Nextcloud Office

On collaborating across FOSS projects

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FOSDEM 2025

Nextcloud

Nextcloud

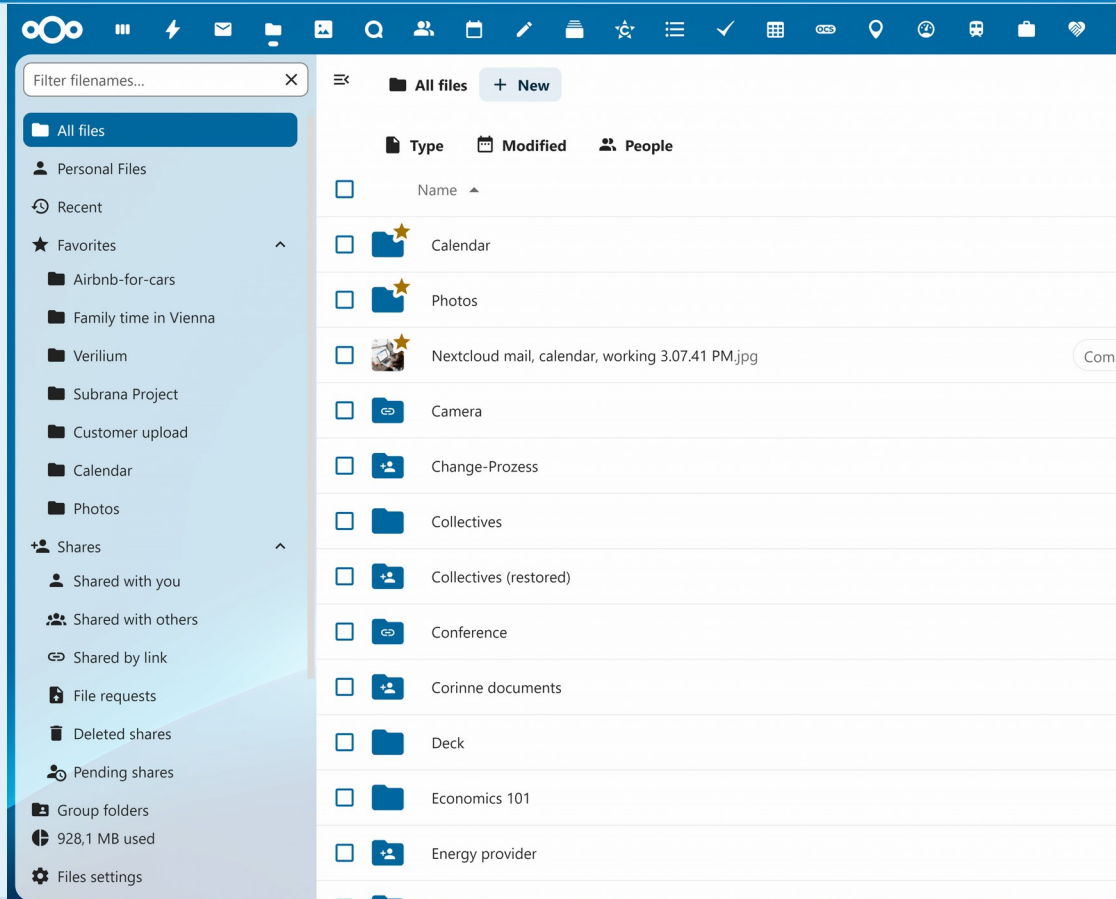
Free and open source
Enterprise Content collaboration platform

