



Nextcloud

Nextcloud Office

On collaborating across FOSS projects

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FOSDEM 2025



Nextcloud

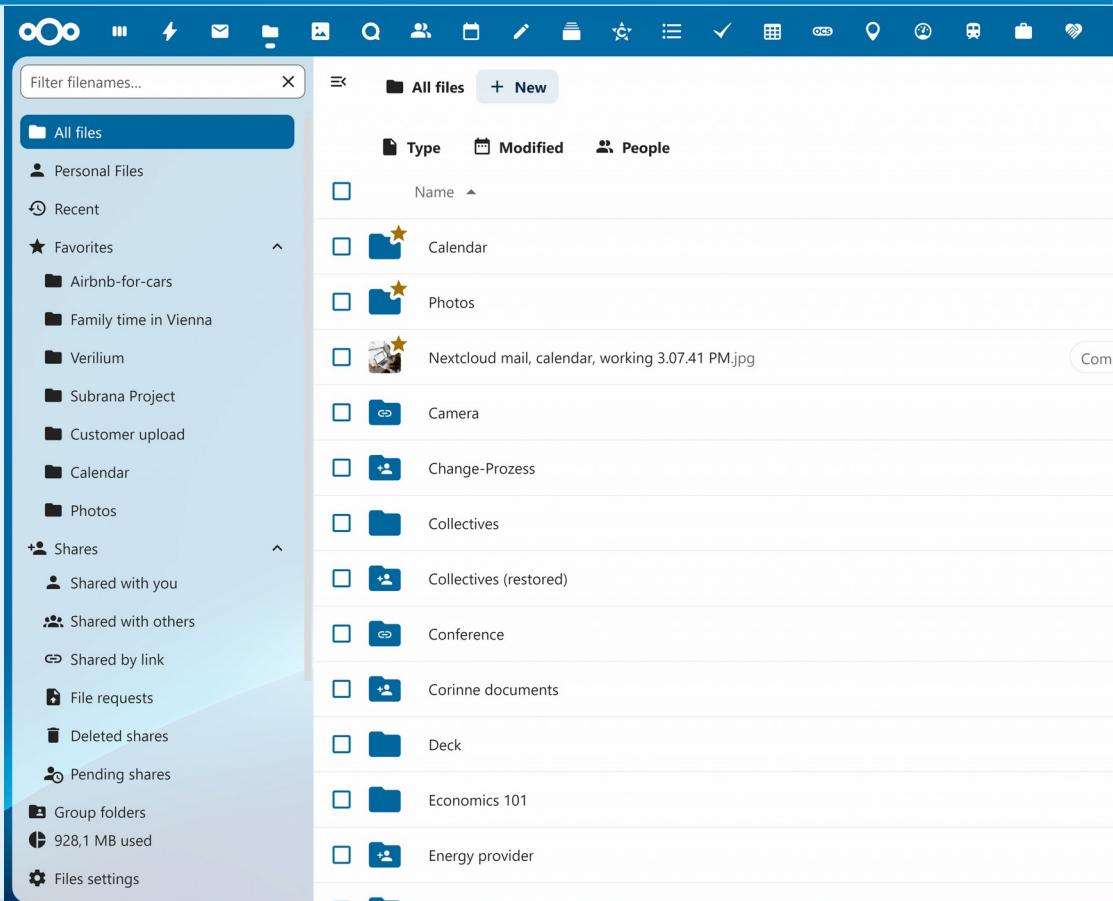
Free and open source
Enterprise Content collaboration platform

