edition / CODE 6.4

Collabora Productivity

Collabora Online 6.4: 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 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

Style

Default Style

Character

Montserrat

22

Paragraph

Spacing

Indent

Page 1 of 2 389 words, 2,664 characters Insert Standard selection English (USA)

Insert Rows Above Insert Columns Before Insert Row Break Delete Rows Remove Row Break Freeze First
 Insert Rows Below Insert Columns After Insert Column Break Delete Columns Remove Column Break Freeze Rows and Columns Freeze First

G34 fx Σ = 3

	A	E	F	G	H	I	J	K
1								
2								
3	Top Keywords							
4	Date	mp	Les Paul Guitar	Gibson Acoustic	Peavey Amp	Fender Black amp	Hollowbody guitar	Mesa Boogie amp
19	04/04/16	3		3	5	8	14	
20	11/04/16	3		3	5	9	14	
21	18/04/16	3		4	5	9	14	
22	25/04/16	3		4	5	9	14	
23	02/05/16	3		4	5	9	14	
24	09/05/16	3		4	5	10	15	
25	16/05/16	3		4	5	10	15	
26	23/05/16	3		4	5	10	15	
27	30/05/16	3		4	5	10	15	
28	06/06/16	3		4	5	10	15	
29	13/06/16	3		4	5	10	15	
30	20/06/16	3		3	5	10	15	
31	27/06/16	3		3	5	10	15	
32	04/07/16	3		3	5	10	15	
33	11/07/16	3		3	5	9	15	
34	18/07/16	2		3	5	9	15	
35	25/07/16	2		4	4	9	15	
36	01/08/16	2		4	3	9	14	
37	08/08/16	2		4	3	9	14	
38	15/08/16	2		4	3	9	14	
39	22/08/16	2		4	3	9	14	
40	29/08/16	2		4	3	9	14	
41	05/09/16	2		4	3	9	14	
42	12/09/16	2		4	3	9	14	
43	19/09/16	2		5	3	9	14	
44	26/09/16	2		5	3	9	14	
45	03/10/16	2		5	3	10	14	
46	10/10/16	2		5	3	10	13	
47	10/10/16	1		6	2	10	13	
48	04/10/16	2		2	2	22	22	
49								
50								
51								

Style

Default

Character

Calibri

B I U S A

Number Format

General

Decimal places:

Negative numbers in red

Thousands separator

Alignment

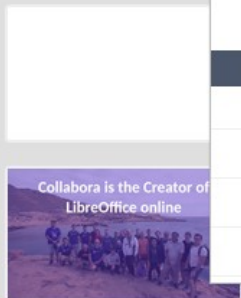
Indent:

0 pt

Text orientation:

0°

- Local Image...
- Image...
- Set Background Image...
- Comment**
- Chart...
- Hyperlink...
- Special Character...
- HeaderAndFooter



Marc

Wed, Aug 26, 2020

You can now add annotations to PDF Files in Collabora Online via the Comment function

PDF Search, Collaboration & Annotation



Real Secure View of PDFs send only pixels ...

☒ Enable Secure View

Set default share permissions for all users (available for shares without edit permission)

☐ can print/export

☒ Secure View (with watermarks)

Set watermark text for Secure View. To include the user email address dynamically, use the {viewer-email} variable. Click outside the text field to save.

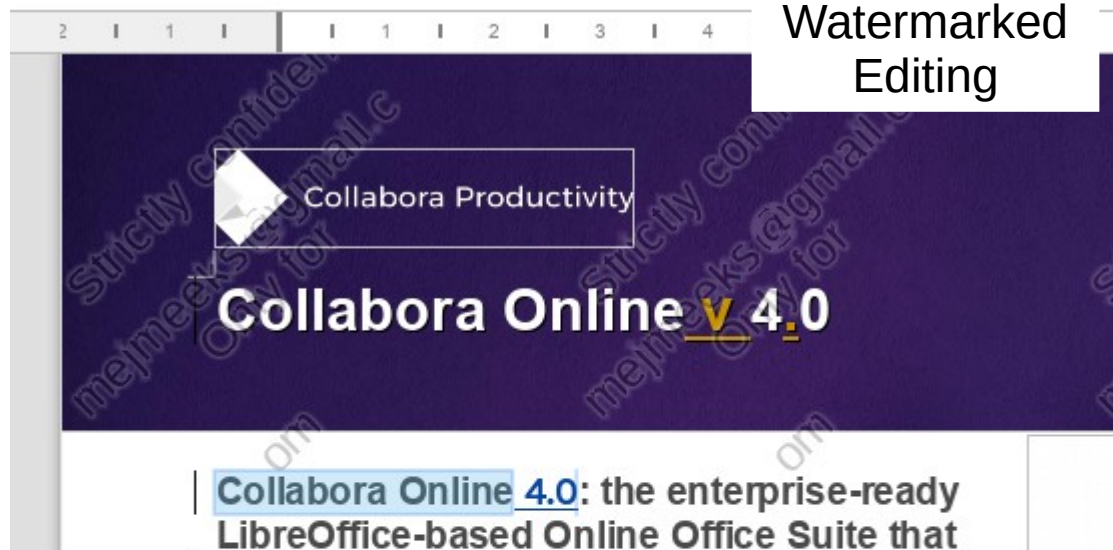
Strictly confidential. Only for {viewer-email}

SecureView & PDF bits – developed in partnership with ownCloud

Granular permissions

- Edit, Print, Share, Download
- Watermarked PDFs if print allowed.

collaboraonline.com



Online 6.4.x ...

rapid fire

incremental goodness

SEO-Dashboard.xlsx - Files - Nextcloud - Google Chrome (on dell.home)

share.collabora.com/index.php/apps/files/?dir=/ADemo&fileid=6...

