# Collabora Online & Nextcloud

By Michael Meeks General Manager, Collabora Productivity

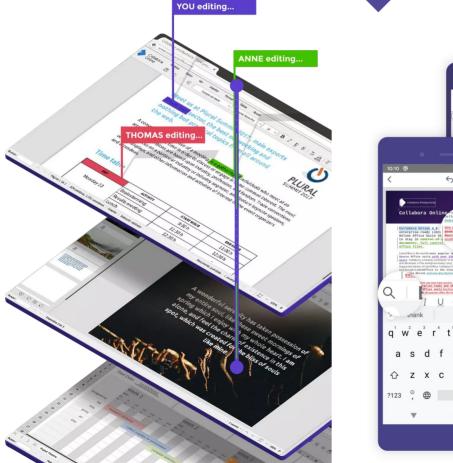
@mmeeks @CollaboraOffice

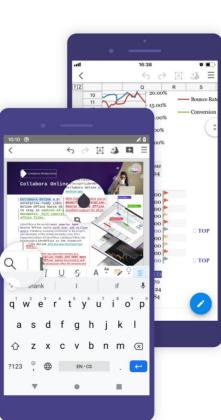
"Stand at the crossroads and look; ask for the ancient paths, ask where the good way is, and walk in it, and you will find rest for your souls..." -Jeremiah 6:16 Collabora Productivity

NEXTCLOUD 2020

**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

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 <u>Quick tryout with Nextcloud docker</u>.

## **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

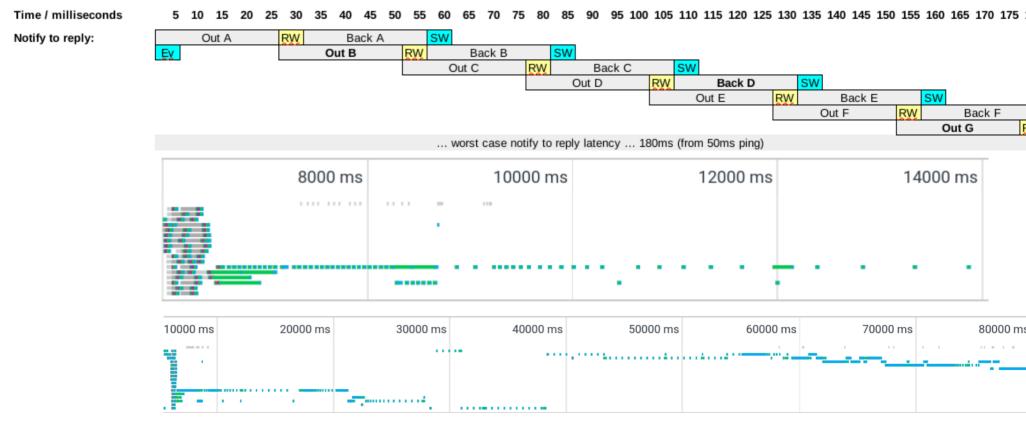
Collabora Online requires a seperate server acting as a WOPI-like Client to provide editing ca

#### 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://

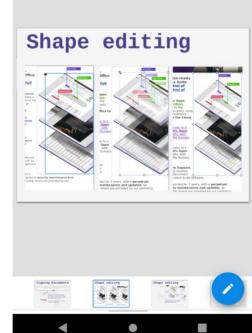




## **Completely re-written mobile UX: one-handed use**

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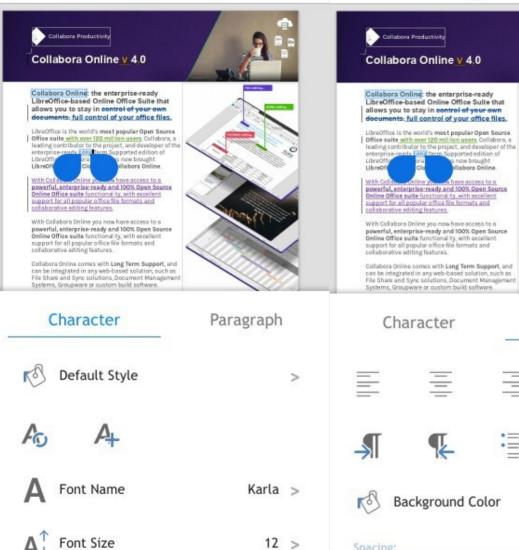


