

Collabora Online & Nextcloud

By Michael Meeks
General Manager, Collabora Productivity

@mmeeks @CollaboraOffice



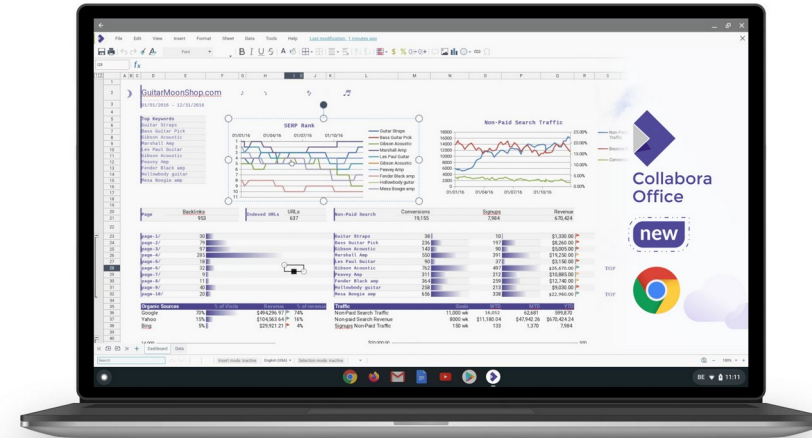
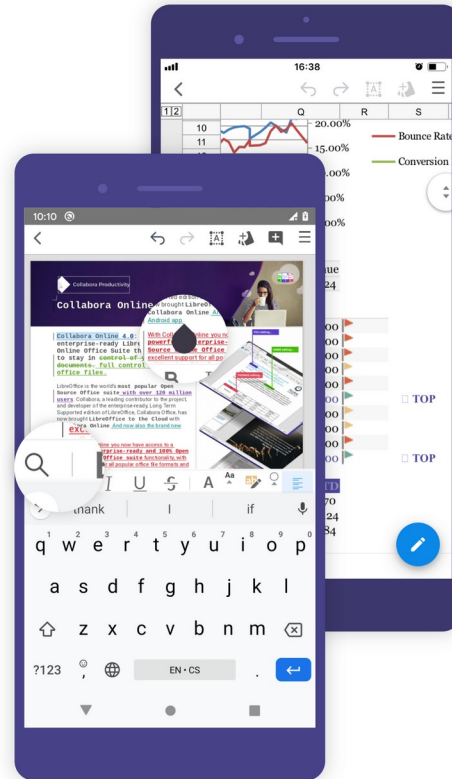
*"Stand at the crossroads and look; ask for the
ancient paths, ask where the good way is, and
walk in it, and you will find rest for your souls..." -
Jeremiah 6:16*

Collabora Online



Collabora Online

Rich, interoperable editing,
everywhere



Development: at pace
the last year



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



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

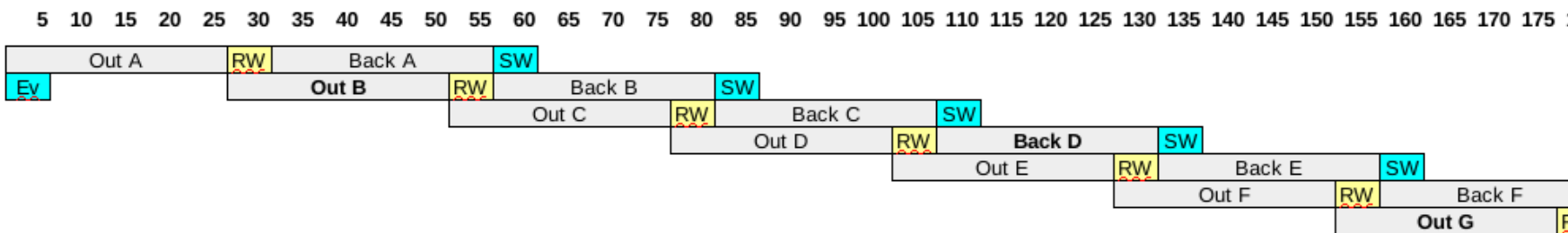
Easy to install, for personal use or for small teams. A bit slower than a standalone server and



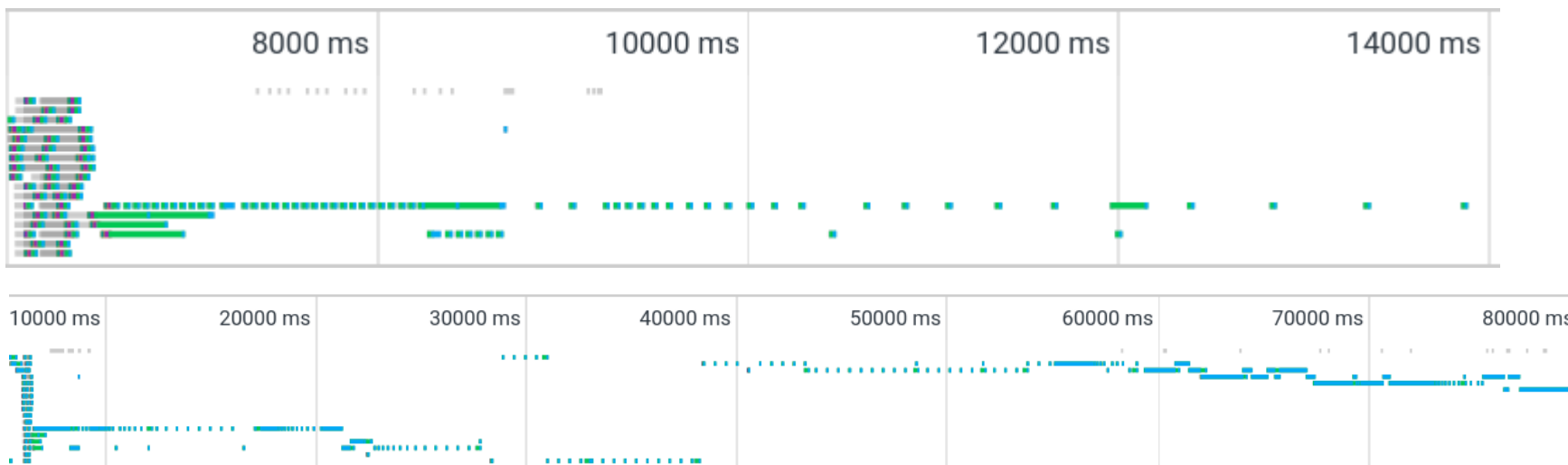
Polling websocket-alikes over keep-alive'd https://

Time / milliseconds

Notify to reply:



... worst case notify to reply latency ... 180ms (from 50ms ping)





The image is a promotional collage for the Collabora Office app, showing three different views of the application on a smartphone interface. The background is a dark blue gradient with a large white arrow pointing right.