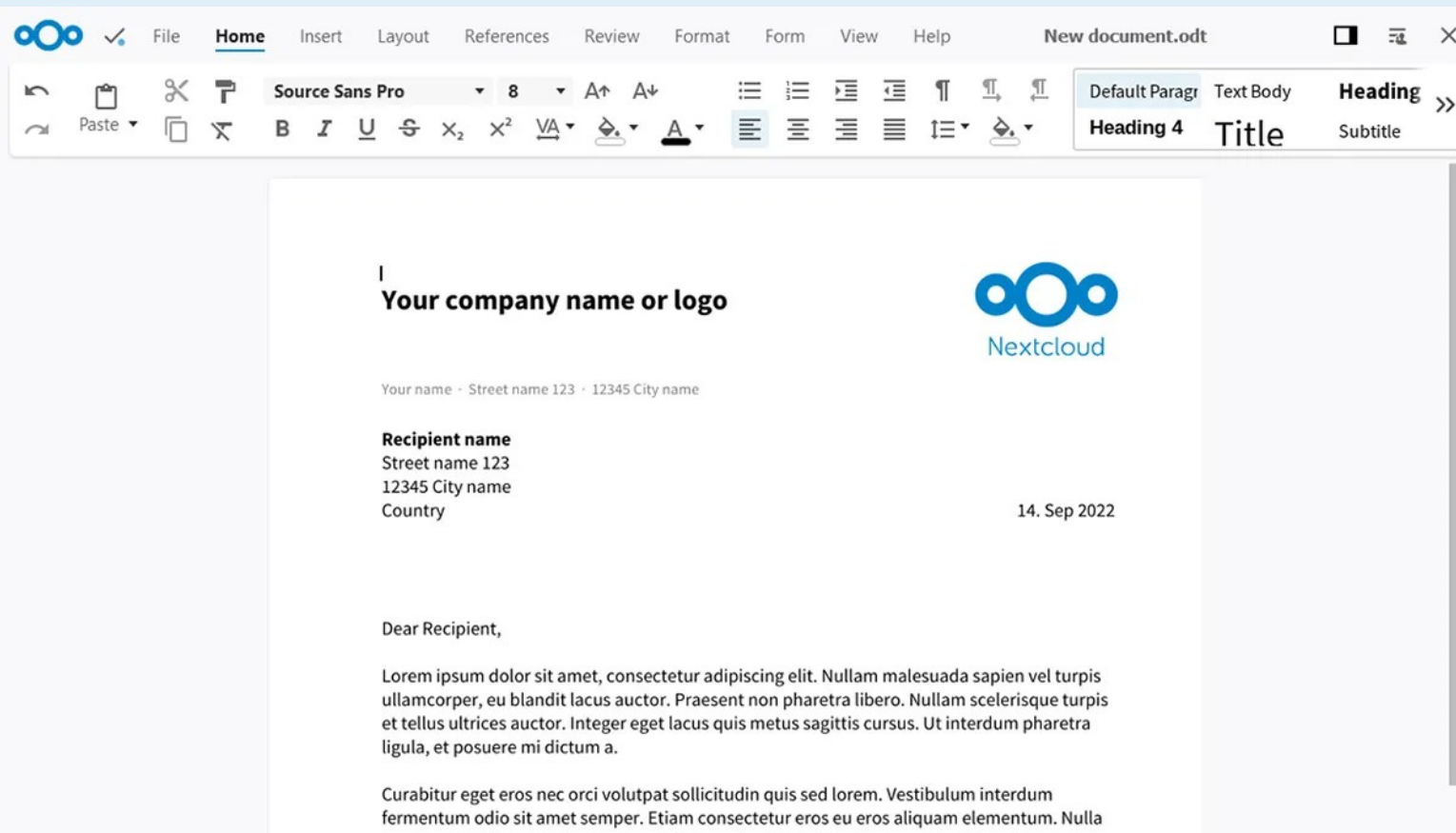
Nextcloud Files

Nextcloud Groupware

Nextcloud Talk

Nextcloud Office





The screenshot displays the Nextcloud Office interface. At the top, there is a ribbon menu with tabs for File, Home, Insert, Layout, References, Review, Format, Form, View, and Help. The current document is titled "New document.odt". The ribbon is set to the "Home" tab, showing options for font (Source Sans Pro, size 8), bold, italic, underline, strikethrough, and text color. The document content is a template for a letter or invoice, featuring the Nextcloud logo and the text "Your company name or logo". Below this, there is a placeholder for the recipient's name and address, followed by the date "14. Sep 2022". The main body of the document contains a salutation "Dear Recipient," and a paragraph of Lorem Ipsum text.