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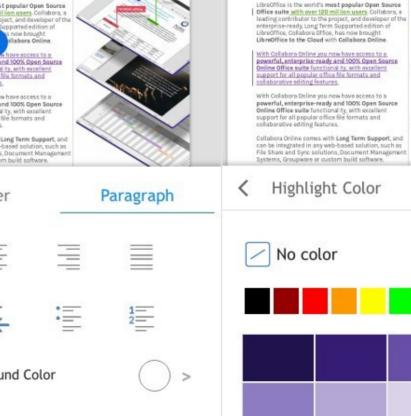
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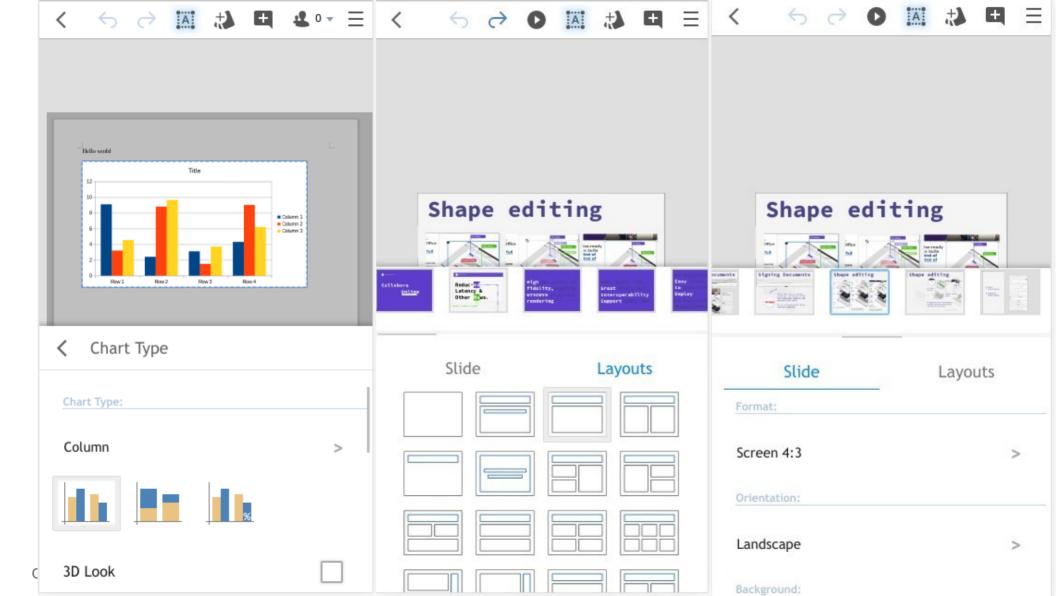


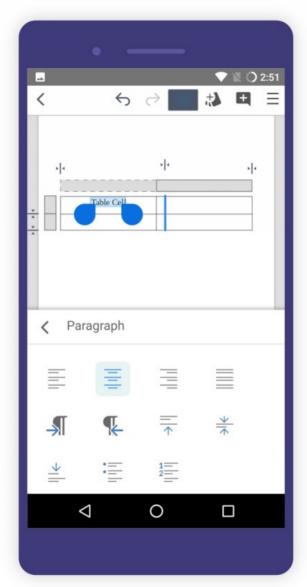
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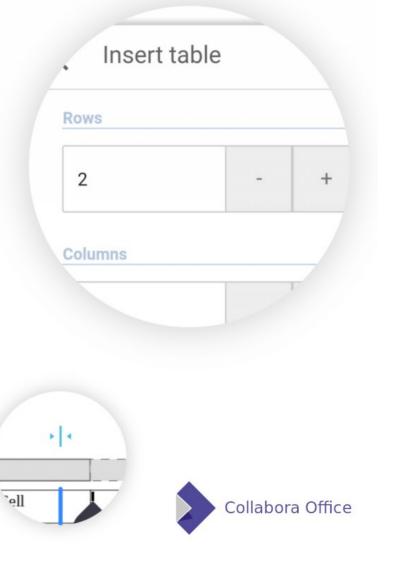
Collabora Online v 4.0