File Home Insert Sheet Data Review Help SEO-Dashboard.xlsx

Cut Copy Callibri 11 A+ A- General % 00 .00 .00

F7 $f_x \Sigma =$

12 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 31 32 33 34 35 36

A B C D E F G H I J K L M

Guitar Shop 01/01/2016 - 12/31/2016

01/01/16

Edit Chart Titles & Sub titles

Directly in the side-bar

1 3 5 7 9 11

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

Page Indexed URLs Non-Paid Search

Organic Sources	% of Visits	Revenue	% of revenue	Traffic
Google	70%	\$494,296.97	74%	Non-Paid Search Traffic
Yahoo	15%	\$104,563.64	16%	Non-paid Search Revenue
Bing	5%	\$29,921.21	4%	Signups Non-Paid Traffic

Dashboard Data

Search Select multiple cells Insert mode: inactive English (USA) Selection mode: inactive 100%

Chart Type

Chart Type: Line

3D Lines

☐ Stack series

☒ On top

☐ Percent

Line type: Straight Properties...

Elements

Titles

☒ Title

Edit Chart Titles & Sub titles

☒ Subtitle

Directly in the side-bar

Legend

☒ Show legend

Placement: Right

Axes

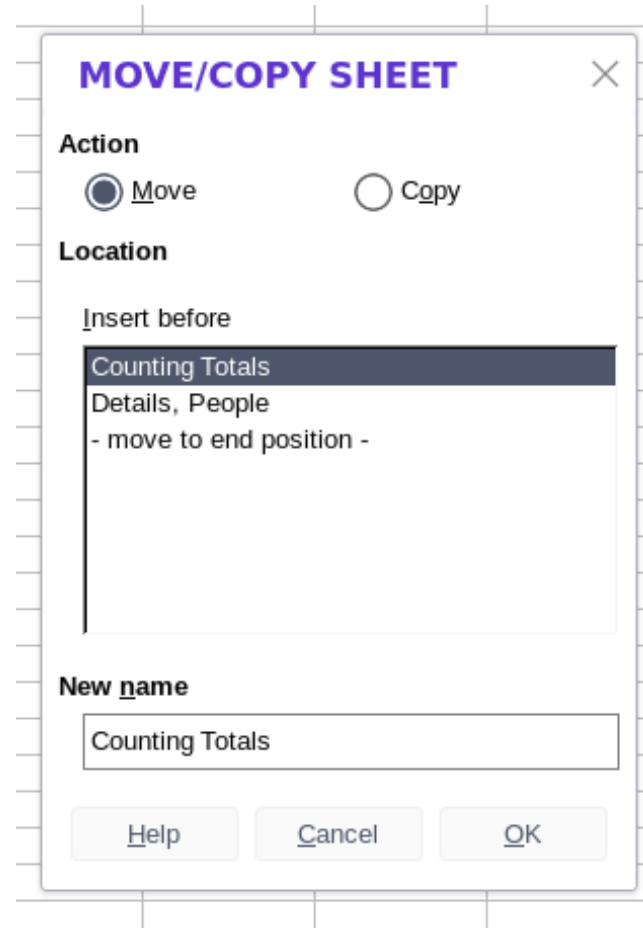
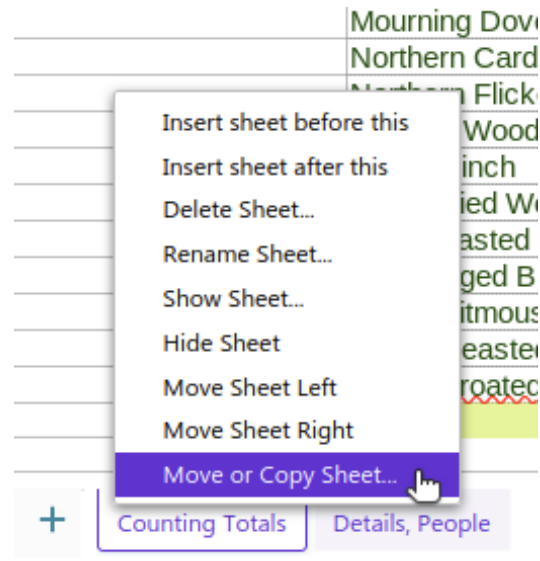
☒ X axis ☐ X axis title

☒ Y axis ☐ Y axis title

Improved chart editing sidebar functionality



Calc: Improved sheet movement:





Calc: customize & create Pivot Tables

SELECT SOURCE×

☒ Current selection
☐ Named range:

Help

PIVOT TABLE LAYOUT×

FILTERS:
Country

COLUMN FIELDS:
Data

AVAILABLE FIELDS:
Country
Size
Orchards count
Apple & Pear Trees
Peach & Apricot Trees
Olive Trees

ROW FIELDS:
Country

DATA FIELDS:
Sum - Apple & Pear Trees

DRAG THE ITEMS INTO THE DESIRED POSITION

> Options

> Source and Destination

Help

Cancel

OK

PIVOT TABLE LAYOUT×

FILTERS:
Country

COLUMN FIELDS:
Data

AVAILABLE FIELDS:
Country
Size
Orchards count
Apple & Pear Trees
Peach & Apricot Trees
Olive Trees

ROW FIELDS:
Country

DATA FIELDS:
Sum - Apple & Pear Trees

DRAG THE ITEMS INTO THE DESIRED POSITION

> Options

> Source and Destination

☐ Named range

☒ Selection 'Sorted Data'!\$B\$3:\$G\$75

DESTINATION

☐ New sheet

☐ Named range

☒ Selection 'Sorted Data'!\$J\$53

Help

Cancel

OK



Calc: define & manage range names & print ranges

Orchards_Apples_Peaches_Europe_Pivo ...

Standard Filter | Group | Hide Details | Define Name | Manage Names | Hide AutoFilter | Ungroup | Show Details

DEFINE NAME

DEFINE THE NAME AND RANGE OR FORMULA EXPRESSION.

