



What's next in Nextcloud

Frank Karlitschek

Frank Karlitschek



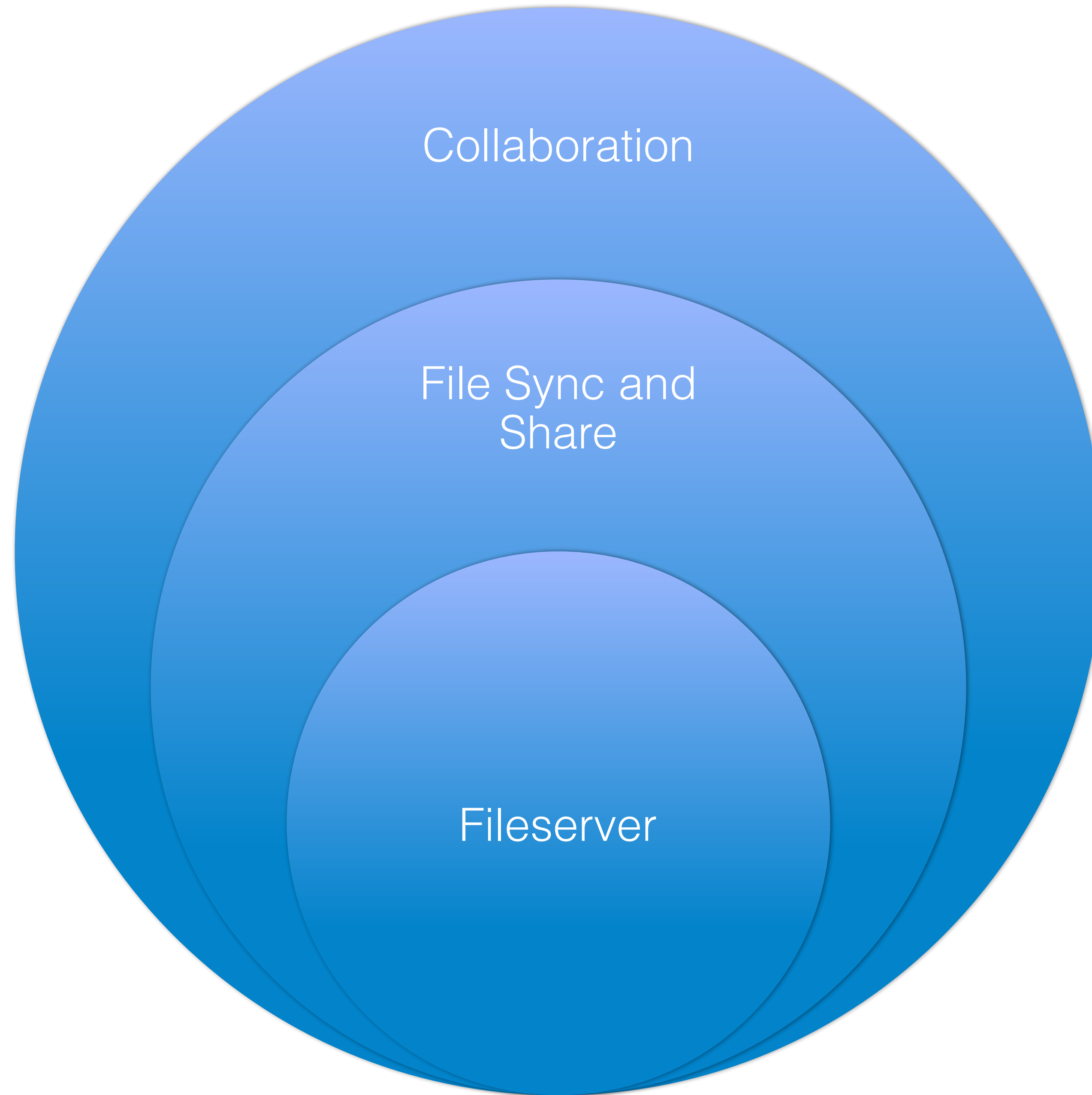
- Born in Reutlingen, Germany
- Studied Computer Science in Tübingen
- Unit Manager and VP Engineering in different Internet companies
- Founded several startups
- Involved in open source and social networks for 20 years
- W3C invited expert
- Fellow at Open Forum Europe
- Founded ownCloud
- Founded Nextcloud

Agenda

- The Nextcloud product strategy
- What we did in 2017/2018
- Use Cases
- Diskussion