File **Home** Insert Layout References Review Format Form View Help New document.odt

Source Sans Pro 8 A↑ A↓

Paste


B I U \times_2 \times^2 VA

Default Paragr Text Body **Heading** >>

Heading 4 Title Subtitle

1

Your company name or logo



Your name · Street name 123 · 12345 City name

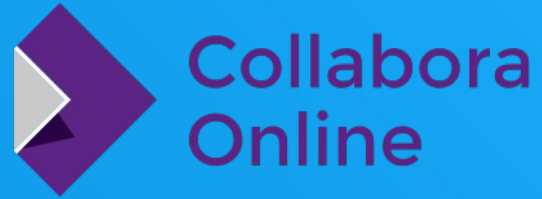
Recipient name
Street name 123
12345 City name
Country

14. Sep 2022

Dear Recipient,

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam malesuada sapien vel turpis ullamcorper, eu blandit lacus auctor. Praesent non pharetra libero. Nullam scelerisque turpis et tellus ultrices auctor. Integer eget lacus quis metus sagittis cursus. Ut interdum pharetra ligula, et posuere mi dictum a.

Curabitur eget eros nec orci volutpat sollicitudin quis sed lorem. Vestibulum interdum fermentum odio sit amet semper. Etiam consectetur eros eu eros aliquam elementum. Nulla