NAME:
_Countries_Orchard

RANGE OR FORMULA EXPRESSION:
\$'Sorted Data'.\$B\$3:\$F\$27

SCOPE:
Document (Global)

> Range Options

Help Add Cancel

MANAGE NAMES

Name	Range or formula expression	Scope
Apples	\$'Sorted Data'.\$E\$4:\$E\$19	Document (Global)
Orchards	\$'Sorted Data'.\$B\$39	Document (Global)
Peaches	\$'Sorted Data'.\$F\$4:\$F\$22	Document (Global)

NAME:
Apples

RANGE OR FORMULA EXPRESSION:
\$'Sorted Data'.\$E\$4:\$E\$19

SCOPE:
Document (Global)

> Range Options

Add Delete

Help Cancel OK

Calc: Statistical tools for data analysis

Calc: Statistical tools for data analysis

File Home Insert Sheet Data Review Help

Refresh Pivot Table Sort Ascending AutoFilter Standard Filter Group Hide Details Define Name
Delete Pivot Table Sort Descending Advanced Filter Hide AutoFilter Ungroup Show Details Manage Names Validity Statistics

B3:G75

fx Σ =

Country	Size	Orchards count	Apple & Pear Trees	Peach & Apricot Tree	Olive Trees
Austria	S	4,518.19	767.46	71.63	
Austria	M	2,344.80	3,837.32	214.90	
Austria	L	2,655.50	3,069.85	429.80	
Belgium	S	2,208.49	1,736.58	838.69	
Belgium	M	9,587.01	2,315.44		
Belgium	L	2,934.50	1,736.58		
Bulgaria	S	6,918.00	495.80		
Bulgaria	M	4,518.49	991.60		
Bulgaria	L	3,500.76	3,470.59		
Croatia	S	14,518.60	891.82		
Croatia	M	6,318.49	2,229.54		
Croatia	L	2,354.64	1,337.72		
Cyprus	S	11,007.59	75.35		
Cyprus	M	1,518.49	113.03		
Cyprus	L	1,550.55	188.38		
Czechia	S	4,578.88	1,563.72		
Czechia	M	3,955.49	4,691.16		
Czechia	L	1,306.54	1,563.72		
Denmark	S	918.92	125.50		
Denmark	M	500.65	376.49		
Denmark	L	207.95	752.99		
France	S	39,522.80	11,489.49		
France	M	31,580.03	22,978.98		
France	L	14,074.47	3,829.83		
Germany	S	9,901.44	8,478.29		
Germany	M	15,698.11	14,130.48		
Germany	L	10,518.29	5,652.19		
Greece	S	549,528.32	2,813.21		
Greece	M	132,518.22	2,813.21		
Greece	L	79,220.36	3,750.94		
Hungary	S	23,221.55	5,008.80		
Hungary	M	5,539.26	5,008.80		
Hungary	L	7,530.67	15,026.41		
Italy	S	873,425.28	11,161.98		
Italy	M	294,518.49	16,742.97		

Size - all -

Data

Country Som - Apple & Pear

Austria

Belgium

ANALYSIS OF VARIANCE (ANOVA)

DATA

INPUT RANGE: '\$Sorted Data'!\$B\$3:\$G\$75

RESULTS TO: \$I\$34

TYPE

Single factor Two factor

GROUPED BY

Columns Rows

PARAMETERS

ALPHA: 0.05

ROWS PER SAMPLE: 1

Help Cancel OK

Sampling

Descriptive Statistics

Analysis of Variance (ANOVA)

Correlation

Covariance

Exponential Smoothing

Moving Average

Regression

Paired t-test

F-test

Z-test



The pieces you can't see

Performance

- 20%+ faster rendering time
- Faster interactive editing of cells
- Bind-mounting of document jails (instead of hard-linking)
- Improved watermark caching
- Slide content pre-fetching
- On-demand slide thumbnail fetching.
- Significant PDF rendering improvements
- Significant thumbnail / download speedups

Misc

- iOS multi-document support
- Substantial cypress automated test coverage.
- Cluster debugging / warnings ... check matching ServerIds

And much much more ...

- 3600+ commits.
- Innumerable bug-fixes & improvements

UX integration:

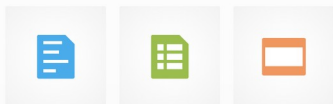
*Letting you dress your
your integration to match
(cf. blog)*



Getting style guide: a how-to ...

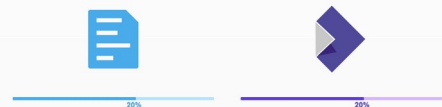
Documents

Document types



Loading...

Options



Colours

Neutral colours



Accent colours



Colour-coded tools



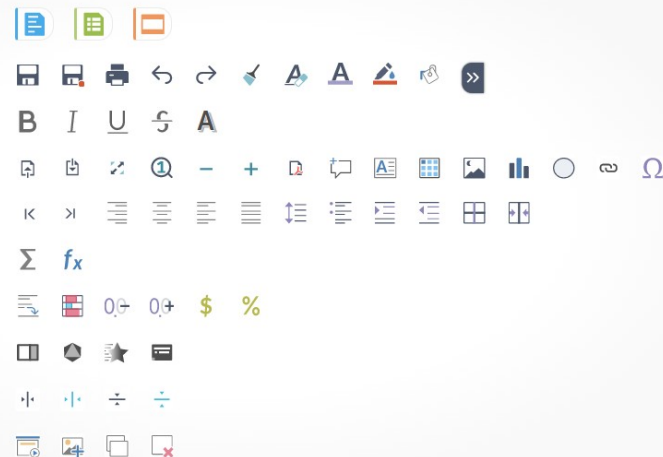
Typography

Sans-serif

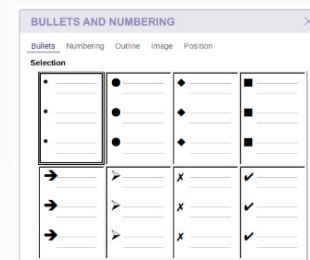
Sans-serif fonts with a variety of weights for each purpose.