Nextcloud Files

Nextcloud Groupware

Nextcloud Talk

Nextcloud Office



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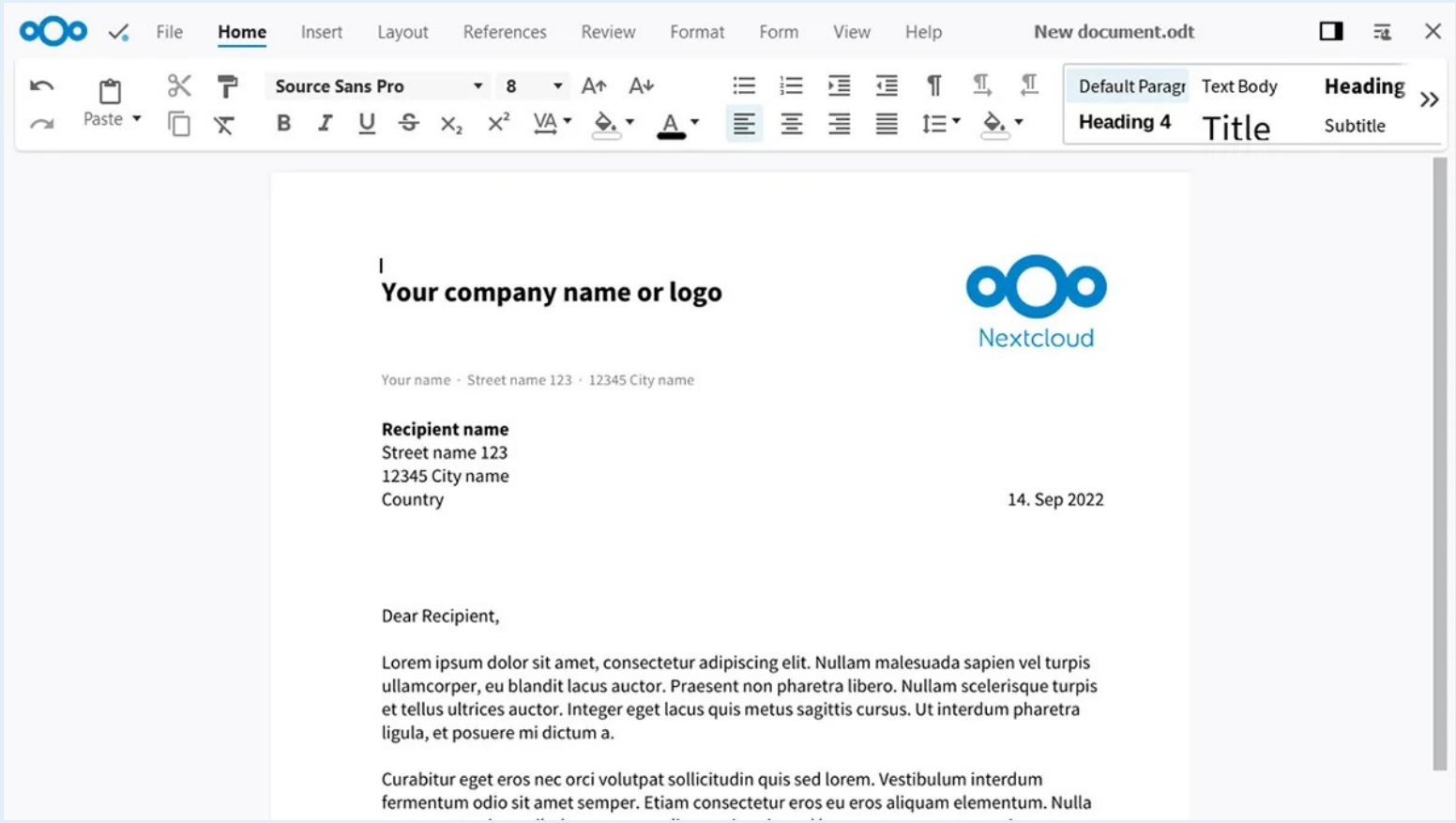