Left Screen (Home Screen): The app title "Collabora Office" is at the top. Below it is a search bar. There are four document thumbnails: "SEO-Dashboard-v4" (16/02/2020), "Loading..." (100%), "Template PPT_92_2004" (14/02/2020), and "BootcampInAnkara" (14/02/2020). A red status bar is at the bottom.

Middle Screen (Spreadsheet View): The app title "Collabora Office" is at the top. Below it is a search bar. There are four document thumbnails: "SEO-Dashboard-v4" (16/02/2020), "Loading..." (100%), "Template PPT_92_2004" (14/02/2020), and "BootcampInAnkara" (14/02/2020). A red status bar is at the bottom.

Right Screen (Document View): The app title "Collabora Office" is at the top. Below it is a search bar. There are four document thumbnails: "SEO-Dashboard-v4" (16/02/2020), "Loading..." (100%), "Template PPT_92_2004" (14/02/2020), and "BootcampInAnkara" (14/02/2020). A red status bar is at the bottom.

With Collabora Online, your
powerful **OFFICE**
Source code. **OFFICE**
excellent support for all pro



Collabora Productivity
Collabora Online v 4.0

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 120 million users. Collabora, a leading contributor to the project, and developer of the enterprise-ready Long Term Supported edition of LibreOffice, 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.

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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.

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Character

Paragraph

Default Style

Font Name
Karla

Font Size
12

Character

Paragraph

Background Color

Spacing:

Highlight Color

☐ No color

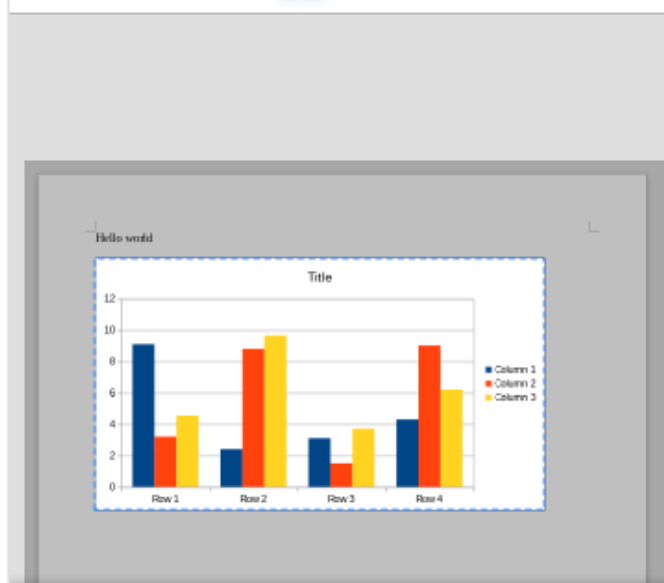
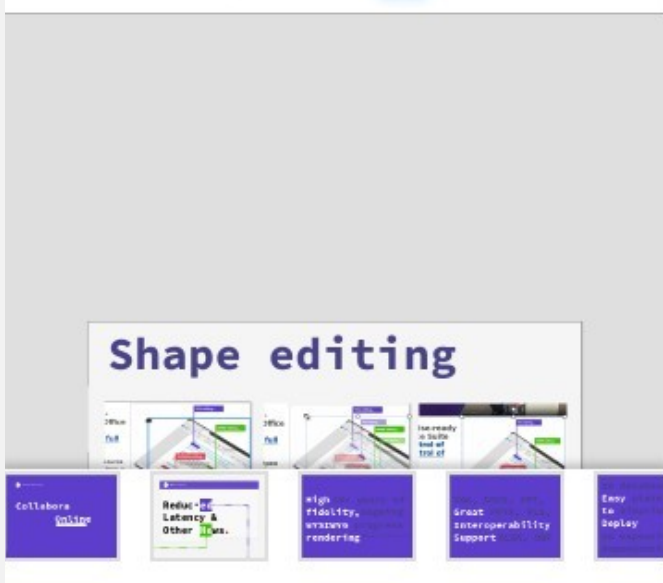


Chart Type

Chart Type:

Column

3D Look ☐



Slide Layouts

Slide

Layouts



Slide Format

Slide

Layouts

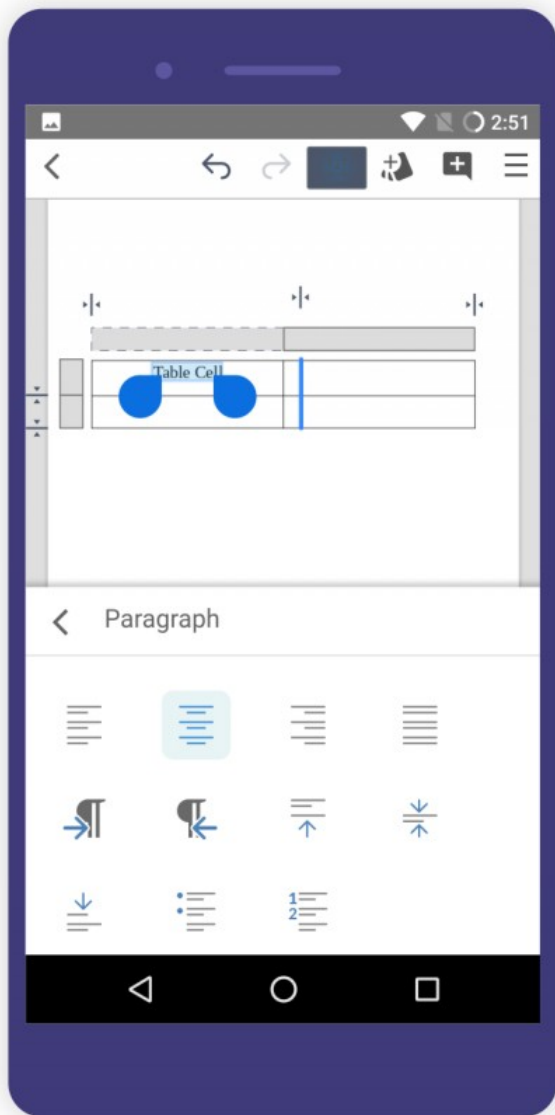
Format:

Screen 4:3

Orientation:

Landscape

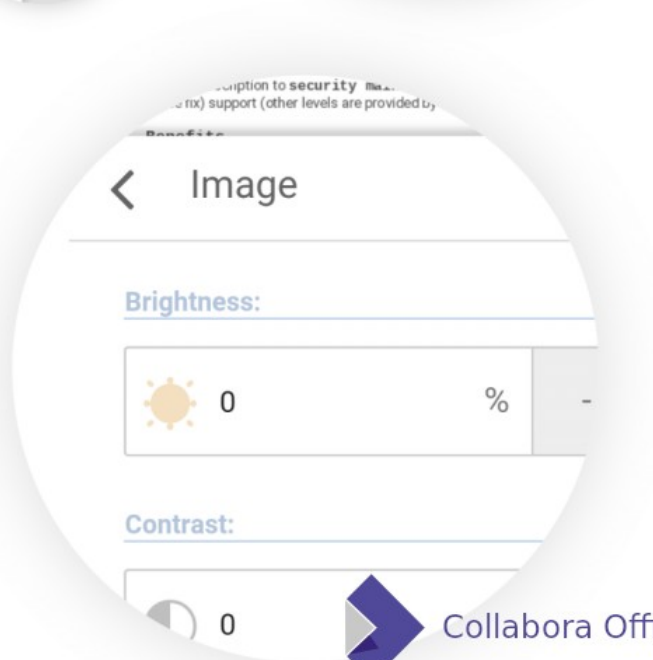
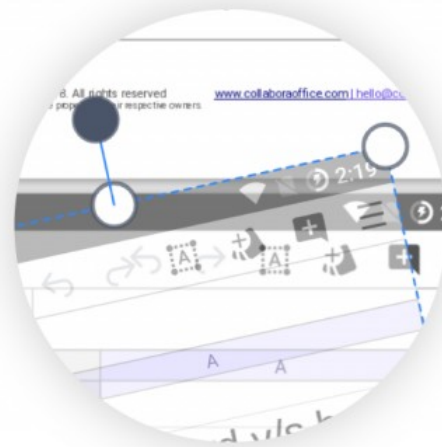
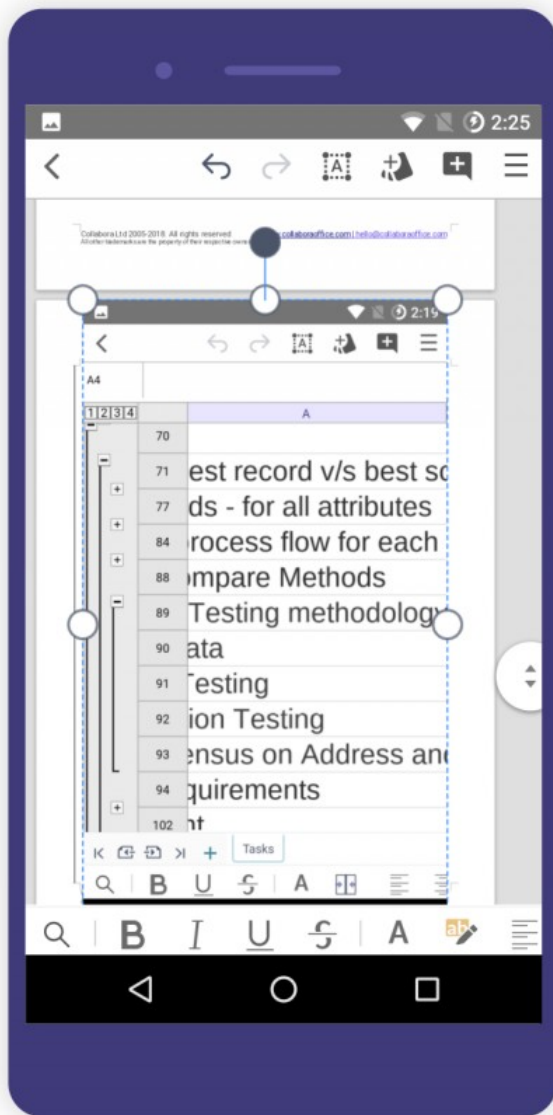
Background:



Collabora Office



collabora or



Collabora Office



Download as



File >






Download as >

Edit >

Track Changes >

View >

 About

-  PDF Document (.pdf)
-  ODF text document (.odt)
-  Word 2003 Document (.doc)
-  Word Document (.docx)
-  Rich Text (.rtf)




Seg

1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l

↑ z x c v b n m ↵

Sym  English(US) . Go



Off-line editing with Nextcloud & Collabora too.

19:10

← Demo

A - Z

Collabora Online.odt
982 KB • 8 minutes ago

presentation.pptx
392 KB • 8 minutes ago

SEO-Dashboard.xlsx
133 KB • 8 minutes ago

3 files



19:16

Collabora Productivity

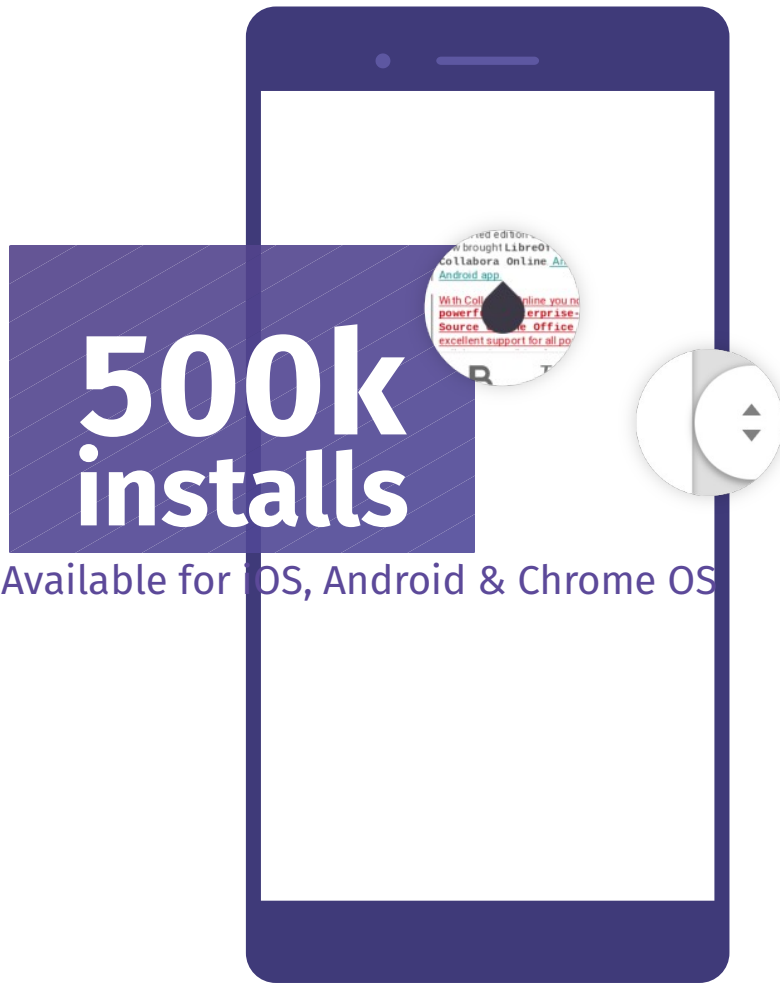
Collabora Online 4.2

Collabora Online 4.2: 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.