Aa Bb Ww a abcdefghijklm
Aa Bb Ww nopqrstuvwxyz

Iconography



Dialog Windows





ui_defaults: posted with the iframe:

```
<input name="ui_defaults" value="TextRuler=false;StatusBar=false" type="hidden"/>
```

‘;’ delimited options in a post field.

uiMode=classic/notebookbar – **select menu/toolbars**

StatusBar=false – **hide status bar**

TextStatusBar=false – **hide status bar only for Text**

other prefixes: Presentation/Spreadsheet

Sidebar=false – **hide sidebar by default**

Ruler=false – **hide ruler by default ... etc.**

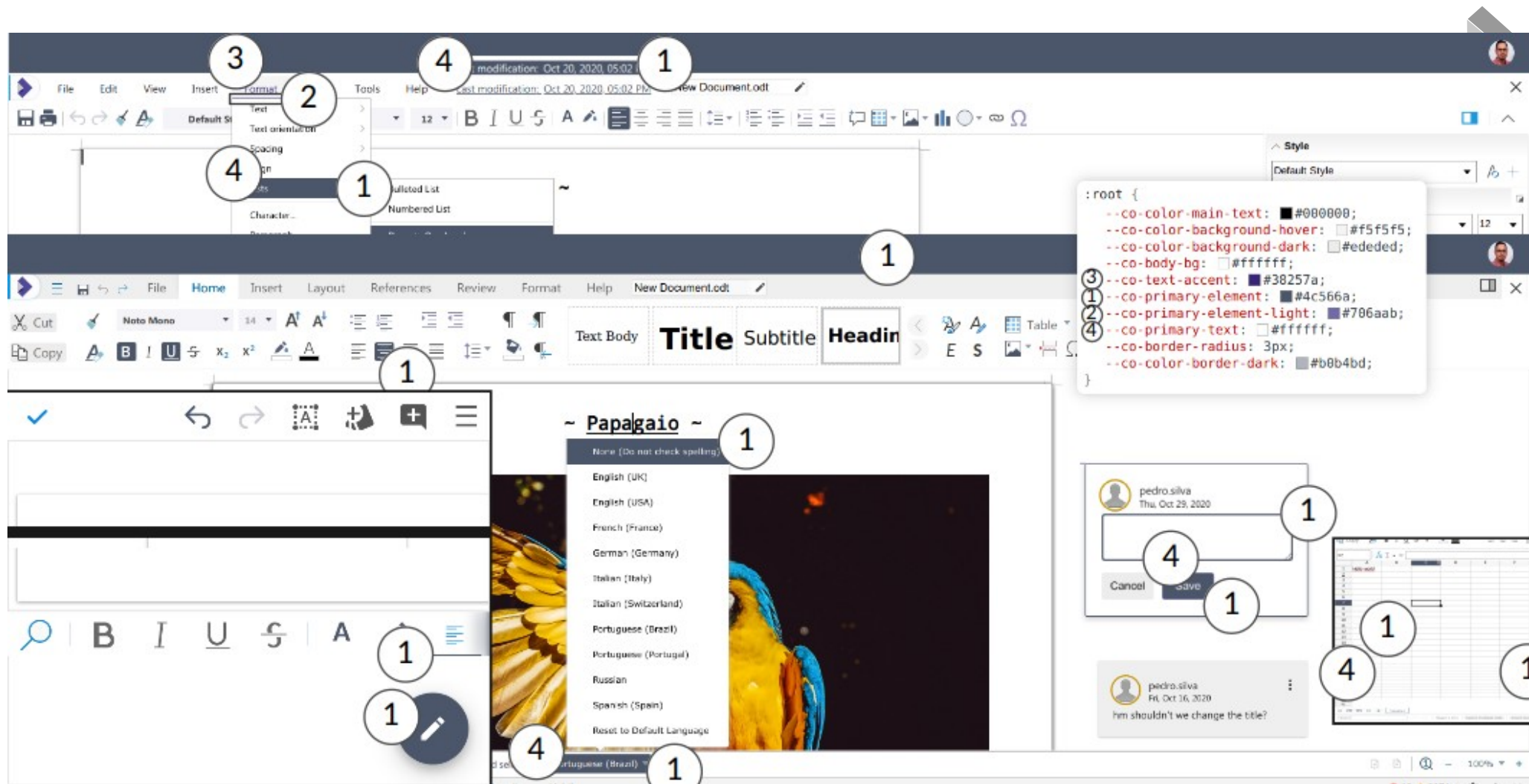


css_variables: posted with the iframe:

```
<input name="css_variables" value="co-color-main-text=#000;- -co-body-bg=#FFF- -co-txt-accent=#38257a;" type="hidden"/>
```

‘;’ delimited options in a post field, default (for now) are:

```
--co-primary-element: #4c566a  
--co-primary-element-light: #706aab  
--co-txt-accent: #38257a  
--co-primary-text: #ffffff  
--co-border-radius: 3px  
--co-body-bg: #ffffff  
--co-color-main-text: #000000
```





☐ papagaios
☐ periquitos

pedro.silva
Fri, Oct 16, 2020

[illegible]

Before:

Collabora Online.odt - Files - Nextcloud - Mozilla Firefox

Collabora Online.odt - x +

localhost/nextcloud/index.php/apps/files/?dir=/Documents&fileid ... Vyhledat

File Edit View Insert Format Table Tools Help Last modification: 7 minutes ago Collabora Onlin ...

Save
Save As...
Share...
Print...
See revision history
Download as

Collabora Online

Welcome to the Collabora Online Demo

Thank you for your interest in the Collabora Online demo. Collabora Online is an open source on-premise office suite solution based on LibreOffice Online. It enables you to collaboratively edit, save and write text files, spreadsheets and presentations online. Collabora Online works on any modern browser and offers excellent interoperability for all popular office formats.

There are two versions of Collabora Online. The scale-able and supported enterprise-ready [Collabora Online](#) and [CODE](#) — the Collabora Online Developers Edition. While Collabora Online is aimed at professional business users, CODE is perfect for home users that want to start to run their online office suite in an own private environment or tech-enthusiast, that want to be among the first to see and test new features. Learn more about the differences [here](#).