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Collabora
Online

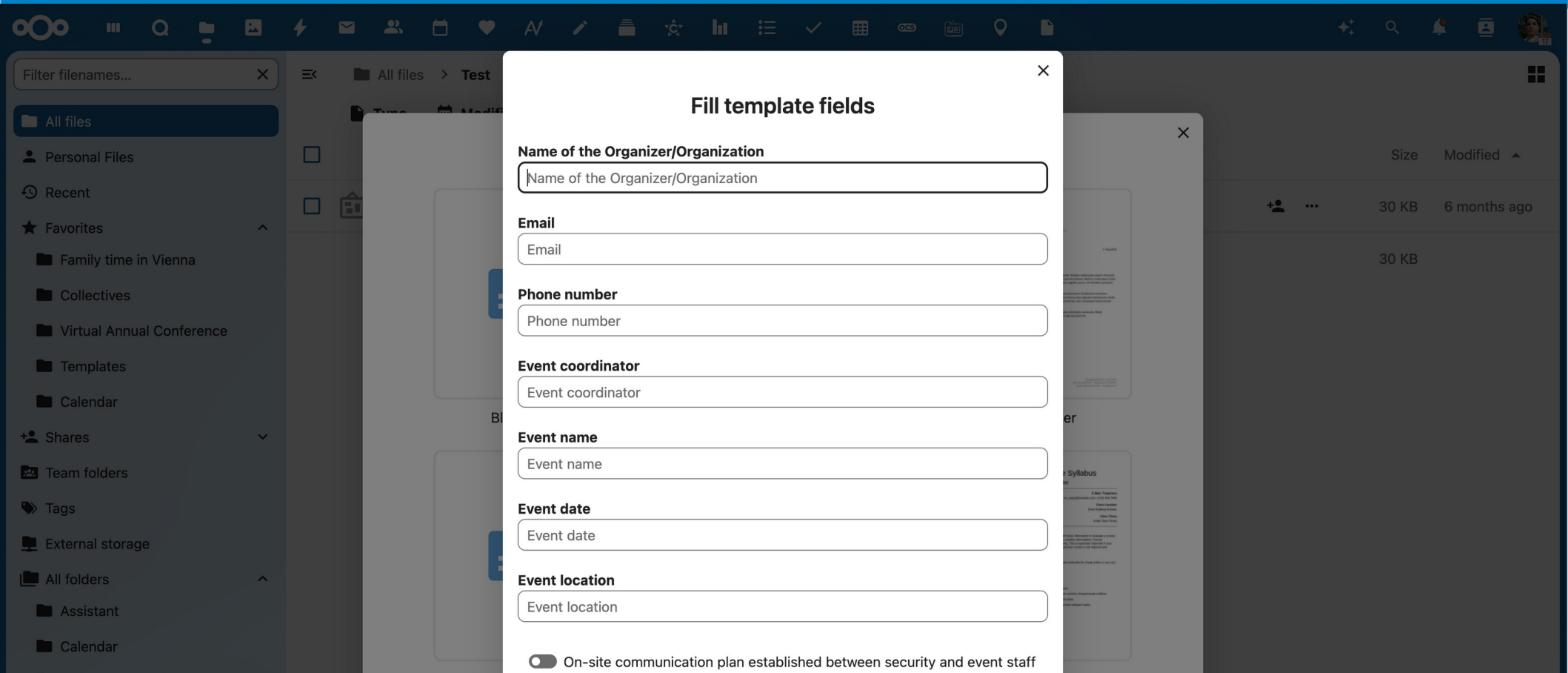
LibreOffice
The Document Foundation