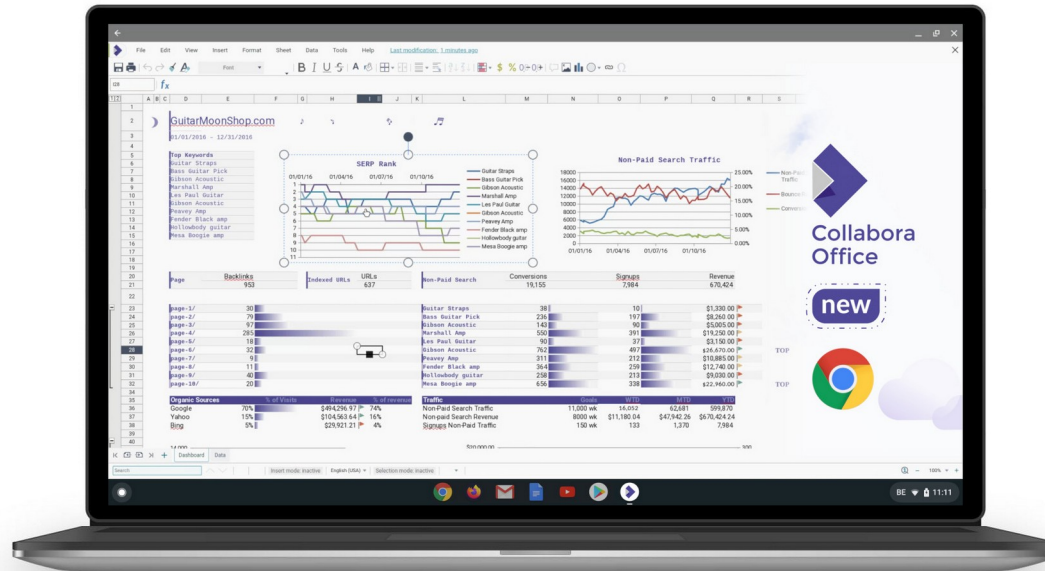
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ChromeBooks:



- Collabora Office_DemoDocs - to be finished

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

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.

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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:

COLUMNS

Settings

Columns: 1

Apply to: Page

Width and Spacing

Column: 1

Width: 1

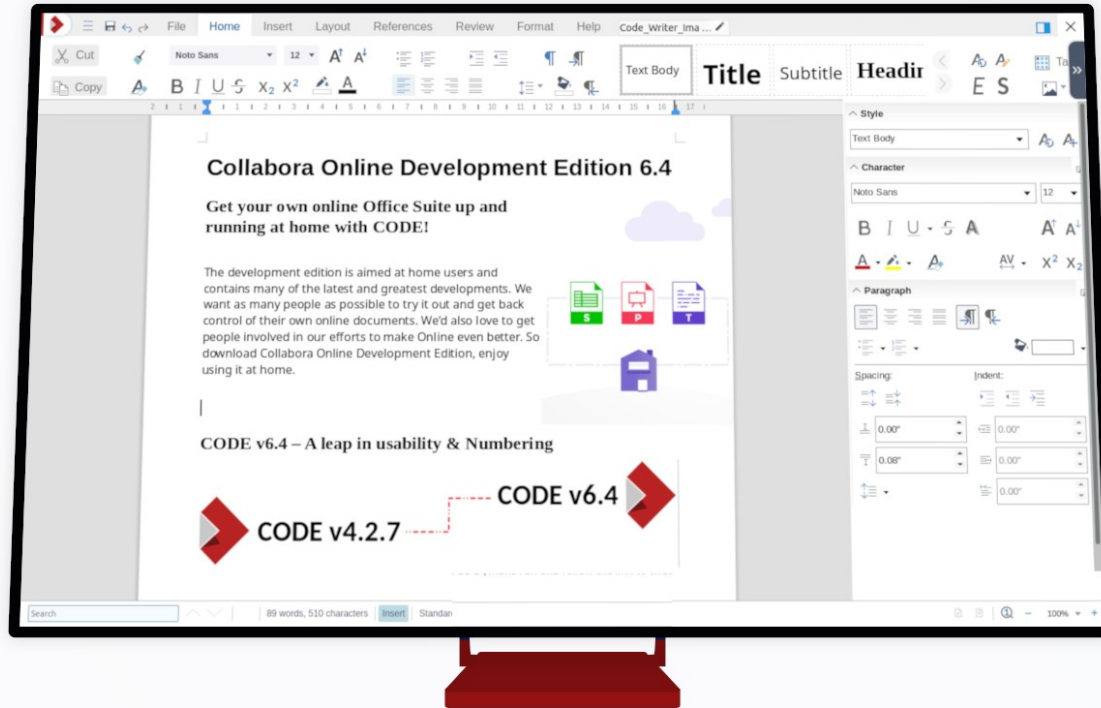
Spacing: 1

Separator Line

Type: None

Width: 0.25 pt

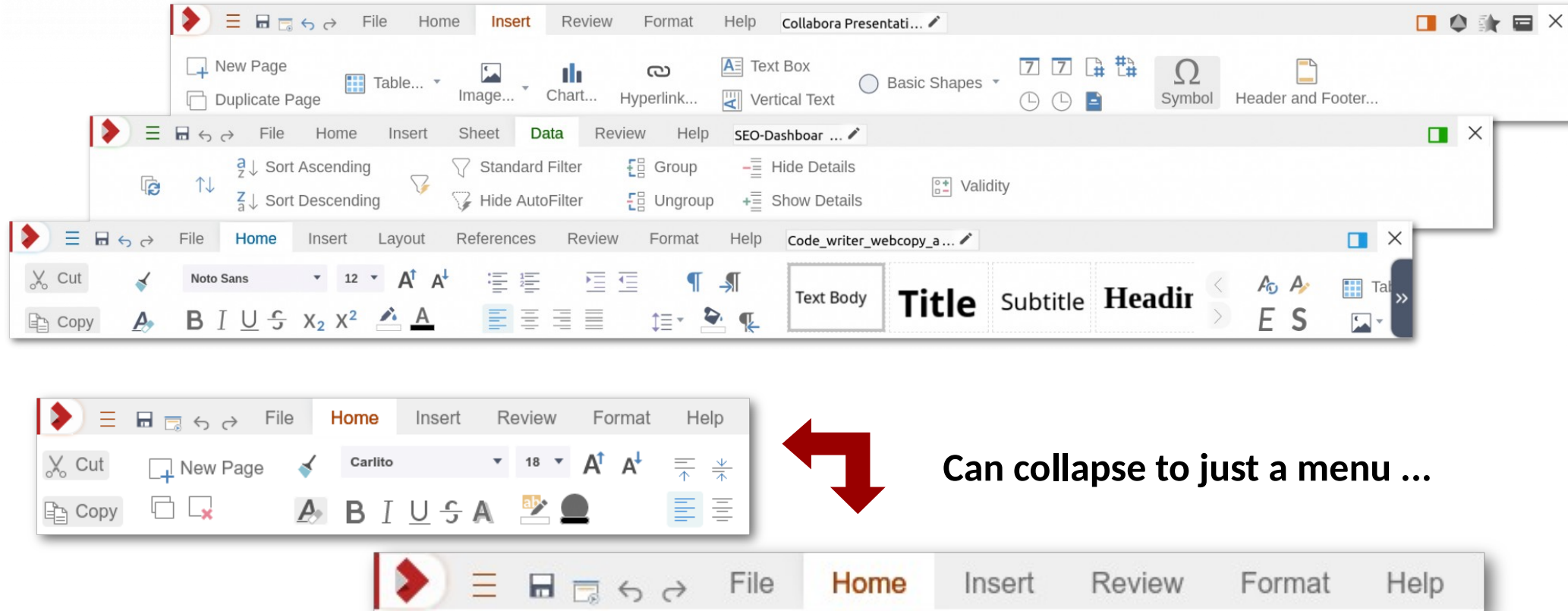
Coming ~now: CODE 6.4.0



A version leap: cf. openSUSE



Eclectic Notebookbar UX choices: to taste





Classic mode retained: configurable & default ...

File Edit View Insert Format Table Tools Help [Last modification: 1 minutes ago](#) Collabora Online.d...

Default ... Montserrat 22 B I U S A

Collabora Productivity

Collabora Online Development Edition / CODE 6.4

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.

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Collabora Online comes with Long Term Support and

you editing...
jane editing...
THOMAS editing...

jane
Thu, Apr 27, 2017
Can we add the version number here too?

Emily
Thu, Apr 27, 2017
Insert "With Col...atures."

Style
Default Style

Character
Montserrat 22
B I U S A

Paragraph
Spacing: 0.00" Indent: 0.00"

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

G34 $f_x \sum = 3$

	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	3	4	9	15
36	01/08/16	2		4	3	4	9	14
37	08/08/16	2		4	3	4	9	14
38	15/08/16	2		4	3	4	9	14
39	22/08/16	2		4	3	4	9	14
40	29/08/16	2		4	3	4	9	14
41	05/09/16	2		4	3	4	9	14
42	12/09/16	2		4	3	4	9	14
43	19/09/16	2		5	3	4	9	14
44	26/09/16	2		5	3	4	9	14
45	03/10/16	2		5	3	4	10	14
46	10/10/16	2		5	3	4	10	13
47	10/10/16	1		6	2	5	10	13
48								
49								
50								
51								

Style

Default

Character

Calibri 11

Number Format

General 0.00

Decimal places: 2 Leading zeroes: 1

☐ Negative numbers in red

☐ Thousands separator

Alignment

0 pt

Text orientation: 0°

Freeze Rows / NotebookBar / SmartArt

- 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

Import SmartArt Graphics in
Collabora Online 6.4

a	•b
	•c
X	•y
	•z
empty	



Import SmartArt Graphics in Collabora Online 6.4

a	•b
	•c
X	•y
	•z
empty	

Slide

Format: User

Orientation: Landscape

Background: None













Master Slide: Title Slide

☒ Master Background

☒ Master Objects

Master View

Layouts



The pieces you can't see

Integration improvements

- Masses of new extensible API to embed Online into your application
- WOPI-like Locking implementation

Performance

- Loading time, dialog rendering time
- PDF search
- Unipoll – code simplification.

Security & Anonymization

- Anonymized logging
- 3rd party penetration testing

And much much more ...

UX integration:

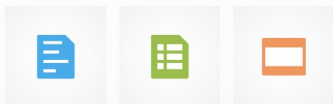
the next steps



Getting style guide: a how-to ...

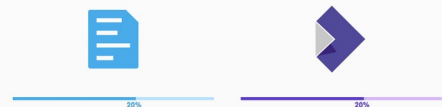
Documents

Document types



Loading...

Options



Colours

Neutral colours



Accent colours



Colour-coded tools



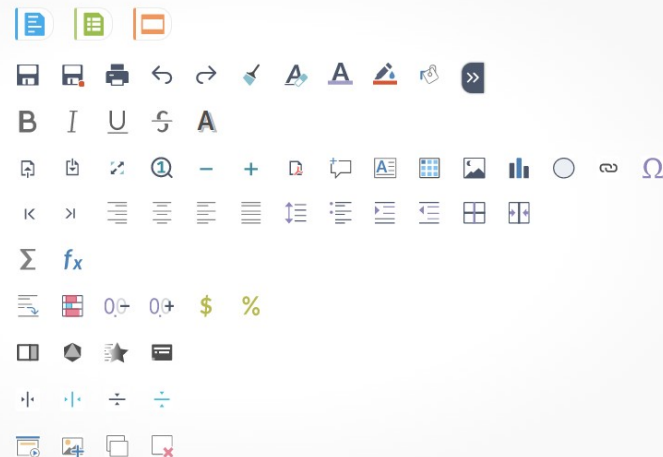
Typography

Sans-serif

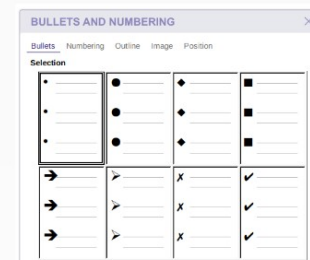
Sans-serif fonts with a variety of weights for each purpose.

Aa Bb Ww a abcdefghijklm
Aa Bb Ww nopqrstuvwxyz

Iconography



Dialog Windows





Integration / 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: 7 minutes ago Collabora Onlin ...