One more thing before you start! This demo runs on our servers and grants you access to the latest snapshot from

Style
Text Body

Character
Vegur 10.5
B I U S A
A a X² X₂

Paragraph
Spacing: 0.00" 0.08"
Indent: 0.00" 0.00"

After: theming / palette & settings ...

Collabora Online.odt - Files - Nextcloud - Mozilla Firefox

Collabora Online.odt - x +

localhost/nextcloud/index.php/apps/files/?dir=/Documents&fileid ... Vyhledat

File Edit View Insert Format Table Tools Help Last modification: 1 minutes ago Collabora Onlin ...

Save
Save As...
Share...
Print...
See revision history
Download as

Nextcloud highlight colors

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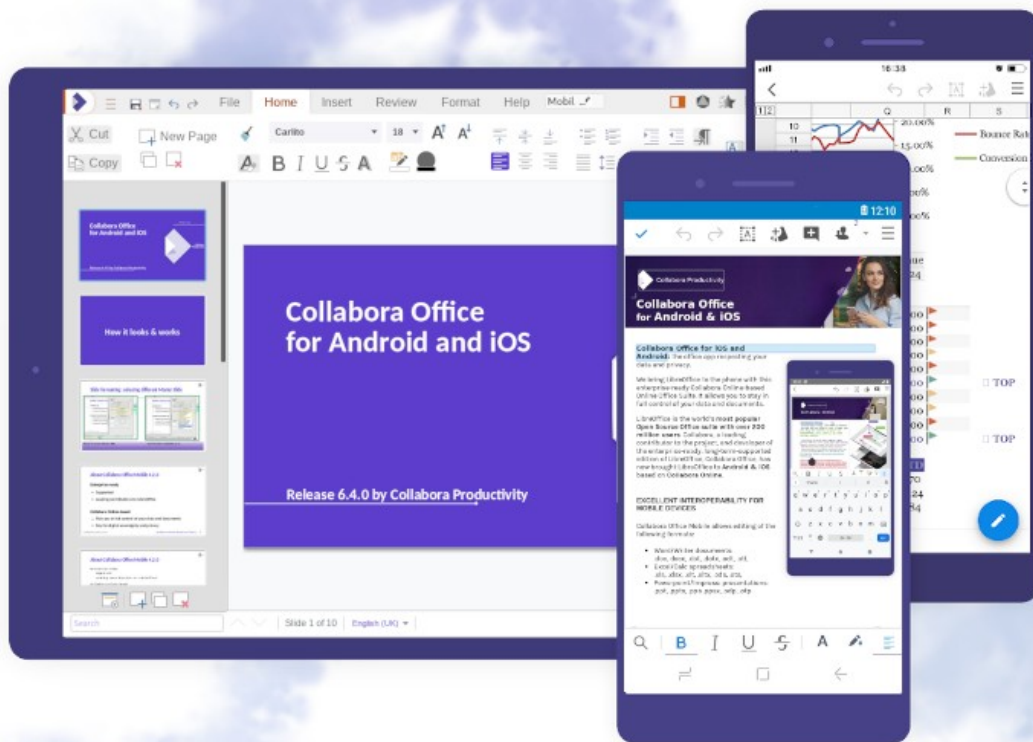
Ruler off by default

Sidebar was here ...

Lighter document background

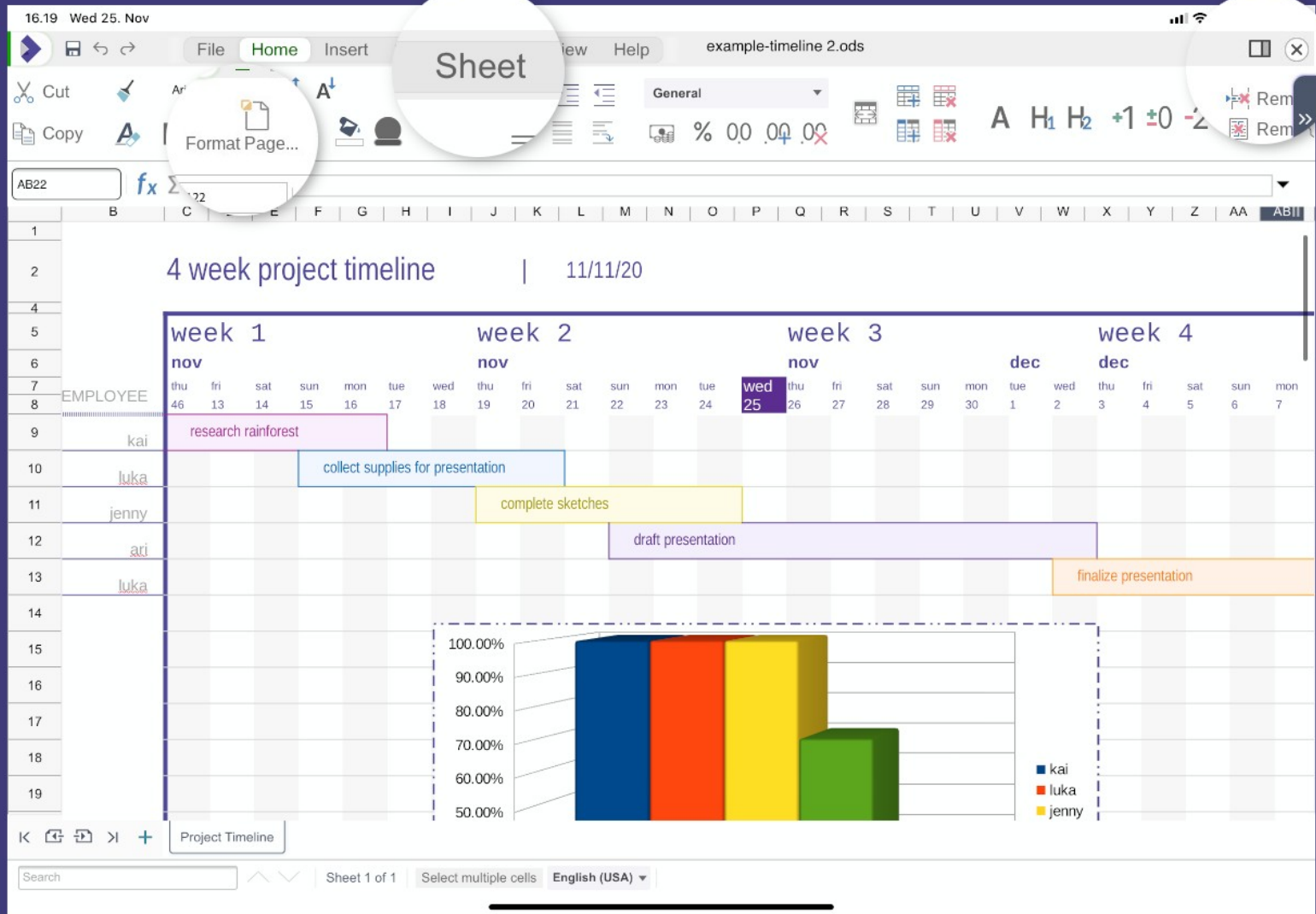
Mobile 6.4.x ...