abora Online: the enterprise-ready

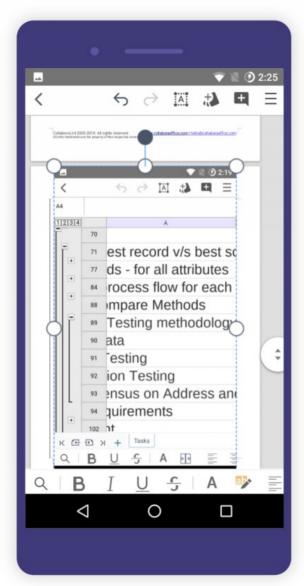


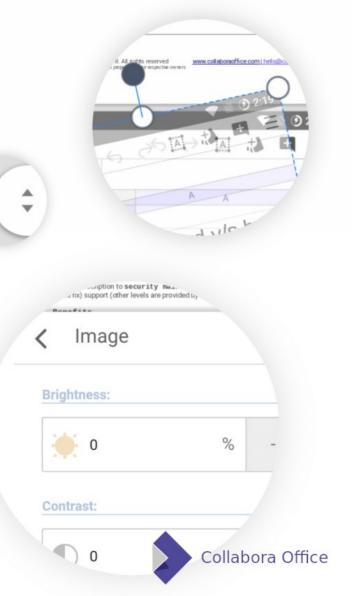






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### **Off-line editing with Nextcloud & Collabora too.**

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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.

With <u>Collabora</u> 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



## **ChromeBooks:**



#### Nextcloud (wget@ collabora.com) > Productivity > Marketing > Products > Demo\_Test\_Docs > Collabora Office\_DemoDocs - to be finished

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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 benefite

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## Coming ~now: CODE 6.4.0

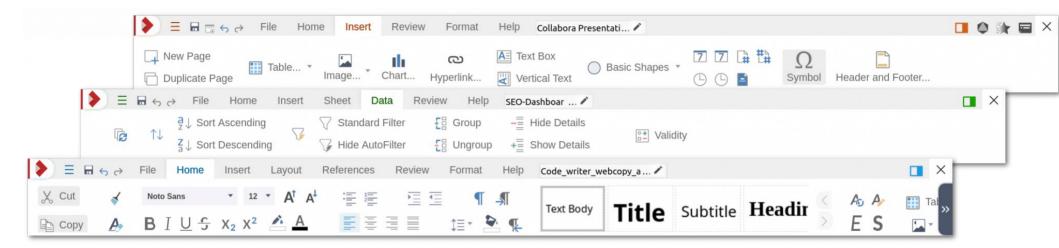


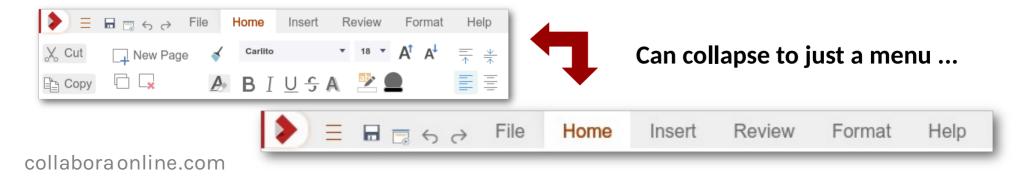
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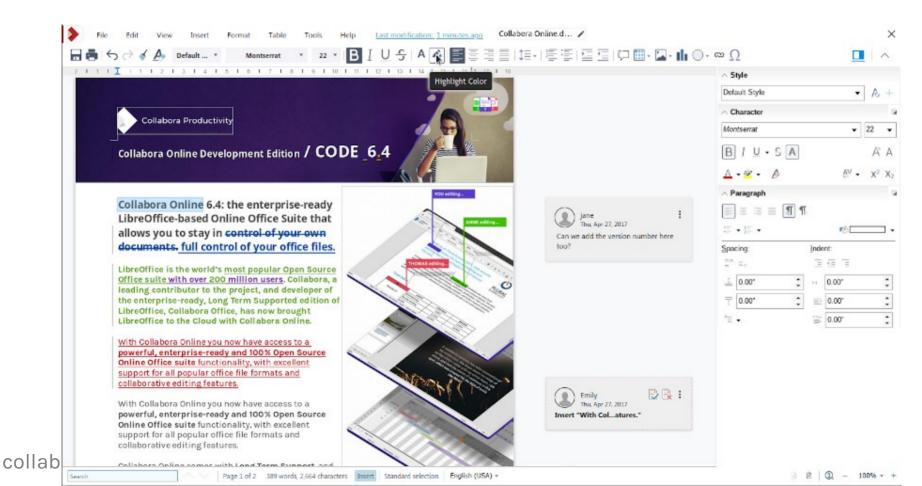


