



Nextcloud

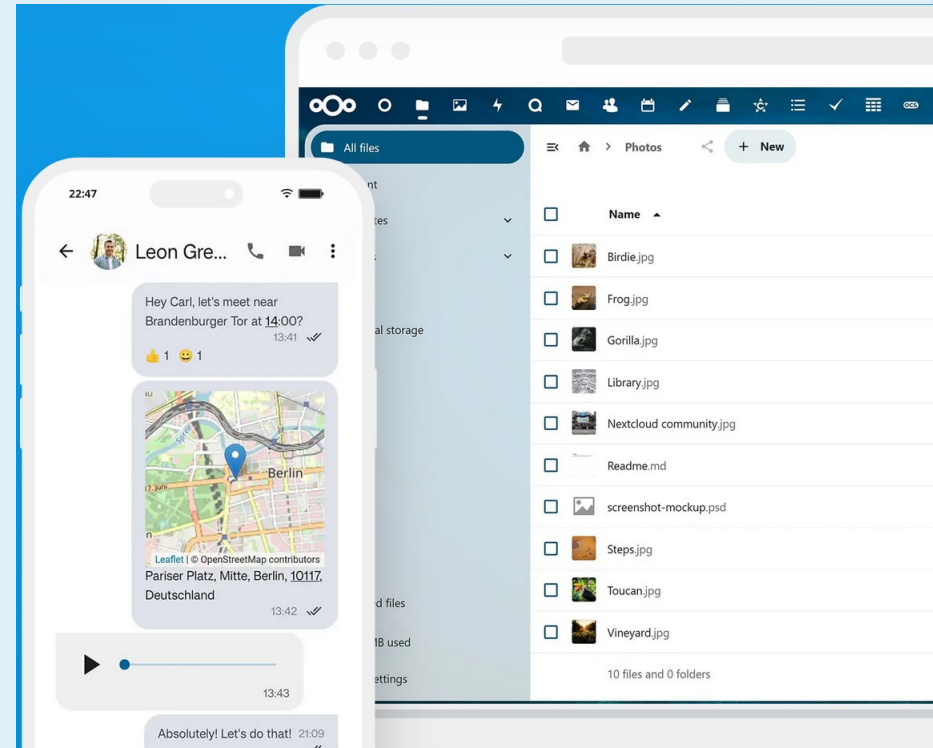
# Nextcloud integration updates

COOL days 2024

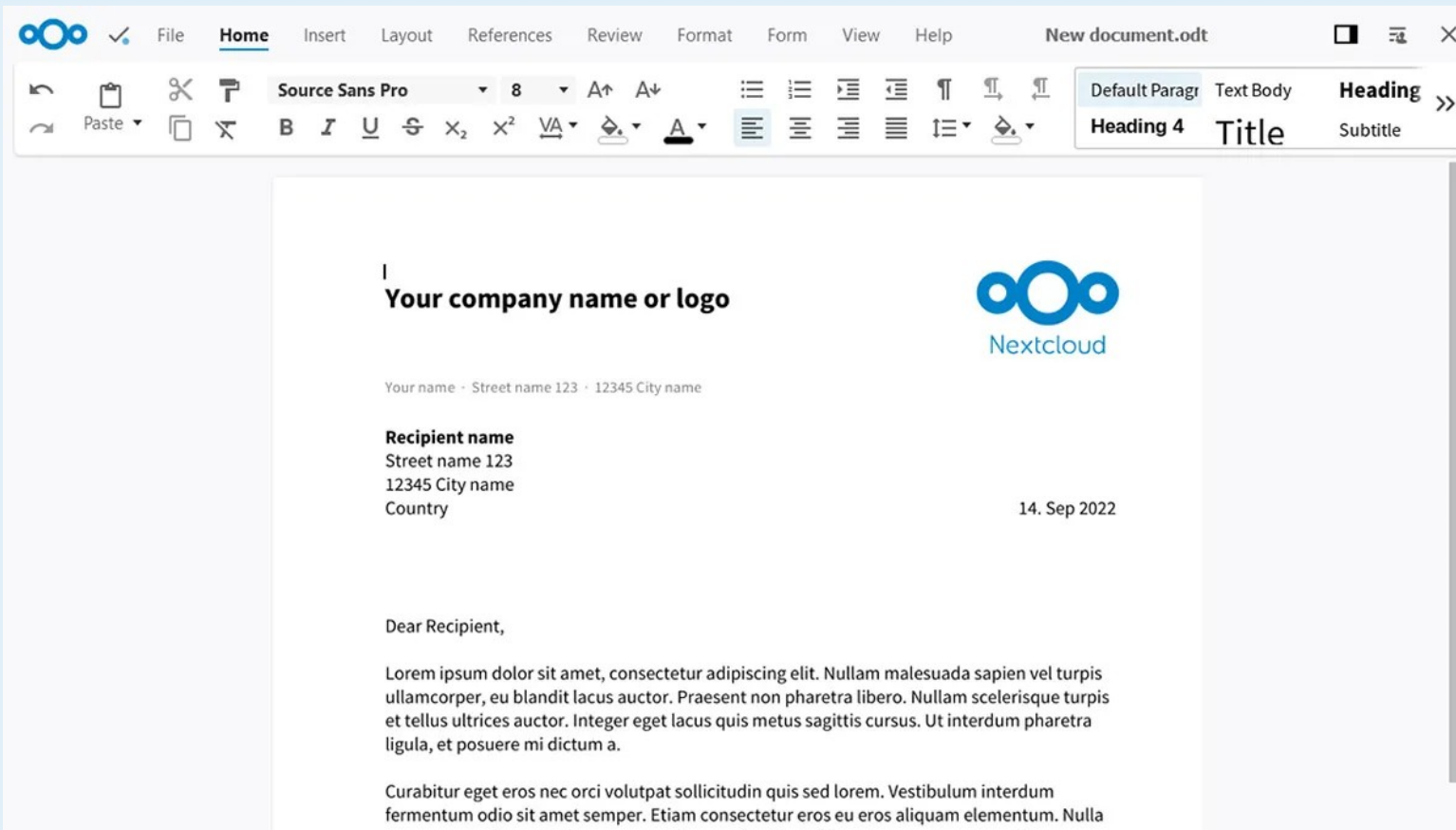
Julius Härtl

# Nextcloud

- ✓ Enterprise content collaboration platform
- ✓ Nextcloud Files
- ✓ Nextcloud Groupware
- ✓ Nextcloud Talk
- ✓ Nextcloud Office



# Nextcloud Office



The screenshot displays the Nextcloud Office web interface. At the top, a menu bar includes 'File', 'Home' (active), 'Insert', 'Layout', 'References', 'Review', 'Format', 'Form', 'View', and 'Help'. The document title is 'New document.odt'. Below the menu is a rich text toolbar with various icons for text formatting (bold, italic, underline, strikethrough, subscript, superscript, text color, background color), list creation, indentation, and alignment. A style dropdown on the right shows 'Default Paragraph' selected, with 'Text Body' and 'Heading' options visible. The main editing area contains a sample letter template. The header section includes a placeholder for a company logo and name, followed by a line for the sender's address. The recipient's address is listed below, followed by the date '14. Sep 2022'. The body of the letter begins with 'Dear Recipient,' and contains two paragraphs of placeholder text (Lorem ipsum).