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

https://sdk.collaboraonline.com/docs/extract_transform_api.html

Fill templates



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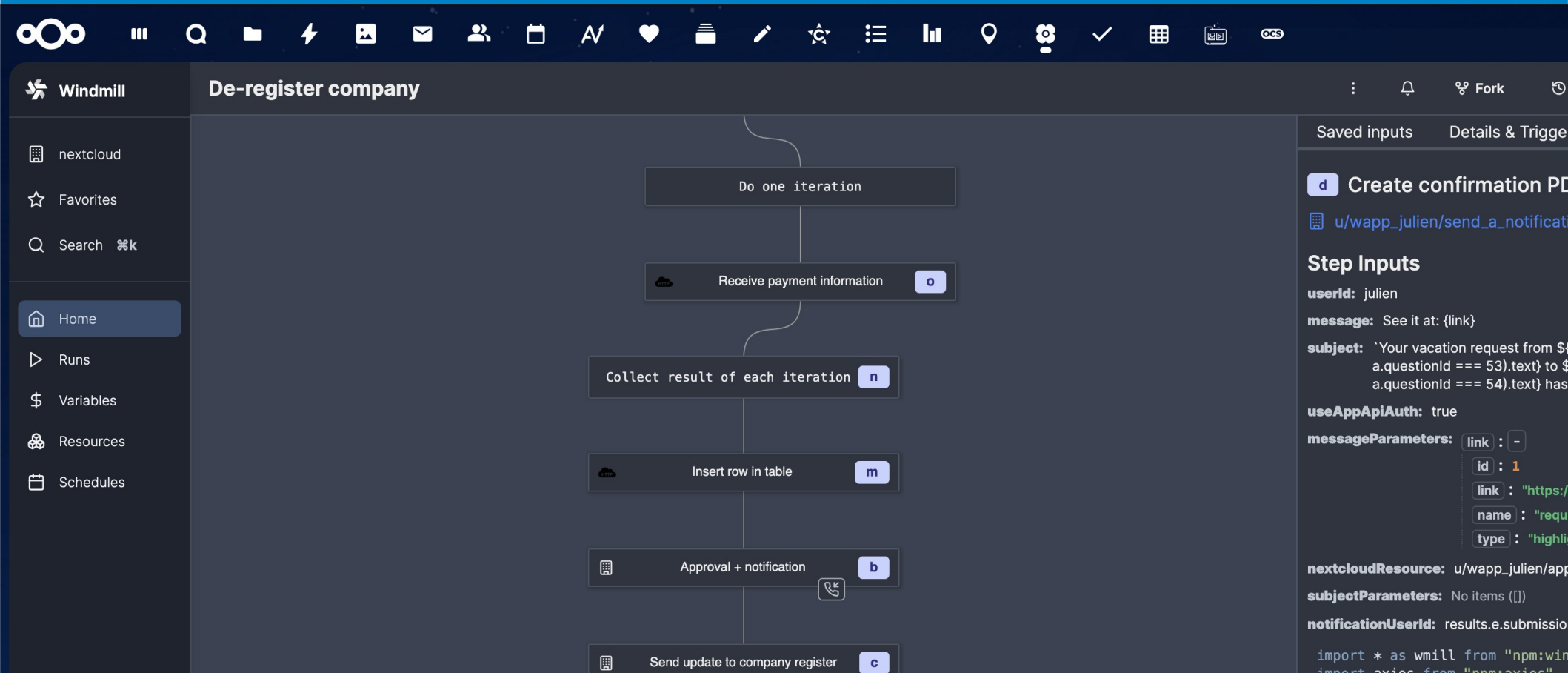
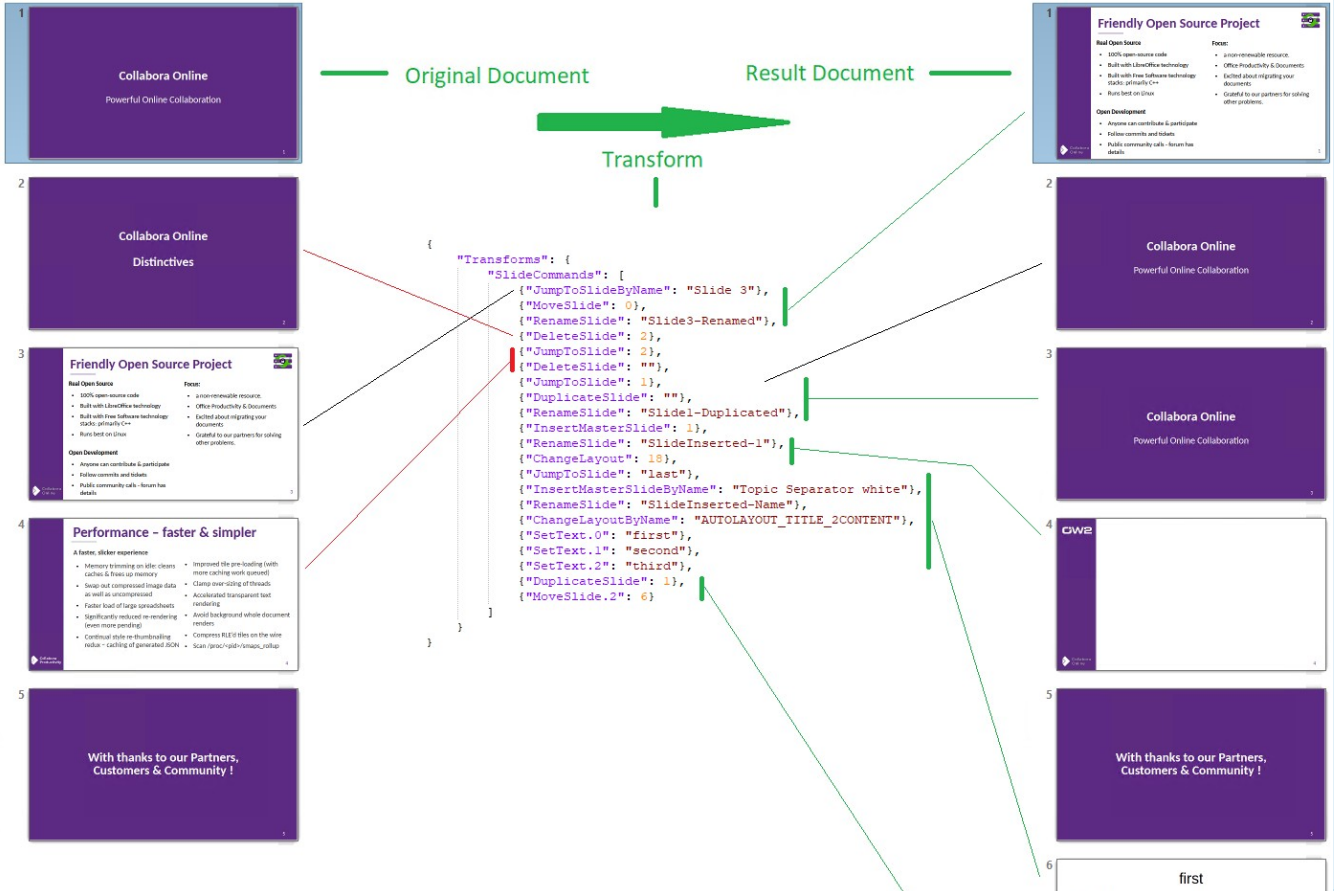
Automation