The Nextcloud product strategy



Focus Areas

Collaboration

File Sync and Share

Scalability

Security





What we did in 2017 / 2018

Security

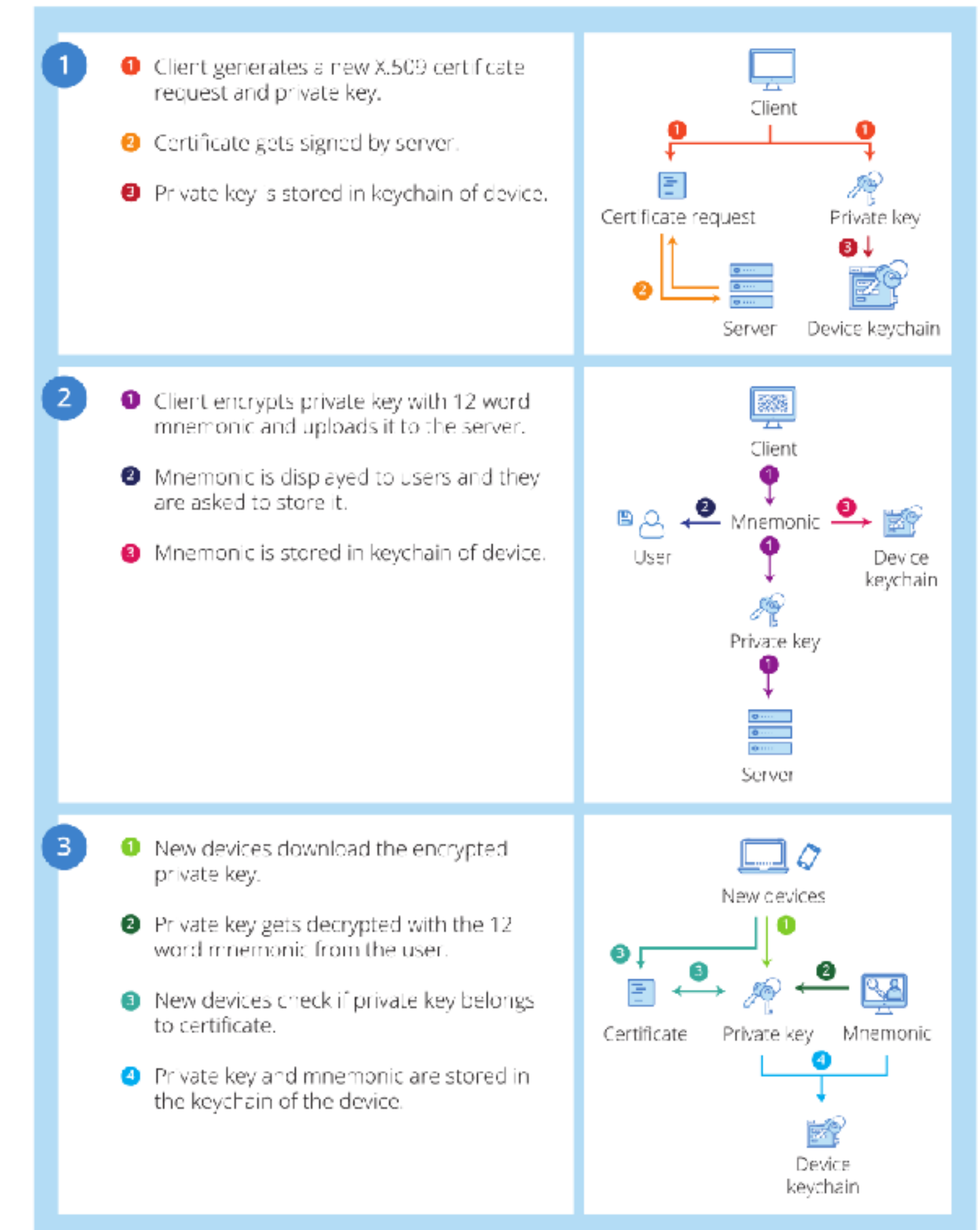
- Support for cutting edge browser security features CSP 3.0 and Same-site Cookies
- Support for Kerberos authentication and Two-factor Authentication providers based on Universal 2nd Factor and Time-based One-Time Password
- Brute force protection to all API access points
- More secure Federation through use of SSL/TLS
- New app store automatically checks apps and enforces signatures
- Password confirmation
- NCC group audit
- Restrict login to a certain IP space.
- Easy to use and working updater

End 2 End Encryption

- Most requested feature
- Final in Nextcloud 13
- Supported in
 - iOS
 - Android
 - Mac
 - Windows
 - Linux
- Enterprise grade key management
- Optional Key Recovery