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

# Performance improvements



## Range requests

Fetching the document can now be parallelized

Together with some great work by Ash

<https://github.com/CollaboraOnline/online/pull/8655>

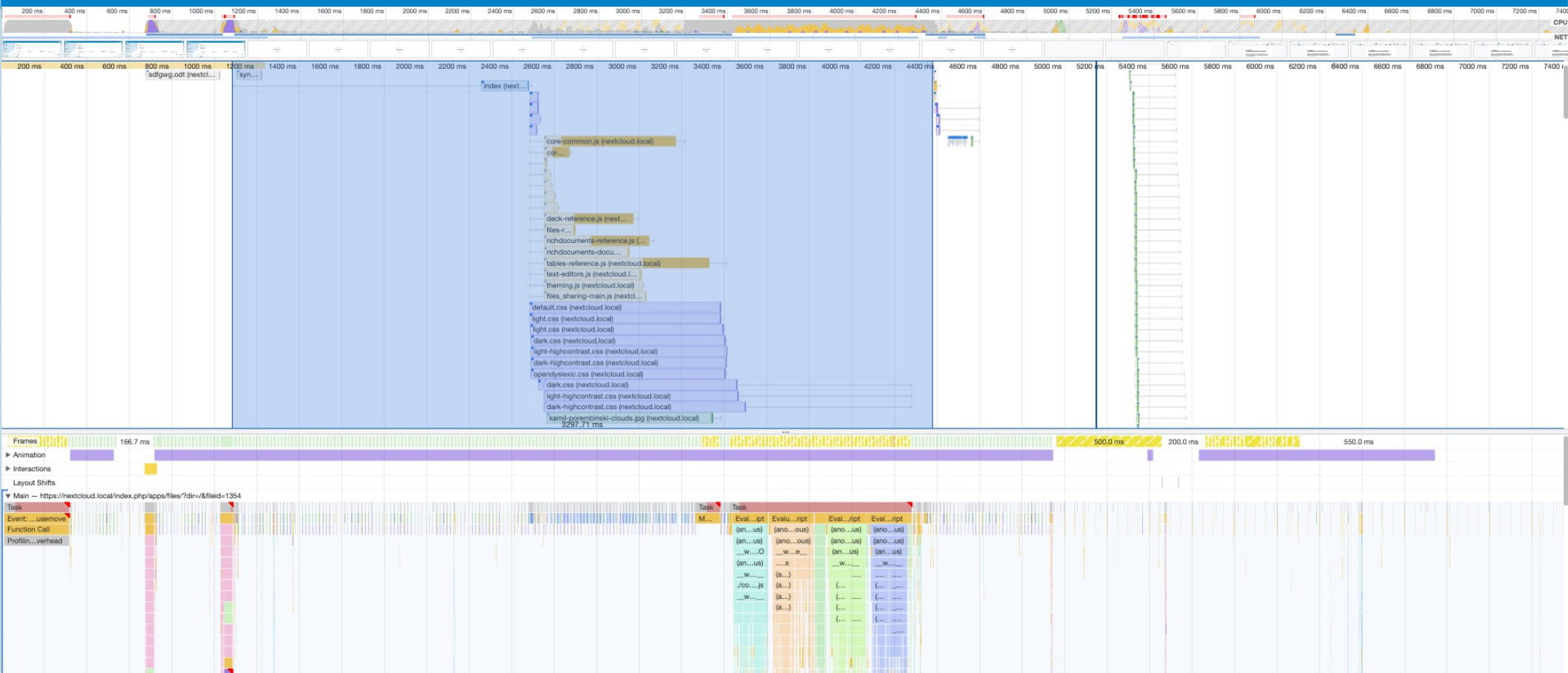