### **Eclectic Notebookbar UX choices: to taste**

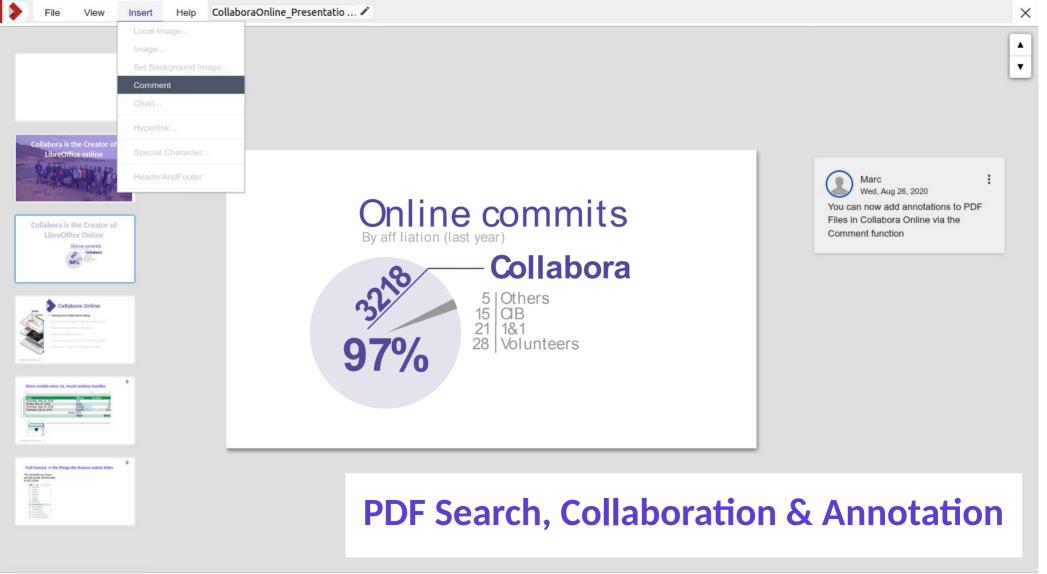




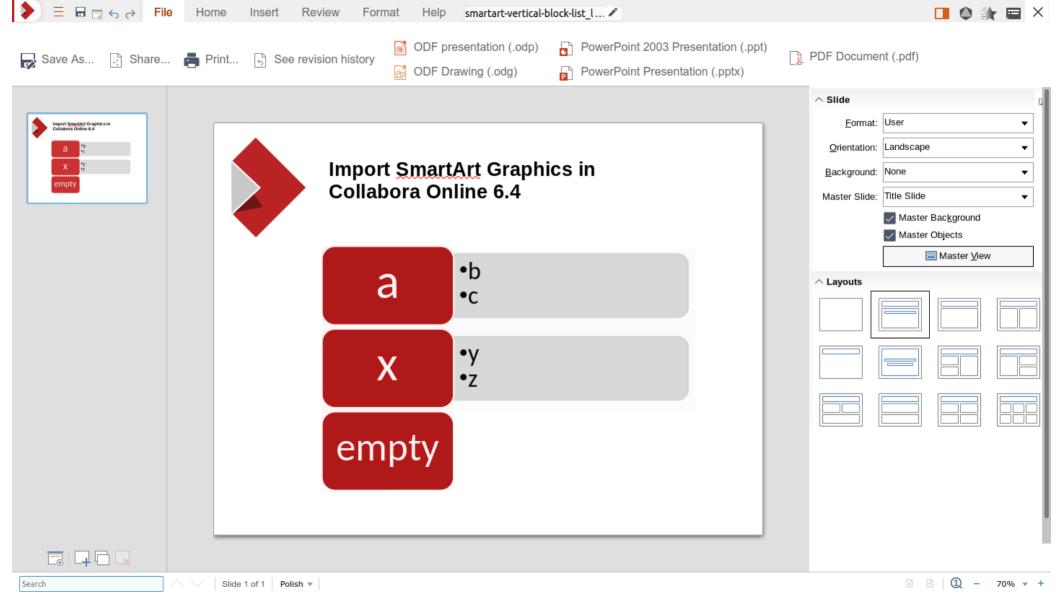
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## The pieces you can't see