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

Text Body Vegur 10.5 B I U S A

Collabora Online

Welcome to the Collabora Online Demo

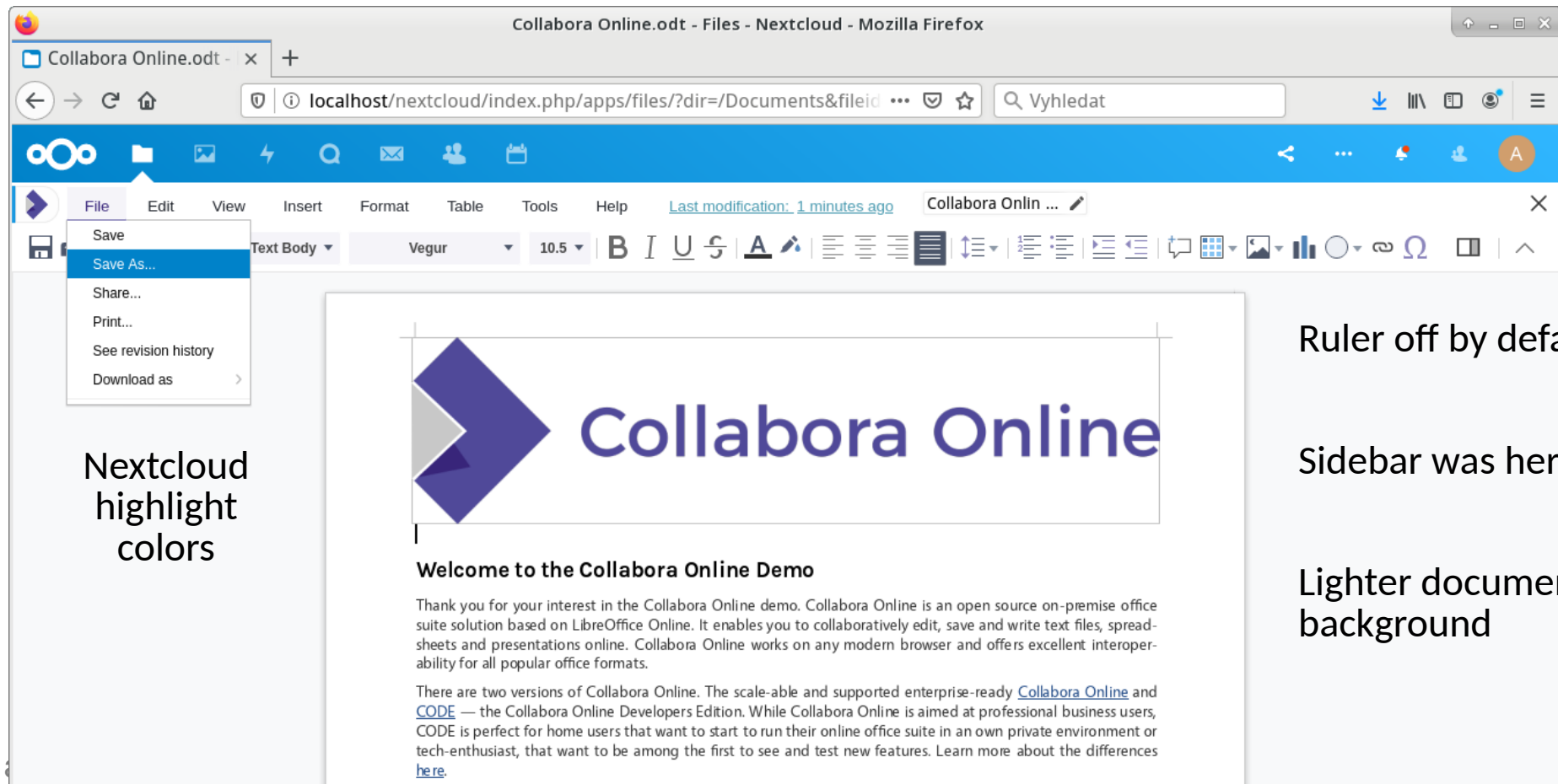
Thank you for your interest in the Collabora Online demo. Collabora Online is an open source on-premise office suite solution based on LibreOffice Online. It enables you to collaboratively edit, save and write text files, spreadsheets and presentations online. Collabora Online works on any modern browser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

coll

Integration / 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

Collabora Online

Welcome to the Collabora Online Demo

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Ruler off by default

Sidebar was here ...

Lighter document background

Working with Nextcloud:



- Working cross-team, daily, thanks to:
Julius, Marino, Olivier, Roeland, Tobias,
Jan, Jos, Frank and more.

- Delivering for our joint customers

Product support & Professional Services.

- A *single* support partner with experts in Collabora Online
- No blame-game nightmares.

We provide Service Level Agreement & place to file tickets

- Buy through Nextcloud – a single provider.

collaboraonline.com

Collabora Productivity | Partner Portal

OVERVIEW TICKETS

PREFERENCES LOGOUT USER

WELCOME PARTNER

Latest news

- 2017/04/26 - Recordings LibreOffice talks from Collabora at ODSUG available
- 2017/04/26 - First African partner to offer Collabora Online
- 2017/04/26 - First African partner to offer Collabora Online
- 2017/04/26 - First African partner to offer Collabora Online
- 2017/04/26 - Collabora Online in Ubuntu solution for enterprises
- 2017/04/26 - Collabora Online available in rural Australia
- 2017/04/26 - Collabora Online available in rural Australia

Upcoming events

- 2017/04/26 - March 15-16, 2017 - Madrid, Spain
- 2017/04/26 - March 15-16, 2017 - Madrid, Spain
- 2017/04/26 - March 15-16, 2017 - Madrid, Spain
- 2017/04/26 - March 15-16, 2017 - Madrid, Spain
- 2017/04/26 - March 15-16, 2017 - Madrid, Spain
- 2017/04/26 - March 15-16, 2017 - Madrid, Spain
- 2017/04/26 - March 15-16, 2017 - Madrid, Spain

Your Customers

Name	Number of seats	L3 high priority	L3 medium priority	Subscription started	Switch to this customer	Edit this customer	Add a user to this customer company
Customer 1	10000	0	0	2016-01-01	Switch to customer	Edit customer	Add customer user
Customer 2	10000	0	0	2016-01-01	Switch to customer	Edit customer	Add customer user

[x] Add customer company

Collabora Online

Linux update repositories (R4-31)

Your second URL, please see: [https://www.collabora.com/news-and-blog/press-releases/2017-04-26-collabora-online-in-ubuntu-solution-for-enterprises.html](#)

We at Collabora are happy to help you through installation and configuration issues. Before asking a technical question by email (link in the "Quick links" tab), we recommend to check out the Collabora Online installation guide that you can find in the Technical Documentation tab below. Your feedback is welcome. We try to keep documentation up-to-date and accurate.

File type	Title	Size	Date
	Collabora Online Technical Documentation.pdf	5.07Kb	24/02/2017
	Integration of Collabora Online using the WORM Protocol.pdf	149Kb	17/06/2016

Collabora Office

Linux update repositories

Your second URL, please see: [https://www.collabora.com/news-and-blog/press-releases/2017-04-26-collabora-online-in-ubuntu-solution-for-enterprises.html](#)

For details, please read the installation guide, which you can find in the Technical Documentation tab below.