bringing goodness to your phone



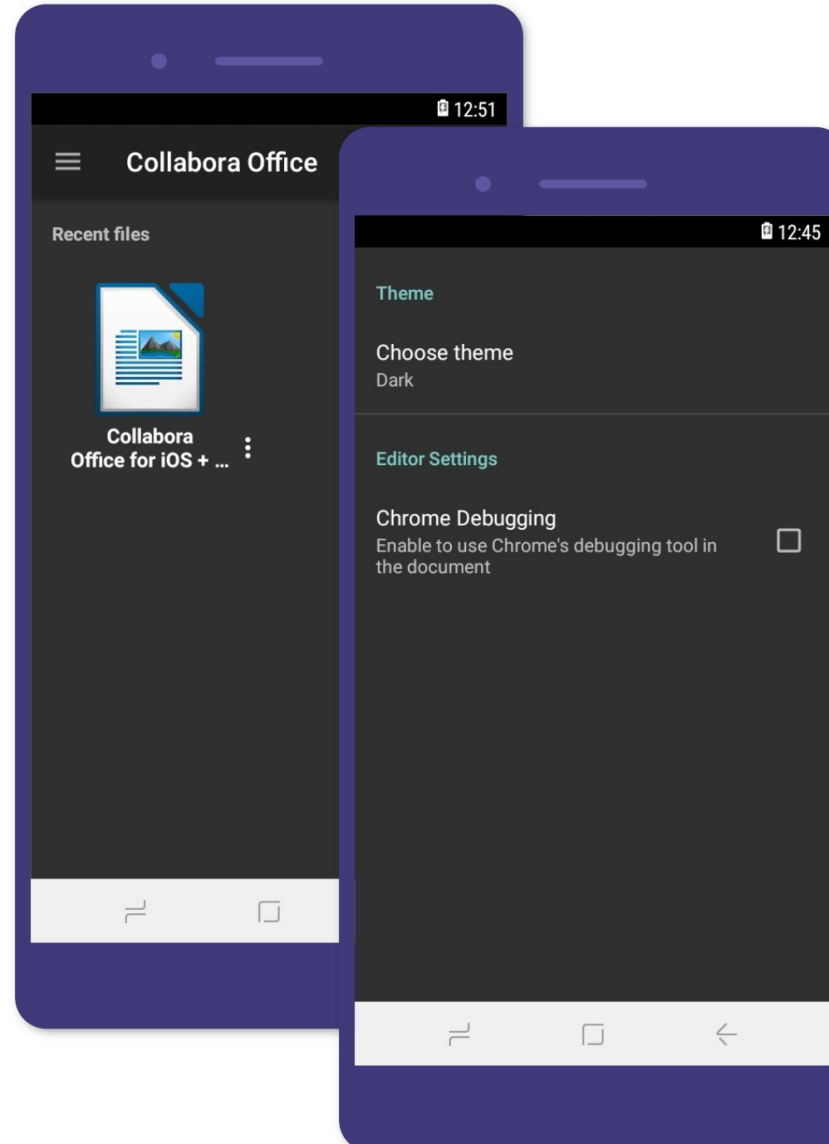
Collabora Office

6.4





**Android: start of a
Dark Mode for the
Online shell.**

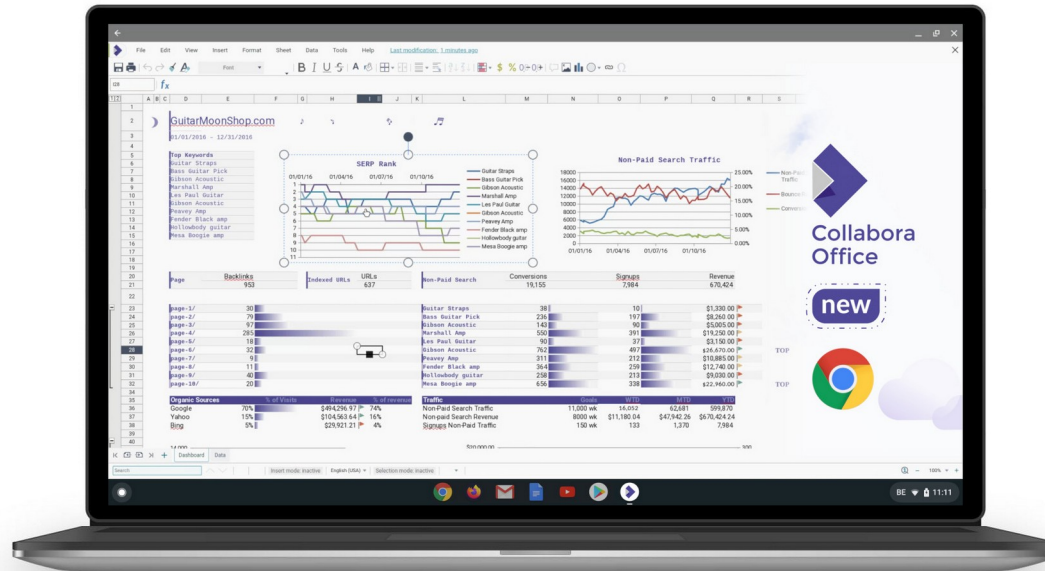




500k installs

Available for iOS, Android & Chrome OS

ChromeBooks:



- Collabora Office_DemoDocs - to be finished

Name Size Type Date modified

< File Edit View Insert Format Table Tools Help Last modification: 30 seconds ago X

Default Style Montserrat 14 B I U A [List of icons]

Collabora Office 4.2.5

Collabora Office 4.2.5: the enterprise-ready LibreOffice-based Mobile Office Suite that allows you to stay in **control-of-your-own documents**, full control of all 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 already back in 2016 - and is still doing most of the work - e.g. 97% of commits if from Collabora.

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.

jane
jeu. 27 avr. 2017
Can we add the version nu too?

cor
jeu. 18 juin 2020
I agree Emmy that this c/stated more clearly

Search Page 1 of 2 407 words, 2,742 characters Insert Standard selection English (USA) 100%

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 **already back in 2016 - and is still doing most of the work - e.g. 97% of commits** if from Collabora.

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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 a **perpetual license**, annual subscription to **security maintenance and updates**, an **SLA**, and Level 3 (code fix) support (other levels are provided by our partners). And there are more benefits:

Search Page 1 of 2 407 words, 2,742 characters Insert Standard selection English (USA) 100%

Making it easy to try out

Simple setup for home users ...



Quick try-out: built-in demo servers ...

Please make sure you understand that the following will happen if you set up the Collabora Online demo.

- The service will send users documents to Collabora and/or third party demo servers.
- This service is not intended for production use, hence the documents will show tile watermarks.
- The demo service may be under heavy load, and its performance is not representative in any way of the performance of an on-premise installation.
- These servers are used for testing and development, and may run test versions of the software. As such they may crash, burn, and re-start without warning.
- The users documents will not be retained by a third party after their session completes except in exceptional circumstances. By using the service, the user gives permission for Collabora engineers to exceptionally use such document data, solely for the purpose of providing, optimizing and improving Collabora Online. Such document data will remain confidential to Collabora and/or any third party providing a demo server.

At the first use and after an update, each user will get the warning, explaining all the above.

I agree, and use the demo server

I will setup my own server

☒ Use a demo server

You can use a demo server provided by Collabora and other service providers.

Select a demo server

Friprogramvarusyndikatet – Sweden

Collabora Productivity Ltd. – Ireland

Collabora Productivity Ltd. – North California, USA

Collabora Productivity Ltd. – Tokyo, Japan

Collabora Productivity Ltd. – São Paulo, Brazil

Easy to test your new integration against



Built-in demo servers: iff safe & route-able ...

● Use a demo server

You can use a demo server provided by Collabora and other service providers for giving Collabora Online a try.

Your NextCloud setup is not capable of connecting to the demo servers because:

- *it is a local setup (localhost)*
- *it uses an insecure protocol (http)*

For use cases like this, we offer instructions for a [Quick tryout with Nextcloud docker](#).



Better: Nextcloud Hub / AppImage install ...

A lovely, simple one-click install ...

- A small / fast PHP forwarding proxy & an AppImage
- Please upgrade to a faster, native server quickly ...

☐ Use your own server

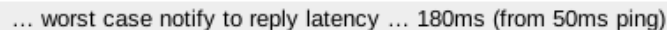
Collabora Online requires a separate server acting as a WOPI-like Client to provide editing ca

☒ Use the built-in CODE - Collabora Online Development Edition

Easy to install, for personal use or for small teams. A bit slower than a standalone server and



Notify to reply:



Next ...

more rapid fire

incremental goodness



Roadmap – for partners & customers

Collabora moved our development to github:

- <https://collaboraonline.github.io/>
- <https://github.com/CollaboraOnline/online> - follow the commits ...
- <https://forum.collaboraonline.com/>
 - Questions & Minutes of our (public) weekly calls – get involved ...

In-progress: Beauty & Polish ...

- Canvas based front-end re-work: slicker & crisper
- JS dialog / sidebar rendering ... → client-side chrome
- Async auto-saving

Your integration ... ?

The screenshot shows a web browser window with a single tab titled "PSYC: Assignment Essay - X". The address bar is empty. The page content is from Moodle, displaying the title "Assignment Essay" and the following details:

- 1149 words
- 5 pages
- MLA

Below the details is a link to "assignment-1.docx" with a document icon. The browser window is overlaid on a Microsoft Word document. The Word ribbon shows the "References" tab selected, with sub-tabs for "File", "Home", "Insert", "Layout", "References", "Review", "Format", and "Help". The "References" sub-tab is active, showing options like "Index Entry", "Update Index", "Endnote", "Footnotes and Endnotes", "Bookmark", "Caption", "More Fields", and "Update All". The document text visible at the bottom reads: "For twelve year old Alice, who has struggled in math, there are many perspectives from the lens of Developmental Psychology. Alice initially struggled in math despite her continued".