#### 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

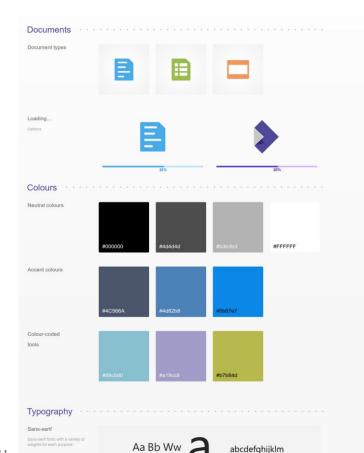
- Anonymized logging
- 3<sup>rd</sup> party penetration testing

#### And much much more ...



## UX integration: the next steps

### Getting style guide: a how-to ...



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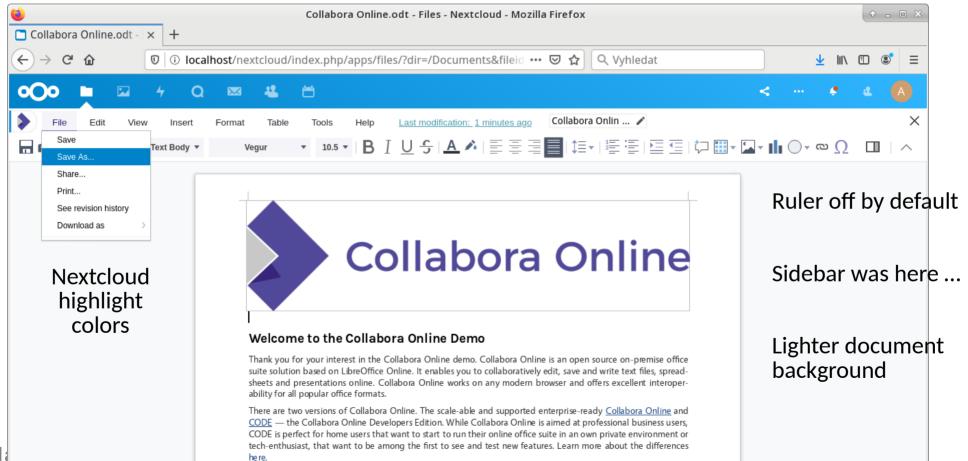
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## Integration / theming / palette & settings ...

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## Integration / theming / palette & settings ...



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## Working with Nextcloud:

## A seamless Nextcloud partnership

#### Nextcloud - an awesome partner

- 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. collabora online.com

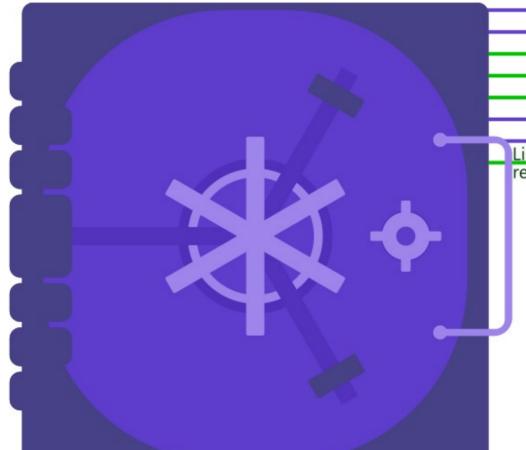
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## (some of) the awesome team serving you.