Nextcloud end-to-end encryption

Create and sync identity

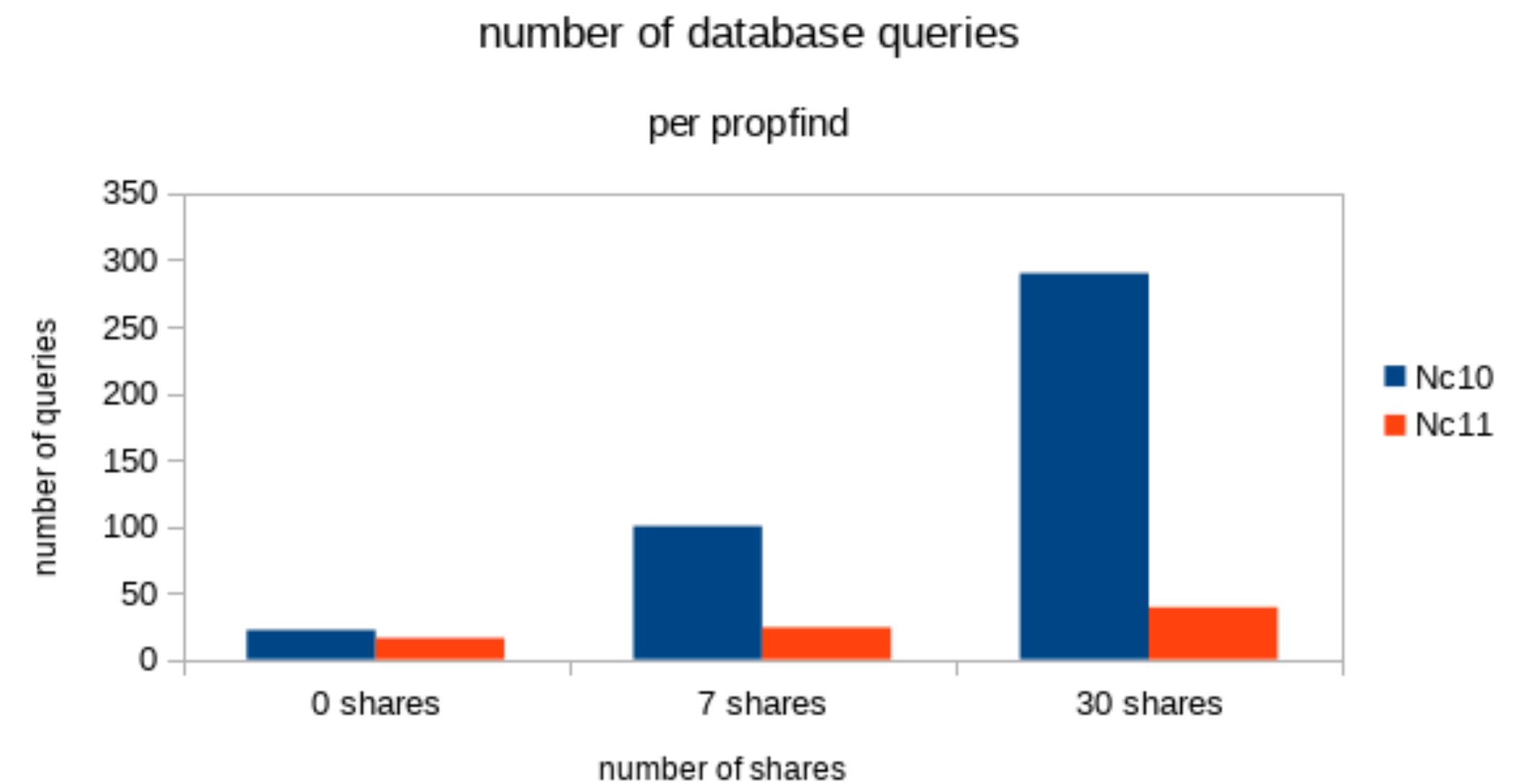
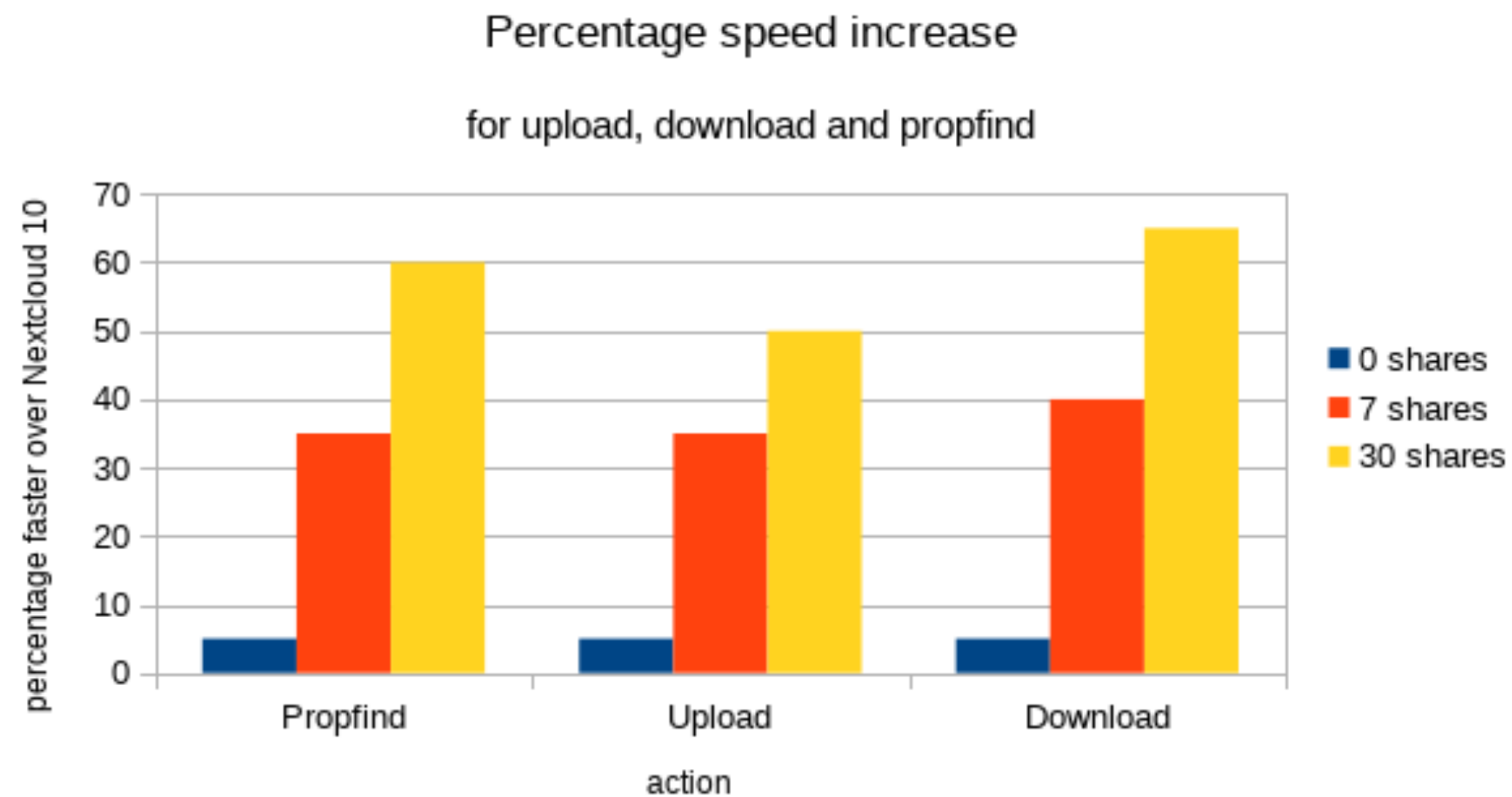