## Faster document loading

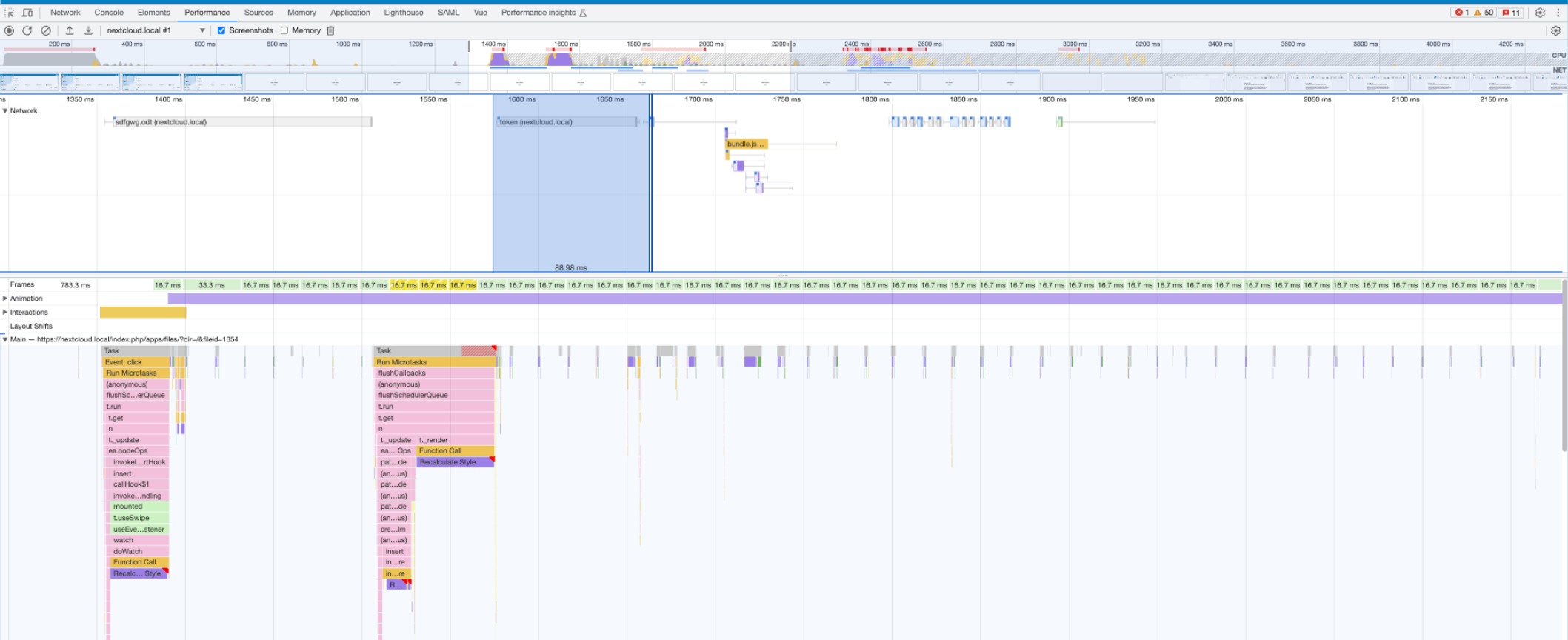
Legacy code cleanup that saves a full page load by inlining the Collabora frame directly into Nextcloud

~4s to 300ms

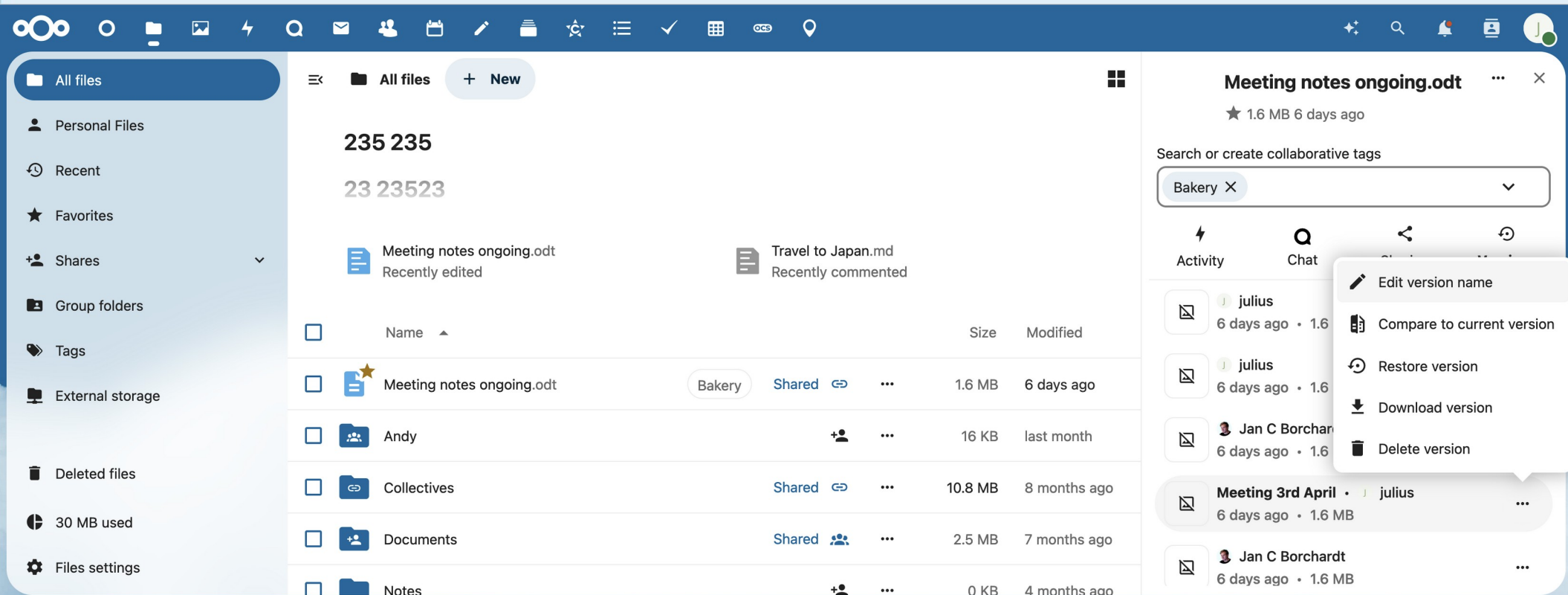
<https://github.com/nextcloud/richdocuments/pull/3152>