C

**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.

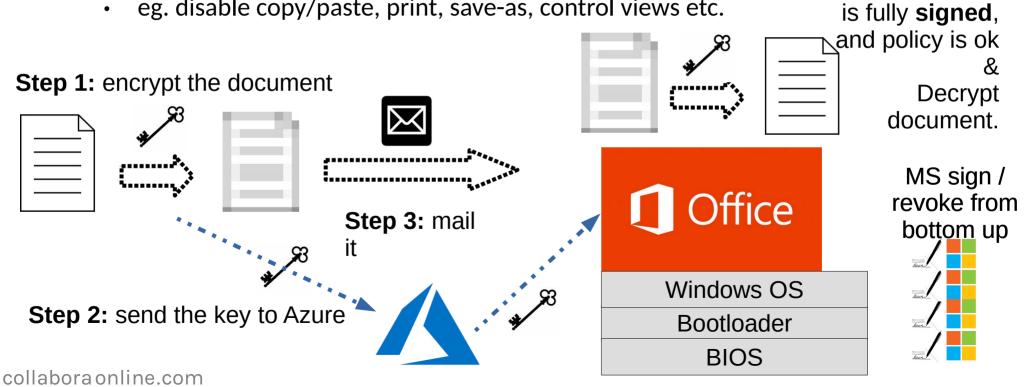
It stays there.

Posts pixels to the authenticated.

### **Microsoft's Digital Rights Management**

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

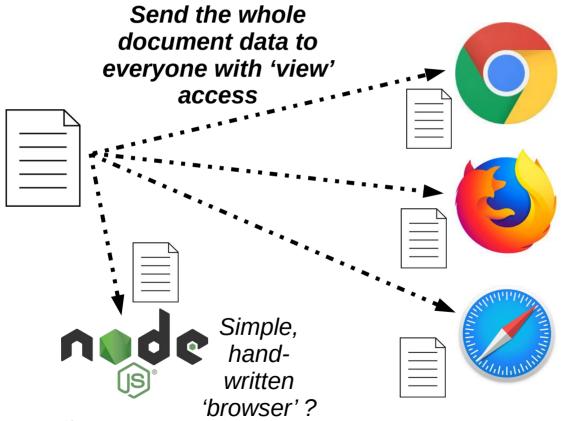
eg. disable copy/paste, print, save-as, control views etc. •



Step 4: check

system and app

### How not to do it: (but oddly popular)

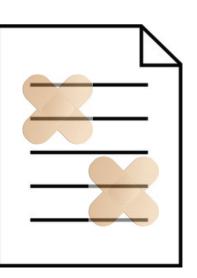


Render whole document data using HTML5 in **Javascript**, press F12 to debug **policy enforcement** 

HTML



Apply watermark on top.

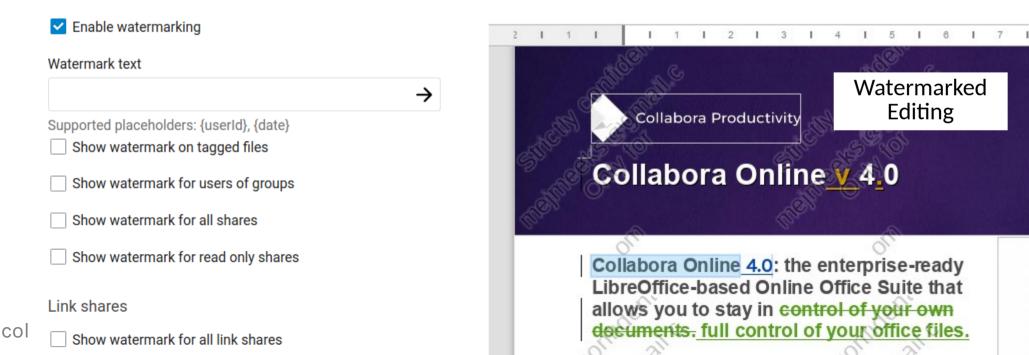


## Real Secure View: send only watermarked <u>pixels</u> ...

#### Secure view settings

Secure view enables you to secure documents by embedding a watermark

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



# Collabora and LibreOffice

An awesome community of friends.

1 4 8

()F OCON

LIBOCO

(who still disagree sometimes)

## Online commits

By aff liation (last year)

97%



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**

#### collabora online.com

#### 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  $\rightarrow$  in marketing.



## Make Open Source ROCK

productivity<sup>2</sup>

## Thank you!

### By Michael Meeks @mmeeks @CollaboraOffice CollaboraOffice.com CollaboraOffice.com/CODE michael.meeks@collabora.com

## 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