Transforming Slides

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

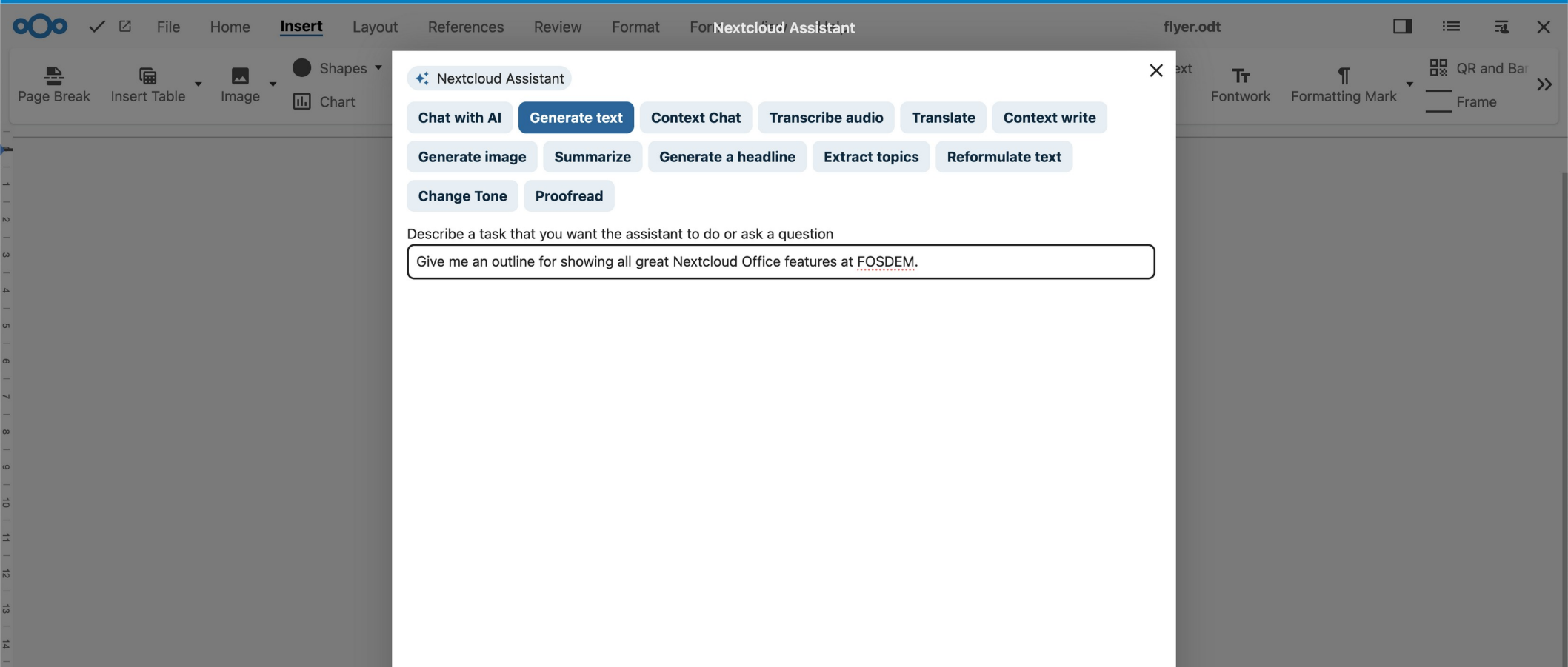
Transforming Slides



Extract / transform integration

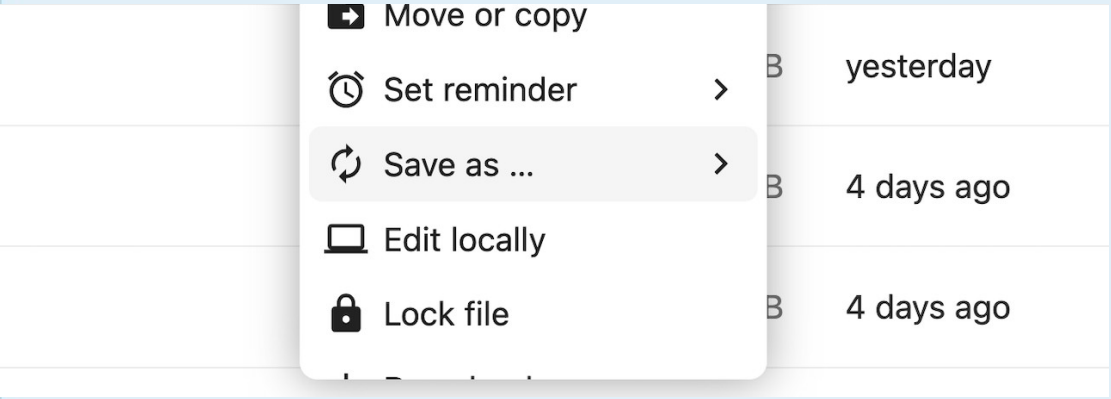
- Exposing a HTTP API on both Collabora Online and Nextcloud
- Can be used to build further integrations and automation workflows
- Discussions on how we can extend this to further use cases

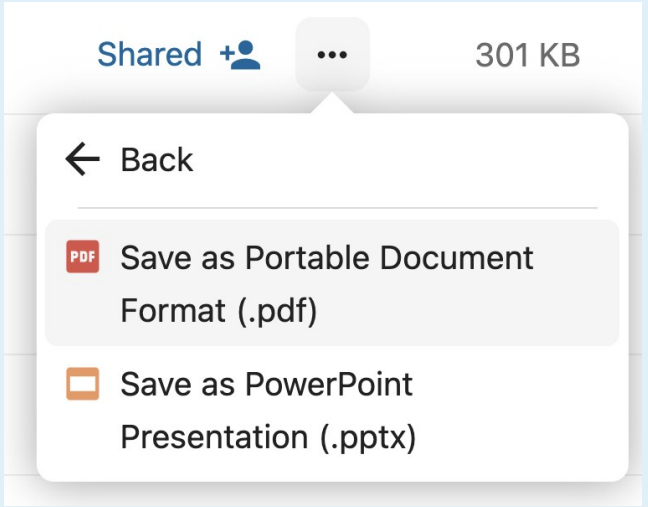
Nextcloud Assistant



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 → Nextlcoud / Browser → coolwsd / Nextcloud → coolwsd
  - coolwsd → Nextcloud is now also checked

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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

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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

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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

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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

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Thank you!

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