File type	Title	Size	Date
	Collabora Office FAQ.pdf	239Kb	02/11/2015
	Collabora Office - Choosing Support 1067x800.jpg	1.19Mb	20/12/2015
	Collabora Office - Choosing Support 1067x800.jpg	699Kb	05/01/2016
	Collabora Office at Product floor.pdf	1.79Mb	07/06/2016
	Collabora Office Dashboard.pdf	1.89Mb	07/06/2016

Your Downloads

Product	Version	Platforms	Release Date	Size	Package format
Collabora Office Patch	5.1.9	Windows	2017-03-13	323Kb	MSI
Collabora Office	5.1.9	Mac OS X	2016-08-24	28.04Mb	DMG
Collabora Office	5.1.9	Linux 64-bit	2016-10-13	22.75Mb	DEB
Collabora Office	5.1.9	Linux 64-bit	2016-10-13	22.75Mb	RPM

Collabora DevOffice

Your Downloads

Product	Version	Platforms	Release Date	Size	Package format
Collabora DevOffice Patch	5.1.21	Windows	2017-03-13	4.35Mb	MSI
Collabora DevOffice	5.1.9	Windows	2016-08-24	13.05Mb	MSI
Collabora DevOffice Help Packs	5.1.9	Windows	2016-08-24	1.1Mb	MSI

(some of) the awesome
team serving you.

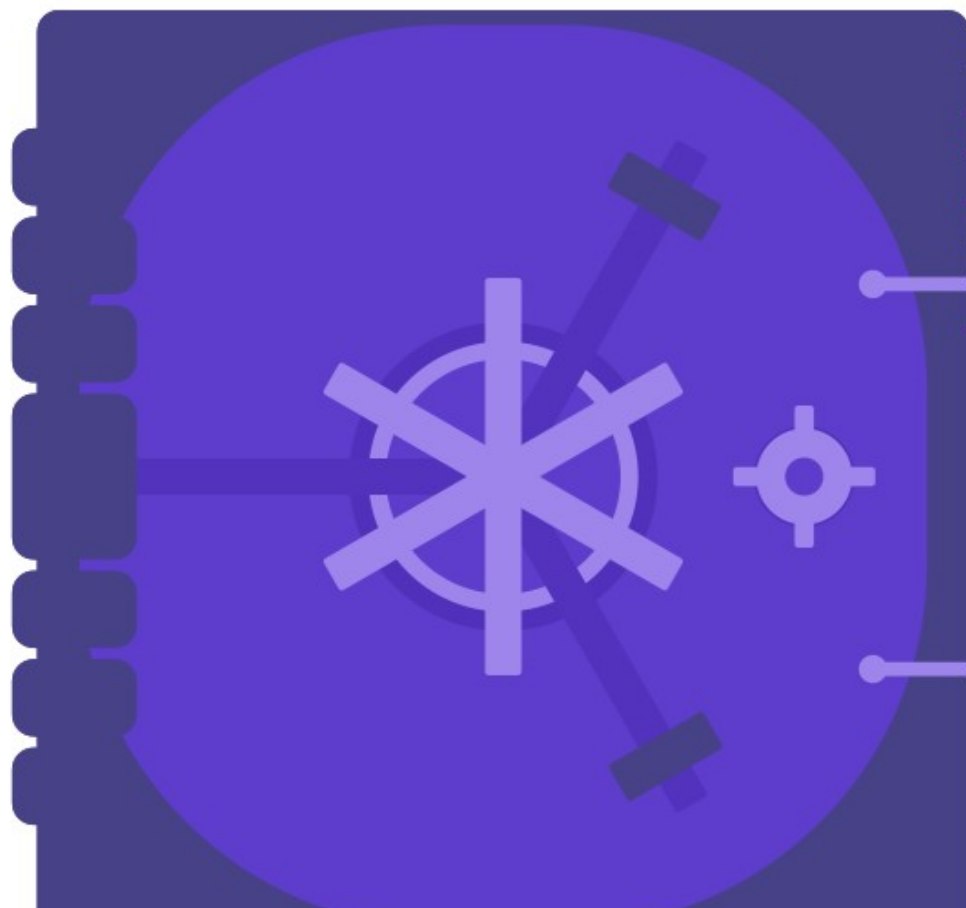


Privacy & Security



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.

It stays there.

Posts pixels to the authenticated.

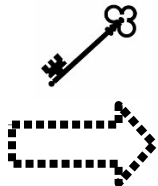
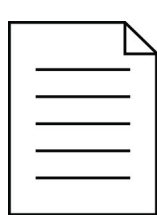


Microsoft's Digital Rights Management

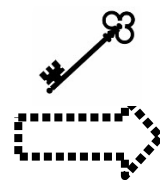
How can we show people a document, and control their access: ?

- eg. disable copy/paste, print, save-as, control views etc.

Step 1: encrypt the document

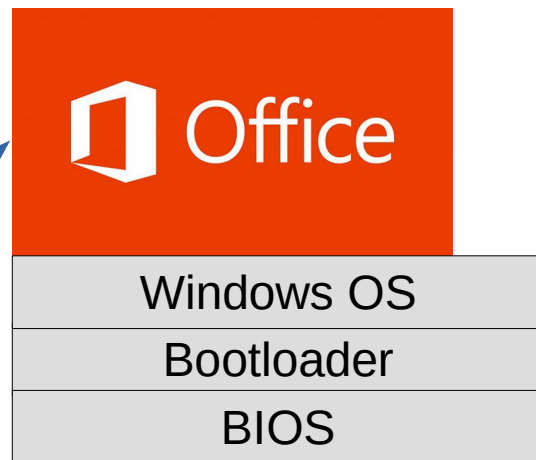
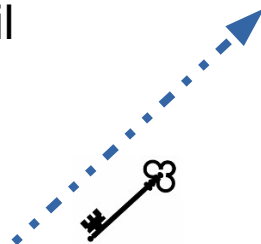


Step 3: mail
it

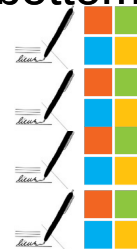


Step 4: check
system and **app**
is fully **signed**,
and policy is ok
&
Decrypt
document.