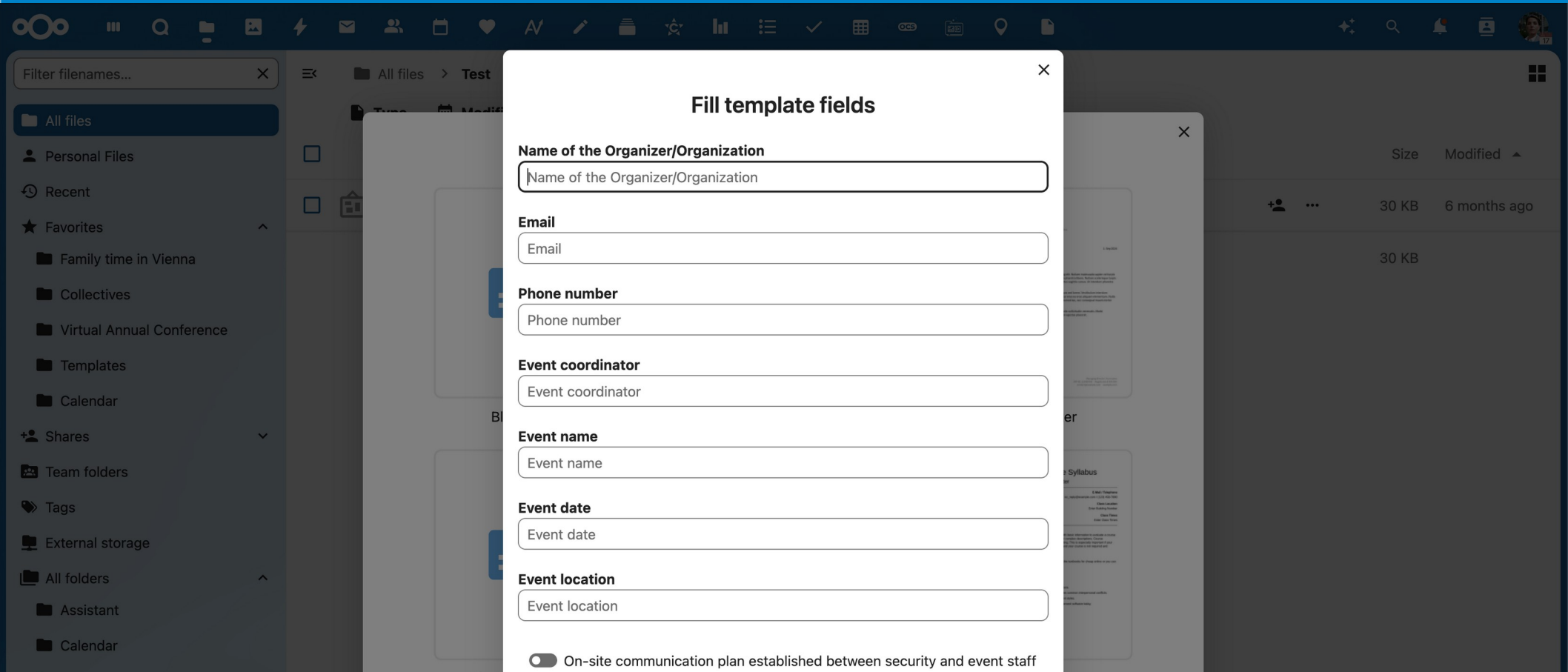




Extract / transform documents

- Most API work in core / online
- Possible to extract document structure and elements
- Allow transforming documents
 - Content controls (fill out forms)
 - Read/write chart data
 - Document properties
 - Presentation slides

Fill templates



The screenshot shows the Nextcloud web interface. A central dialog box titled "Fill template fields" is open, containing several input fields for event information. The background shows a file browser with a sidebar on the left and a file list on the right.

Fill template fields

Name of the Organizer/Organization

Email

Phone number

Event coordinator

Event name

Event date

Event location

On-site communication plan established between security and event staff

File List (Background):

	Size	Modified
+	30 KB	6 months ago
	30 KB	

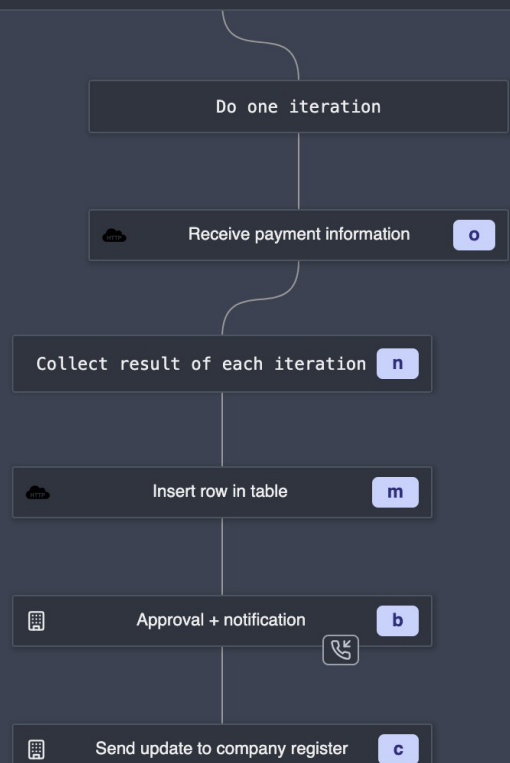


Windmill

De-register company

Fork

- nextcloud
- Favorites
- Search
- Home
- Runs
- Variables
- Resources
- Schedules