Scalability

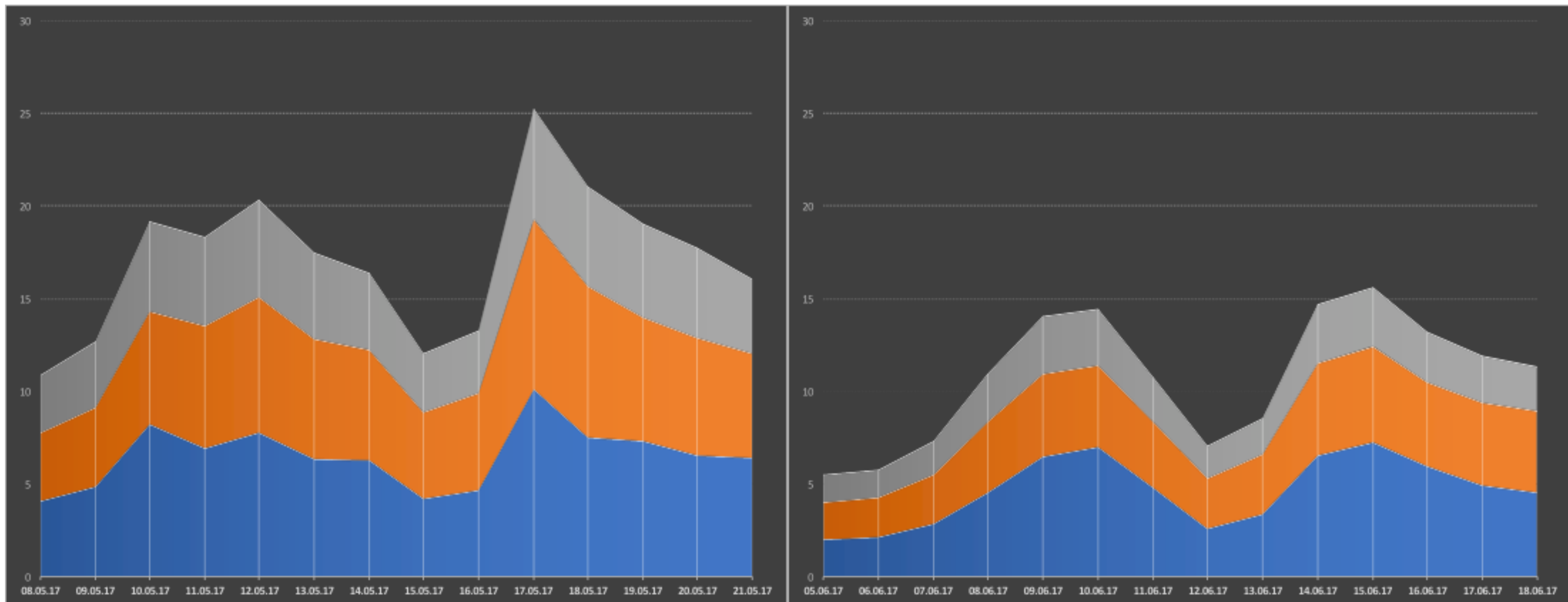
- Reduce DB load by 80%.
- Response time improvements by 60%
- 50% in real world test. (TU Berlin)
- Multi bucket object store support
- Big LDAP performance improvements. Up to 85% faster.
- Significant performance improvements in external storage handling

Nextcloud 11 performance improvements

- 80% less database load
- 60% faster propfinds
- 60% faster transfer of small files