Step 2: send the key to Azure

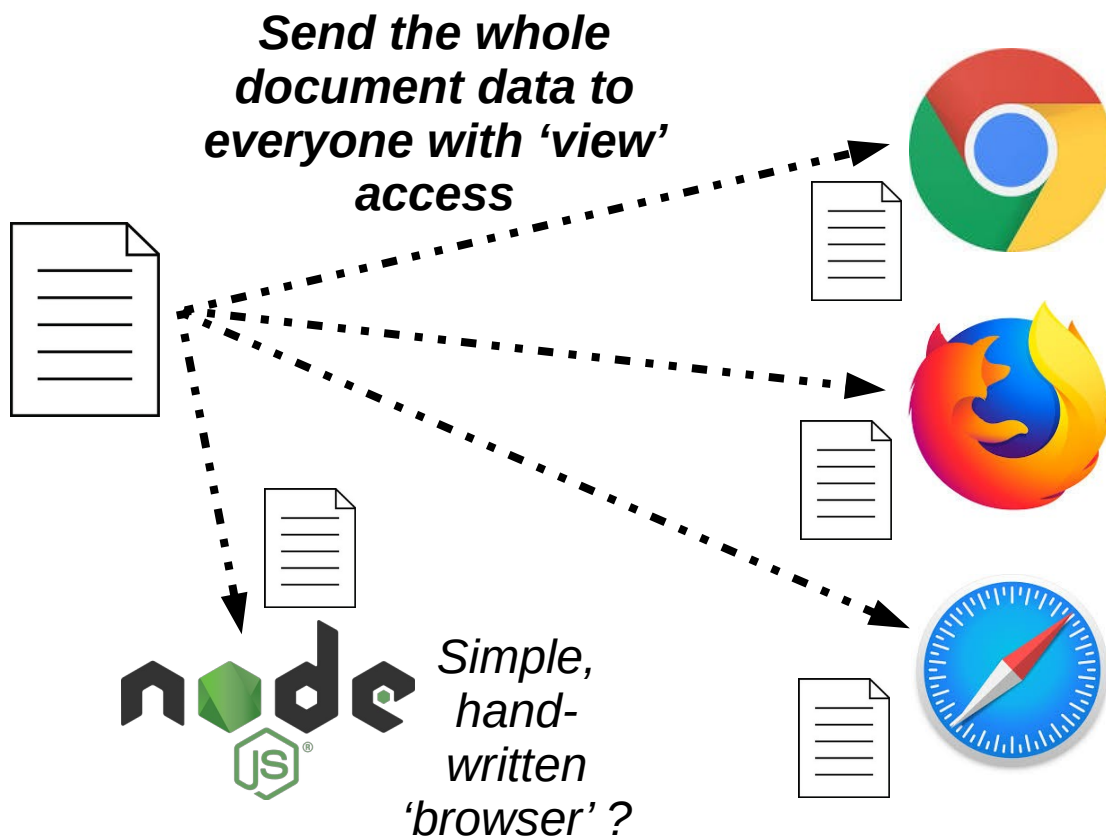


MS sign /
revoke from
bottom up





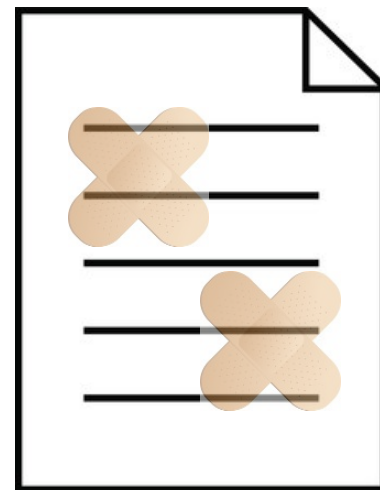
How not to do it: (but oddly popular)



*Render whole document data using HTML5 in **Javascript**, press F12 to debug **policy enforcement***



Apply watermark on top.





Real Secure View: send only watermarked pixels ...

Secure view settings

Secure view enables you to secure documents by embedding a watermark

☒ Enable watermarking

Watermark text

Supported placeholders: {userId}, {date}

☐ Show watermark on tagged files

☐ Show watermark for users of groups

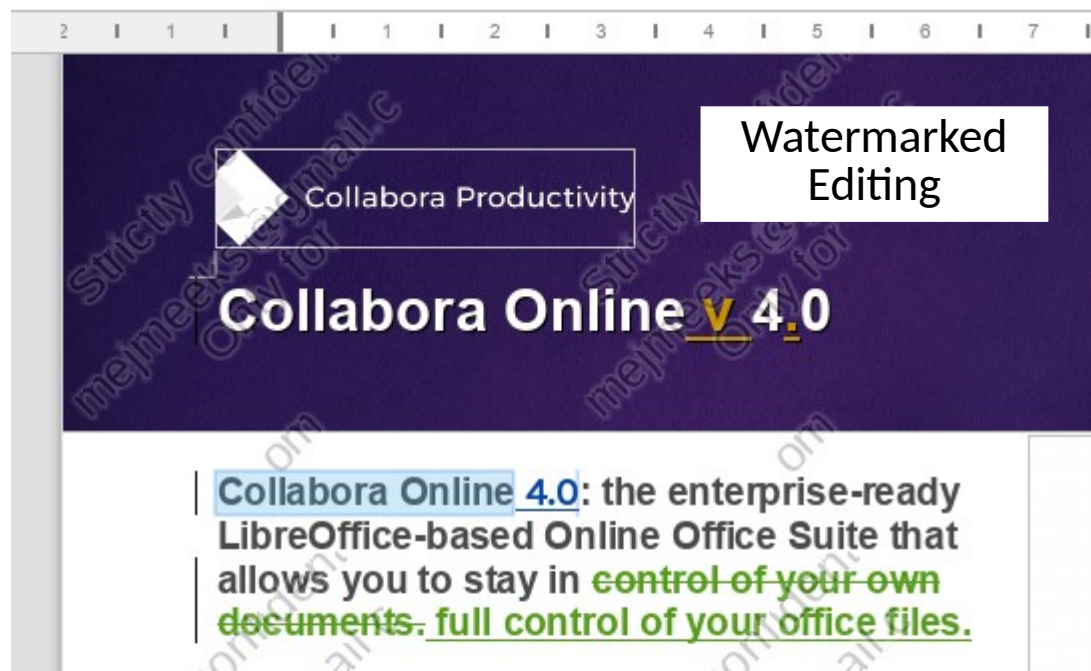
☐ Show watermark for all shares

☐ Show watermark for read only shares

Link shares

☐ Show watermark for all link shares

Simple, Elegant, Federated
No central points of failure:
corporate or technical



Collabora and LibreOffice



An awesome community of friends.
(who still disagree sometimes)

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 needs a warning on limits.

Access to more developers

Continue to support, work on LibreOffice

Similar to Nextcloud

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

FLOSS companies own cash + their brands

- ROI is important → in marketing.

Make Open Source ROCK





Thank you!

By Michael Meeks

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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, lead, or engraved in rock for ever! I know that my Redeemer lives, and that in the end he will stand upon the earth 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 another. How my heart yearns within me. - Job 19: 23-27