Saved inputs

Create confirmation PD

u/wapp_julien/send_a_notificati

Step Inputs

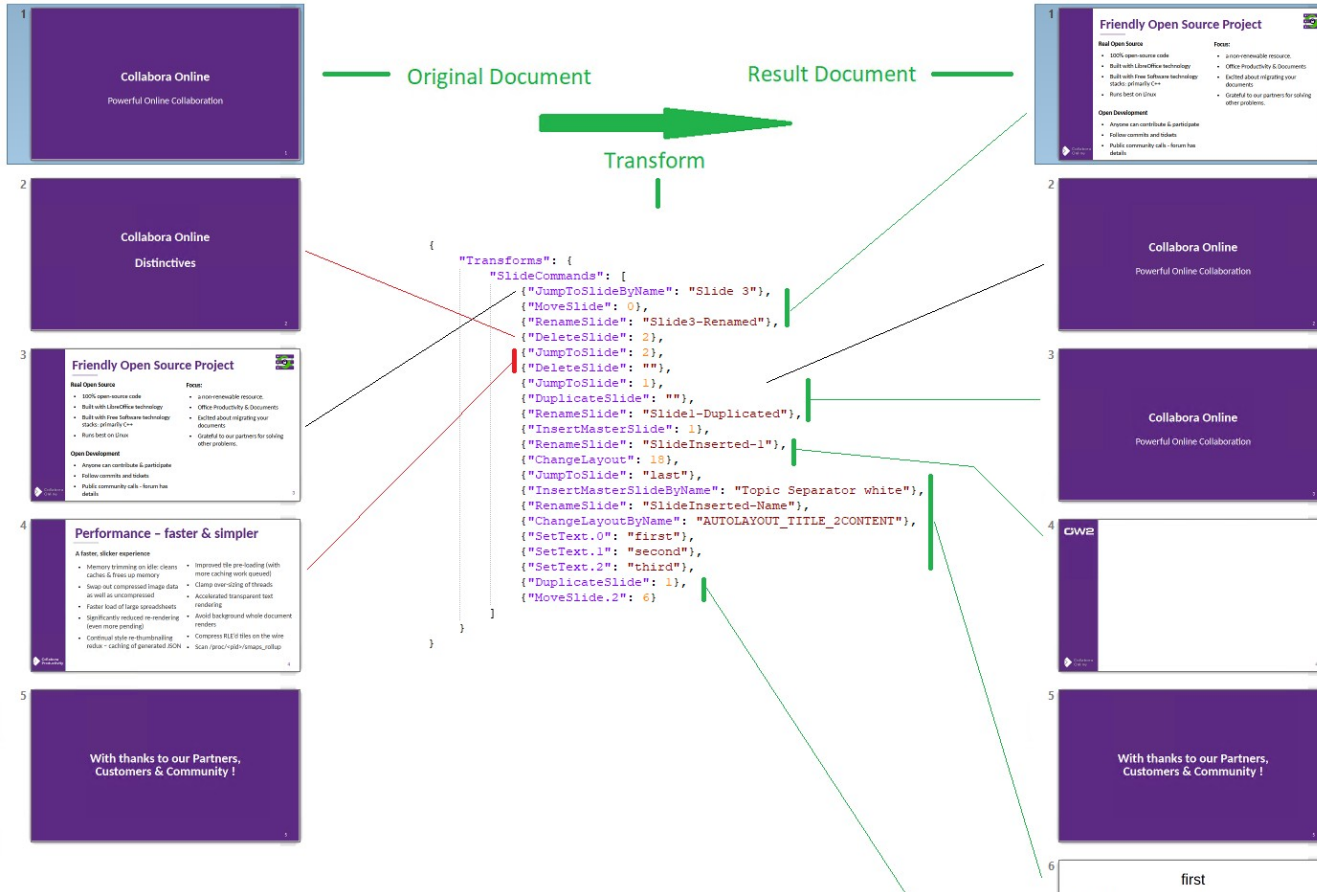
userId: julien
message: See it at: {link}
subject: `Your vacation request from \$a.questionId == 53).text) to \$a.questionId == 54).text) has
useAppApiAuth: true
messageParameters: link : -
id : 1
link : "https://
name : "requ
type : "highli
nextcloudResource: u/wapp_julien/app
subjectParameters: No items ([])
notificationUserId: results.e.submissio

```
import * as wmill from "npm:win  
import axios from "npm:axio
```

Transforming Slides

- Built as a command queue
- JumpToSlide / JumpToSlideByName
- InsertMasterSlide / InsertMasterSlideByName
- ChangeLayout for different Autolayouts
- SetText
- Some selected Uno commands

Transforming Slides





Extract / transform integration

- Exposing a HTTP API on both Collabora Online and Nextcloud
- Can be used to build further integrations and automation workflows
- Discussions on how we can extend this to further use cases



Nextcloud Assistant

flyer.odt

File Home **Insert** Layout References Review Format ForNextcloud Assistant

Page Break Insert Table Image Chart Shapes

Fontwork Formatting Mark QR and Bar Frame

Nextcloud Assistant

Chat with AI **Generate text** Context Chat Transcribe audio Translate Context write