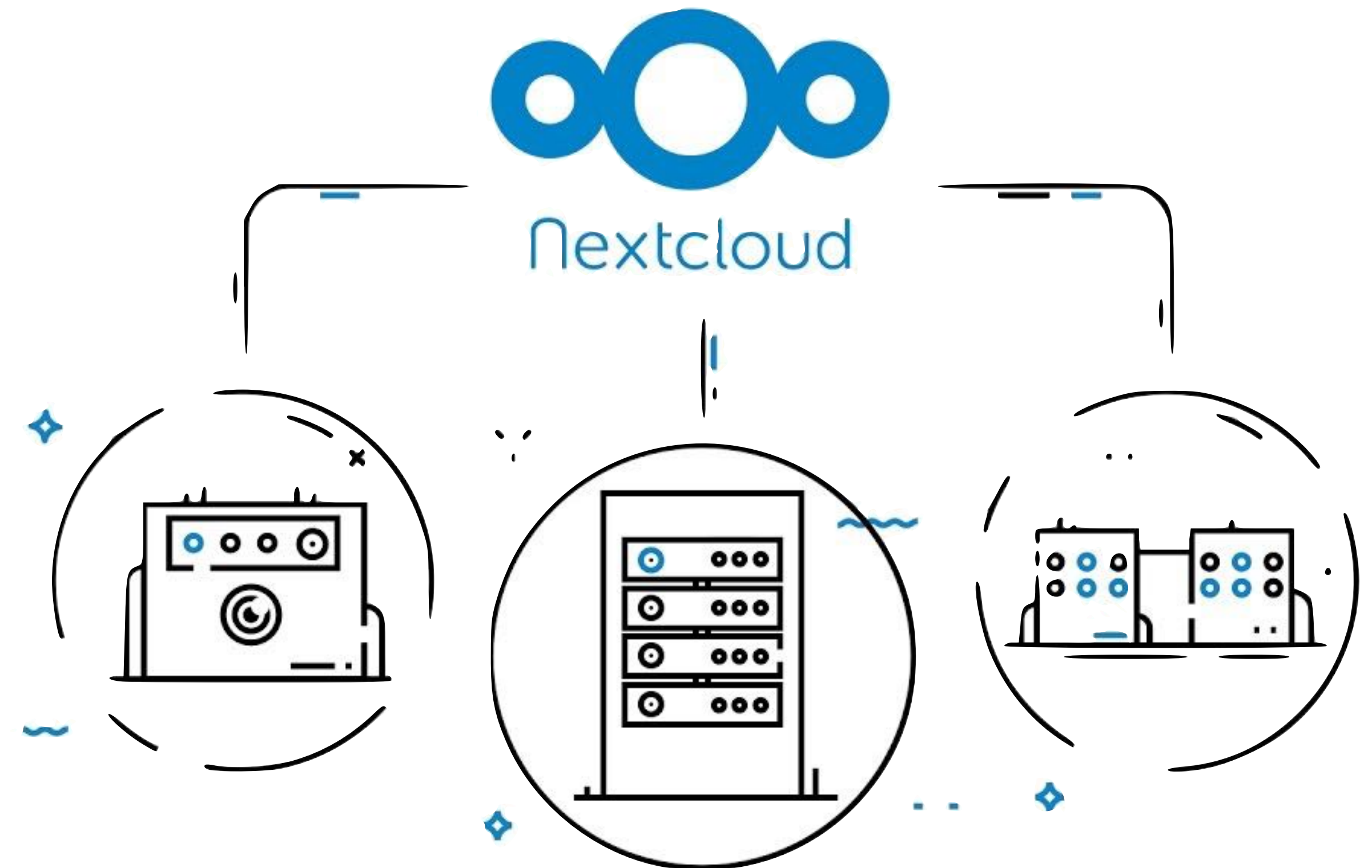
Real world test by TU-Berlin



<https://nextcloud.com/blog/tu-berlin-halves-database-load-by-migrating-22k-users-to-nextcloud/>

Global Scale

- Scalability > 500k users
- Global distribution
- Cost efficiency
- Independent nodes
- Federated sharing between nodes
- Lookup Server
- Global Site Selector
- Balancer
- First release in Nextcloud 12
- Refined user distribution logic in 13
- In production since 6 month for 10M users



File Sync and Share

- Organisation shares
- Chunked file upload in Web
- Impersonate App
- Share by Email
- Quota in Sidebar
- Low Quota Email Warning
- Activities for Files/ Folders
- Guest app
- Copy action in web UI

Collaboration

- Full text search (Apache Solr)
- Lookup Server for Collaboration across instances
- New app menu to make switching easier
- Push Notification
- Circles App for User defined groups
- Contacts menu
- Avatar popup menu
- Show avatars in Collabora Online
- Show avatars in Shared files overview
- Calendar with free Outlook/Thunderbird plugins. Free/Busy Support, Invitations
- Mail/Contacts
- Files from Mail
- Deck app
- User comments autocompletion
- External sites improvements. Also show on mobile Apps