# Performance improvements



# Version comparison



The screenshot displays the Nextcloud web interface. On the left is a sidebar with navigation options: All files, Personal Files, Recent, Favorites, Shares, Group folders, Tags, External storage, Deleted files, 30 MB used, and Files settings. The main area shows the 'All files' view with a search bar and a list of files. The file 'Meeting notes ongoing.odt' is highlighted, showing its size (1.6 MB) and modification date (6 days ago). A version comparison dropdown menu is open for this file, listing several versions with their respective users and dates. The right sidebar shows the 'Meeting notes ongoing.odt' file details, including its size and modification date, and a search bar for collaborative tags. A version comparison dropdown menu is also open on the right, showing the same list of versions as the main area.

**Files List:**

Name	Size	Modified
Meeting notes ongoing.odt	1.6 MB	6 days ago
Andy	16 KB	last month
Collectives	10.8 MB	8 months ago
Documents	2.5 MB	7 months ago
Notes	0 KB	4 months ago

**Version Comparison (Meeting notes ongoing.odt):**

Version	User	Date	Size
235 235	julius	6 days ago	1.6 MB
23 23523	julius	6 days ago	1.6 MB
Meeting 3rd April	Julius	6 days ago	1.6 MB
Jan C Borchardt	Jan C Borchardt	6 days ago	1.6 MB

# 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`



# Setup checks

```
occ rich:setup -w "http://collabora:9980" -c "https://nextcloud.local"
```

✓ Set WOPI url to http://collabora:9980

✓ Set callback url to <https://nextcloud.local>

Checking configuration

① Configured WOPI URL: http://collabora:9980

① Configured public WOPI URL: <https://collabora.local>

① Configured callback URL: <https://nextcloud.local>

✓ Fetched /hosting/discovery endpoint

✓ Valid mimetype response

✓ Valid capabilities entry

✓ Fetched /hosting/capabilities endpoint

✓ Detected WOPI server: Collabora Online Development Edition 23.05.5.4

Collabora URL (used for Nextcloud to contact the Collabora server):

· <http://collabora:9980>

Collabora public URL (used in the browser to open Collabora):

· <https://collabora.local>

Callback URL (used by Collabora to connect back to Nextcloud):

· <https://nextcloud.local>

# Other improvements

- ✓ Larger rework on the files app to improve performance, maintainability, accessibility
- ✓ Dark theme improvements for templates, using Nextcloud dark/light mode
- ✓ WASM support
- ✓ Shipping default fonts
- ✓ Preview for EMF files
- ✓ File locking and local editing improvements

# Design and usability

- ✓ Weekly sync with the Collabora team
- ✓ Usability research internal and with customers
- ✓ Our design team looking for customers and partners interested in contributing

# Thank you!

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