Generate image Summarize Generate a headline Extract topics Reformulate text

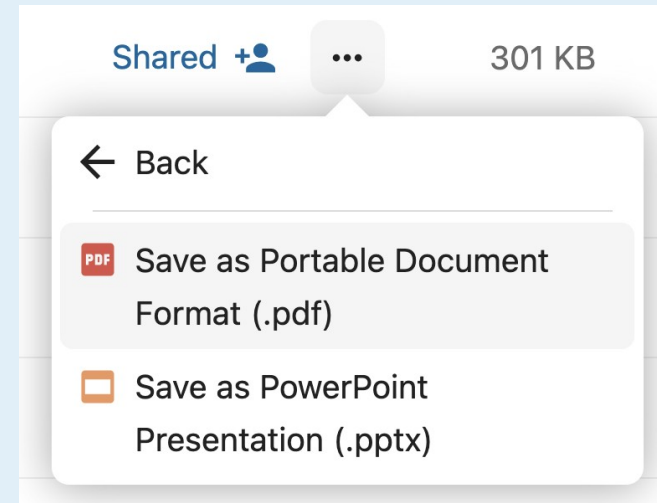
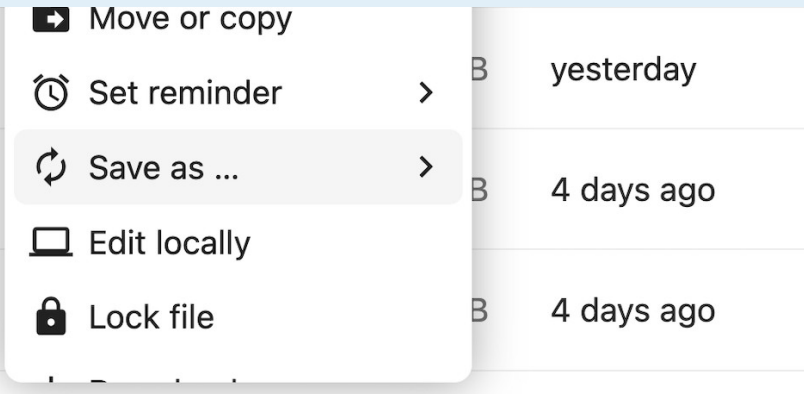
Change Tone Proofread

Describe a task that you want the assistant to do or ask a question

Give me an outline for showing all great Nextcloud Office features at FOSDEM.

Conversion API

- Has been present for long in Collabora Online
- Large variety of file type conversions
- We are also exposing that more directly so it can be used by the end user and in automations





Making setup easier

- Most issues reported are related to setup, network connectivity
- We are building more and more automated checks, suggestions
- New connectivity check in Collabora Online to catch more
 - Browser → Nextcloud / Browser → coolwsd / Nextcloud → coolwsd
 - coolwsd → Nextcloud is now also checked

Setup checks

Collabora Online server is reachable.



Collabora Online Development Edition 23.05.5.4 fc0de5b

URL used by the browser: `https://collabora.local`

Nextcloud URL used by Collabora: `https://nextcloud.local`



You have not configured the allow-list for WOPI requests. Without this setting users may download restricted files via WOPI requests to the Nextcloud server. [Click here for more info](#)

Could not establish connection to the Collabora Online server.



Failed to connect to the remote server: cURL error 7: Failed to connect to collabora port 998 after 4 ms: Couldn't connect to server (see <https://curl.haxx.se/libcurl/c/libcurl-errors.html>) for `http://collabora:998/hosting/discovery`

Could not establish connection to the Collabora Online server.



Failed to connect to the remote server: Empty capabilities, unexpected result from `http://collabora:9980/hosting/discovery`

Your browser has been unable to connect to the Collabora server: `https://collabora.locala`



A lot more happening

- Tons of great features and improvements that Collabora and LibreOffice community are building
- Performance improvements when saving files through async saving/parallel requests
- Document loading improvements by reducing frontend code overhead
- Comments enhancements, now supporting mentions and notifying people
- Integrating document signing
- Office specific settings as iframe integration
- Lots of fixes related to specific storage/sharing constellations



How we collaborate

- Weekly meetings between engineers and designers
- Feature co-development
- Shared code contributions and bug fixes
- Lots of brainstorming, exchange on ideas, new insights
- Usability testing, design reviews
- Aligning releases
- Weekly Collabora Online community meeting



Get involved

- <https://nextcloud.com/contribute/>
- <https://collaboraonline.github.io/>

- Talk to us, bring your ideas, start contributing
- Together we can do a bigger impact

Thank you!

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