Nextcloud Talk



- Audio / Video calling
- Chat
- Screensharing / Presentations

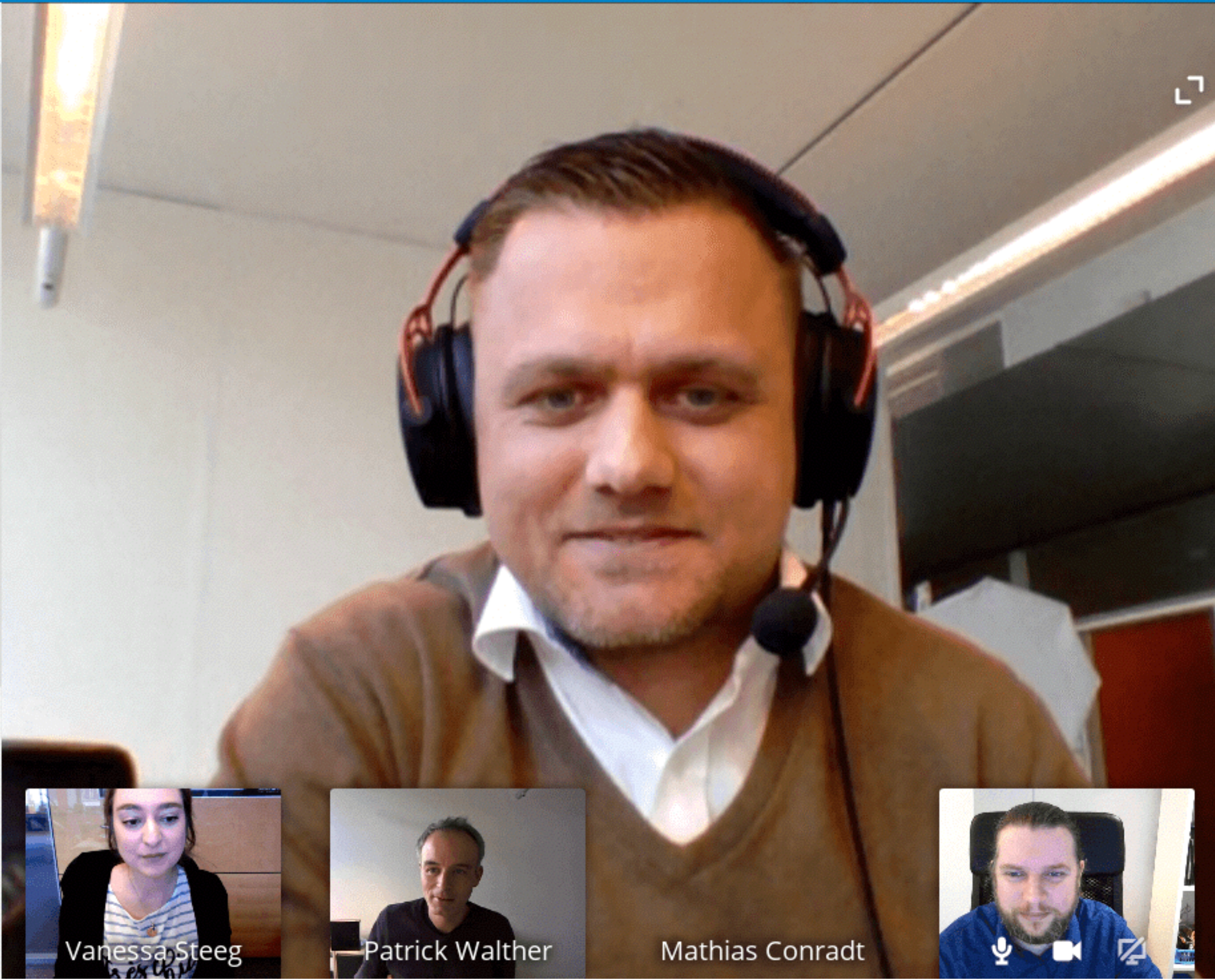
- Webinar use-case
- Phone use-case

- Web-UI
- Android App
- iOS App
- Federated Calls with OCM API

- Optional high scalability backend
- Signaling Server
- STUN, TURN, MCU
- SIP Bridge

Choose person...

- Discuss Nextclou... [More]
- Press informatio... [More]
- Mario Danic [More]
- Nina Cercy [More]
- Sales Weekly call [More]
- Mathias Conradt,... [More]
- Sales [More]
- Collabora plans [More]
- Company Call [More]
- Frank Karlitschek [More]
- Ivan Sein Santiago [More]
- I have renamed t... [More]
- You [More]
- tomaz [More]
- F-Droid [More]
- Lukas Reschke [More]