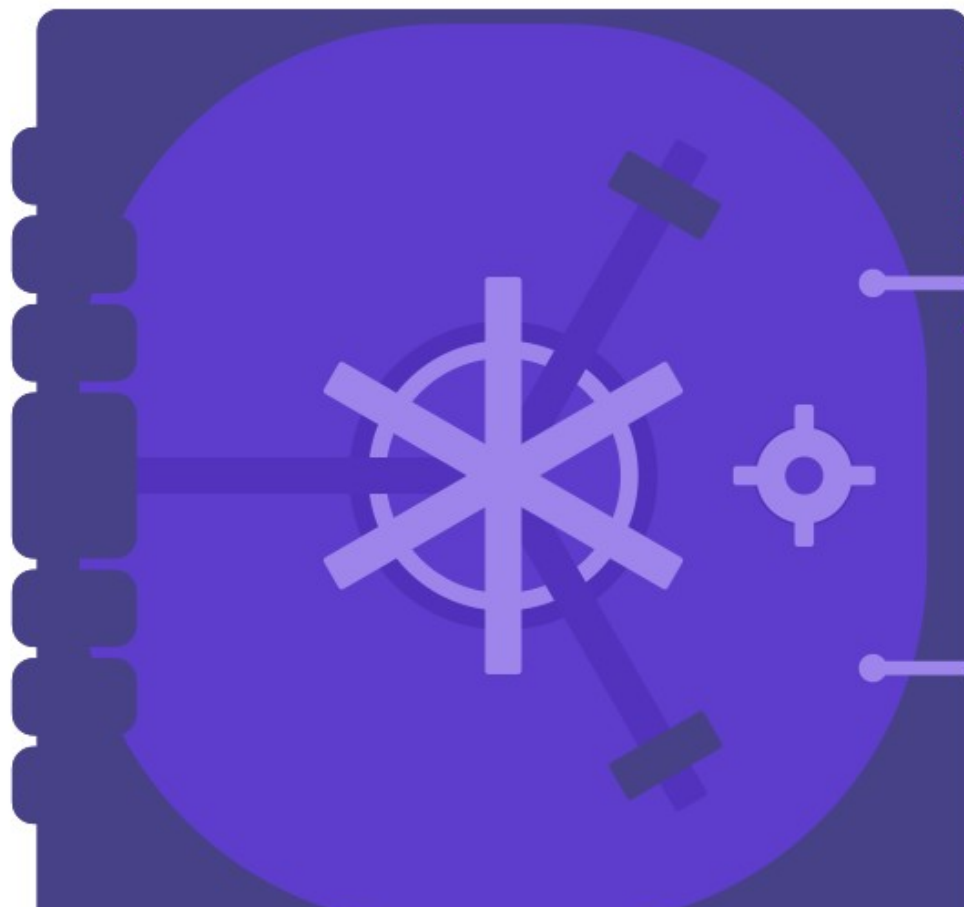
Distinctives

Thing you don't get elsewhere



Digital Sovereignty

or :don't let your document data out of your site [sic]



on your premise / Private network

Virtual machine / Docker container

Seccomp-bpf ~no sys-calls

Extremely sparse filesystem

Chroot per document

Systematic load crash testing

Industry beating coverity score

LibreOfficeKit

rendering instance

Document data is held in your server room.

Not sent to every single device to be controlled by the browser + JS + local debugger.

C'bra sends pixels to clients.



Simple: setup, pricing, support

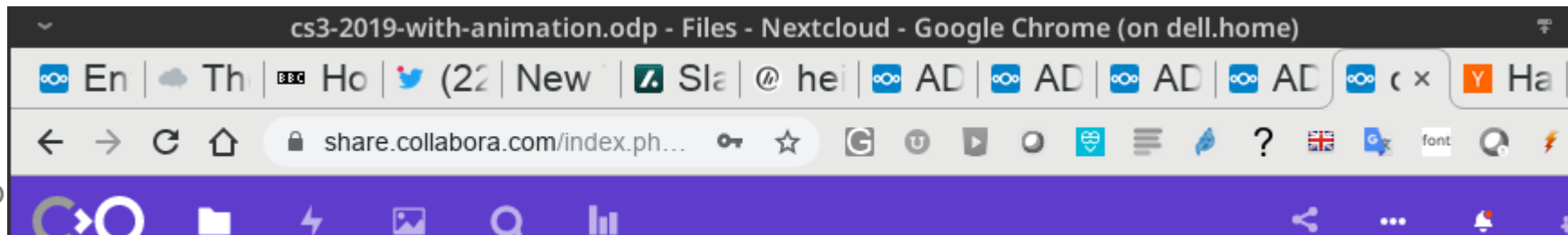
“Are you sure you only need a load-balancer for HA ?”

“Nothing to ask, followed the docs, easy to setup, if only all my problems were that easy”

As many servers & connections & VMs as you need

Dynamically scale your workloads with **Kubernetes**

Beware of the Window + Tabpocalypse: pay just once per user ...

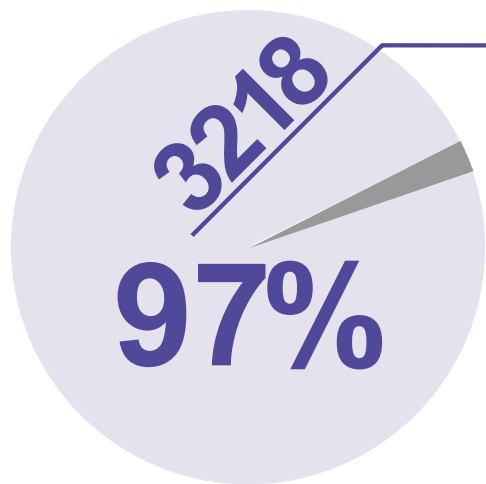


Collabora and LibreOffice

Online commits

By affiliation (last year)

Collabora



5	Others
15	CIB
21	1&1
28	Volunteers

Over 50m

pulls from

CODE

Collabora Online

Development Edition

docker image



Moving our development to github

Clear brand story

- Helps to drive investment and avoid user / customer confusion
- Unwinds long running source of conflict at TDF

Removing reminder for users

- CODE no longer has a warning on >20 users

Continue to support, work on LibreOffice ~ 98%

Similar to Nextcloud/ownCloud/pydio/seafiler/etc.

- A clear flow of users through their projects
- An obvious place for support
- Clear credit given in the product name
- No complex structures necessary.

FLOSS company assets: cash + their brands

- ROI is important → in marketing.



On a mission:

Making
Open
Source
ROCK

Focused on your Office.

Thank you! to all our users, partners & supporters

By Michael Meeks

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CollaboraOffice.com

CollaboraOffice.com/CODE

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Open Source, Open First

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