Discuss Nextcloud Talk

Leave call

Share link

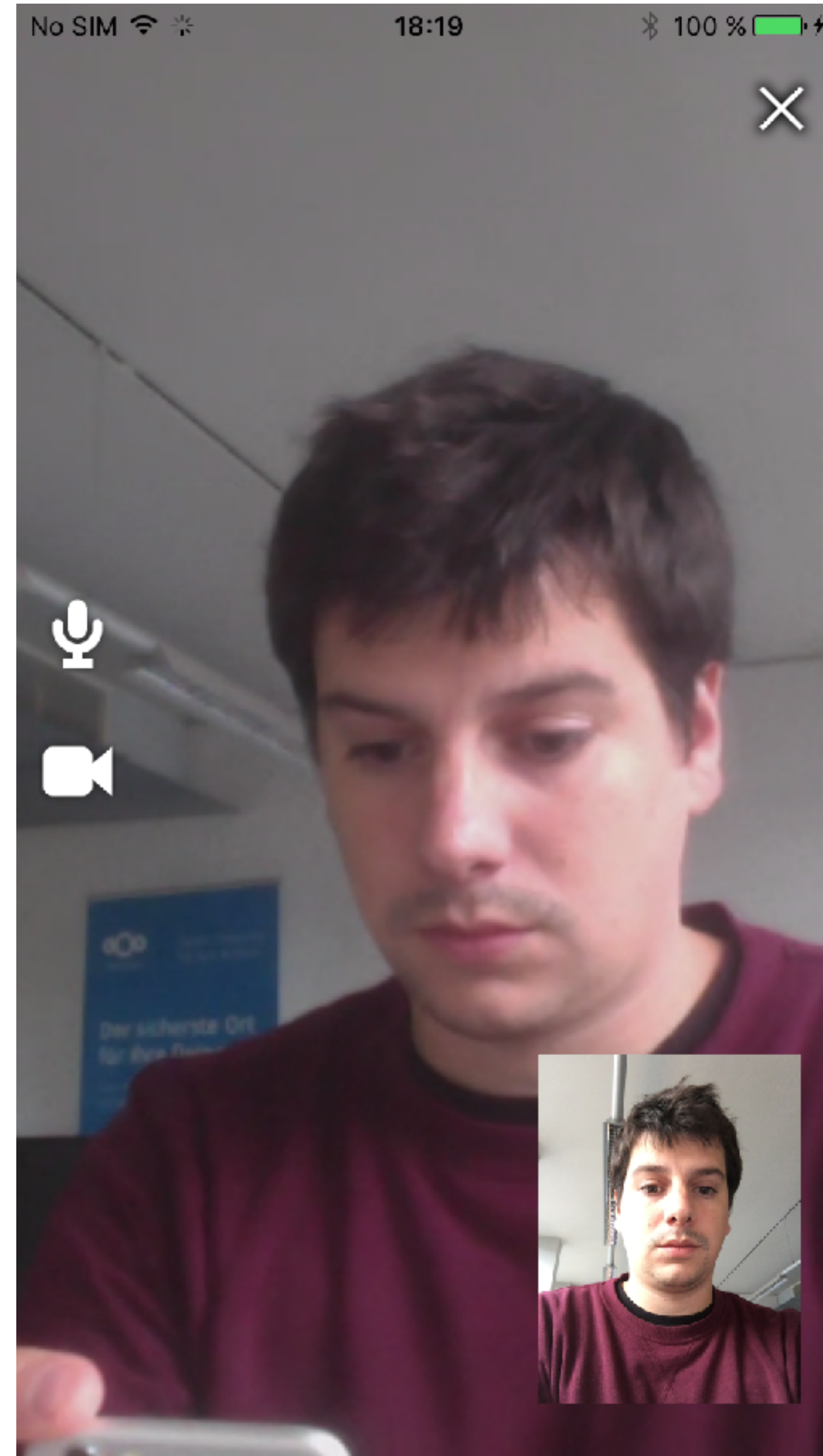
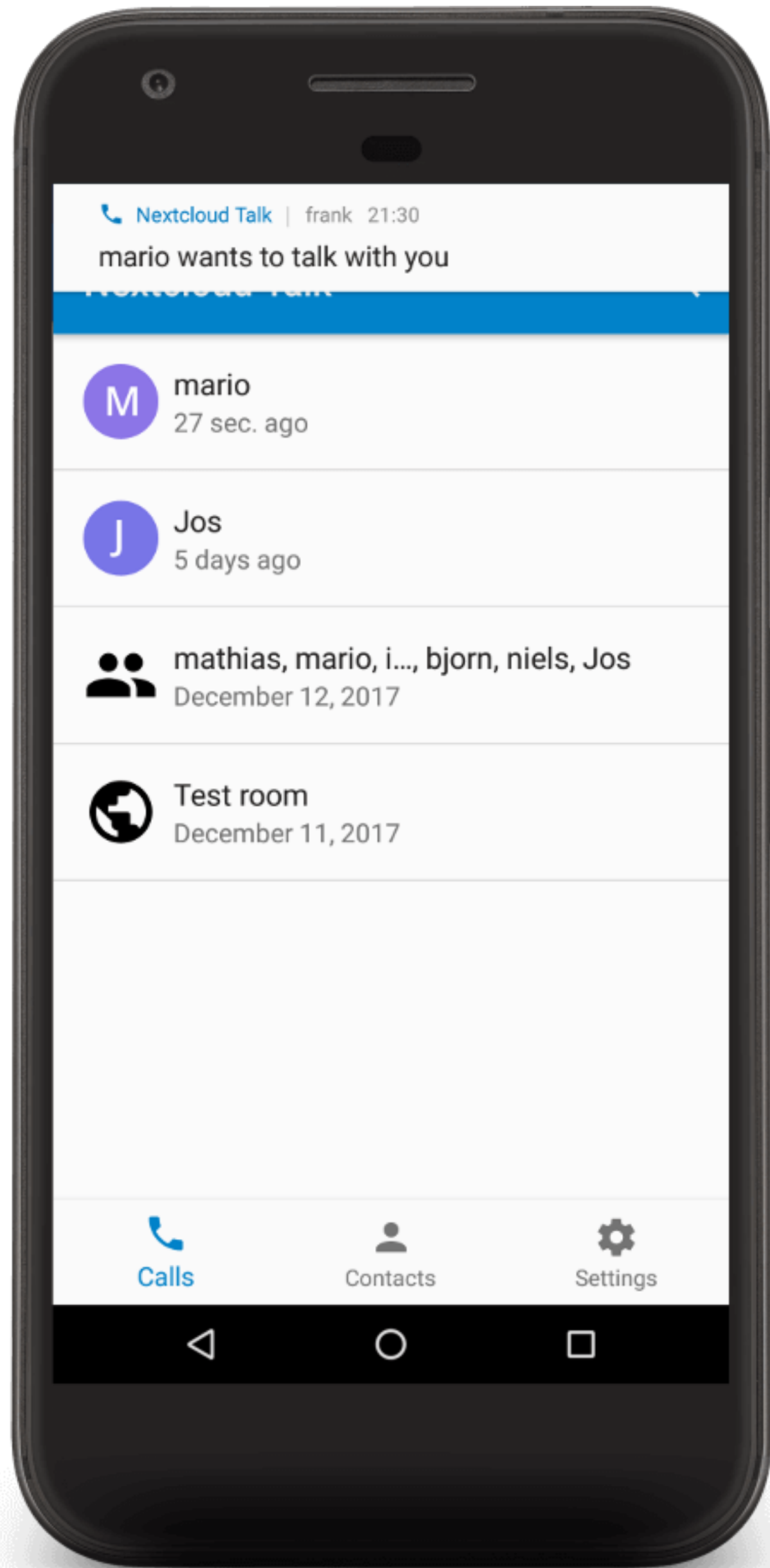
Chat

Participants

Jos Poortvliet 9 minutes ago
Hi team, I'd like to go over Nextcloud Talk features today.

Mathias Conradt 4 minutes ago
Ok

Jos Poortvliet
New message... [Send]



- All files
- Recent
- Favorites
- Shared with you
- Shared with others
- Shared by link
- Tags

Name	Size	Modified
foobar	0 KB	a month ago
welcome1.txt	< 1 KB	4 months ago
welcome1.txt	< 1 KB	4 months ago
1 folder	328 B	

- Daniel: I like [image] in [image]
- Georg: [image]
- Marcel: Are you online?
- Tobia

- Settings
- Mute
- Hide offline contacts
- Add contact
- Online help
- Join chat
- About
- Online

Daniel

Hi 3:21:18 PM

Unverified Private conversation started.

Hi [image] 3:21:32 PM

I like [image] in [image] 3:21:31 PM

[Emoji grid]

Message [lock icon]

Georg

Hello Klaus [image] 3:24:16 PM

[Image of a room] 3:24:46 PM

Awesome [thumbs up] 3:25:45 PM

raumsuche (1).mp4 3:28:41 PM

Looks good to me [image] 3:28:37 PM

[image] 3:28:50 PM

Call terminated: hung up.

Message [lock icon]

Marcel

Are you online?



Choose person ...

- Discuss Nextclou... ⋮
- Press informatio... ⋮
- Mario Danic ⋮
- Nina Cercy ⋮
- Sales Weekly call ⋮
- Mathias Conradt,... ⋮
- Sales ⋮
- Collabora plans ⋮
- Company Call ⋮
- Frank Karlitschek ⋮
- Ivan Sein Santiago ⋮
- I have renamed t... ⋮
- You ⋮
- tomaz ⋮
- F-Droid ⋮
- Lukas Reschke ⋮

Hi team, I'd like to go over Nextcloud Talk features today.

- Mathias Conradt 19 minutes ago
Ok
- Jos Poortvliet 14 minutes ago
Find notes here: <https://cloud.nextcloud.com/apps/files/?dir=/shared&fileid=48728>
- Guest 12 minutes ago
I have joined too
- Mathias Conradt 12 minutes ago
Great
- Vanessa Steeg 12 minutes ago
Cool!
- Guest 12 minutes ago
I am Caspar.
- Jos Poortvliet 5 minutes ago
I have to join by phone...
- Jos Poortvliet

New message... ➔

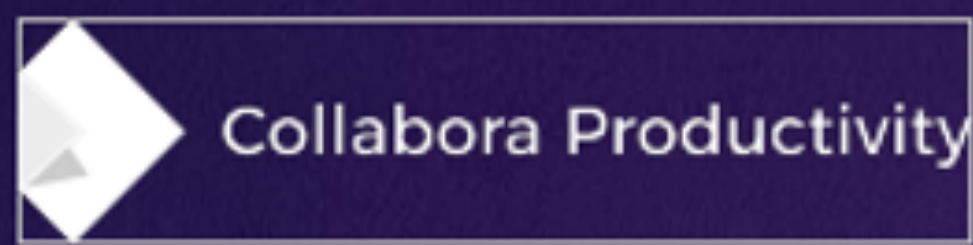
Discuss Nextcloud Talk ✕

[Join call](#)

Share link ➔

Participants

- Jos Poortvliet (moderator)
- Mathias Conradt (moderator)
- Vanessa Steeg (moderator) ⋮
- Guest ⋮
- Patrick Walther ⋮



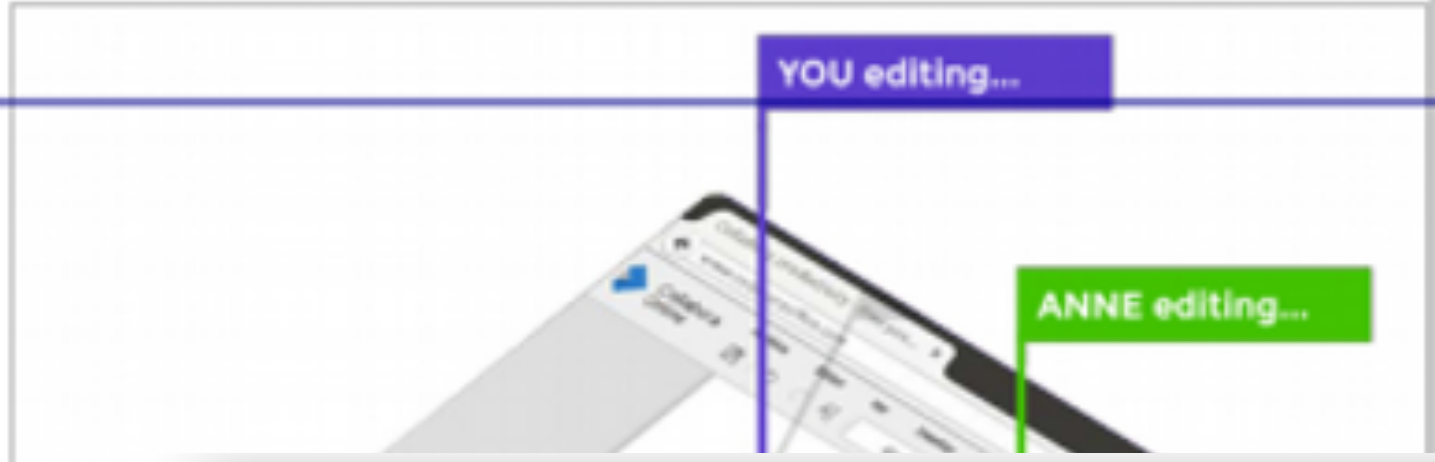
Collabora Online v 2.1



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, Collabora Office, 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



john
Thu Apr 27 2017
Insert ' v 2.1'
Good to add the version nu

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

Emily
Thu Apr 27 2017
Great idea! Let's check the rest of
document too, and let's add a link:
www.collaboraoffice.com

Alan
Thu Apr 27 2017
Delete 'control o...cument

Print Copy Paste
Arial 11 ↑ ↓
B / U ☉ A² A₂ ab A ☉
☰ ☷ ☶ ☵ ☲ ☱ ☴ ☳ ☹
☰ ☷ ☶ ☵ ☲ ☱ ☴ ☳ ☹
☰ ☷ ☶ ☵ ☲ ☱ ☴ ☳ ☹
☰ ☷ ☶ ☵ ☲ ☱ ☴ ☳ ☹
Normal No Spacing Headings



Line Spacing
 Multiple 1.15

Paragraph Spacing
 Before 0 cm After 0.35 cm
 Don't add interval between paragraphs of the same style

Background color

[Show advanced settings](#)

App Ecosystem

- New App Store with > 100 Apps
- Not contributor license agreement
- No enterprise apps
- Real 100% open source
- ‘Contributions at eye level’

Nextcloud Education Edition

- Moodle integration
- Zenodo publishing
- Dashboard
- Circles
- ORCID
- Pico CMS





Use Cases



Document Sharing

AutoSave OFF Document1 Search in Document

Home Insert Design Layout References Mailings Review View Share

Paste Paste

Calibri (Body) 10 A A Aa A

B I U abc X₂ X² A A

Styles Styles Pane

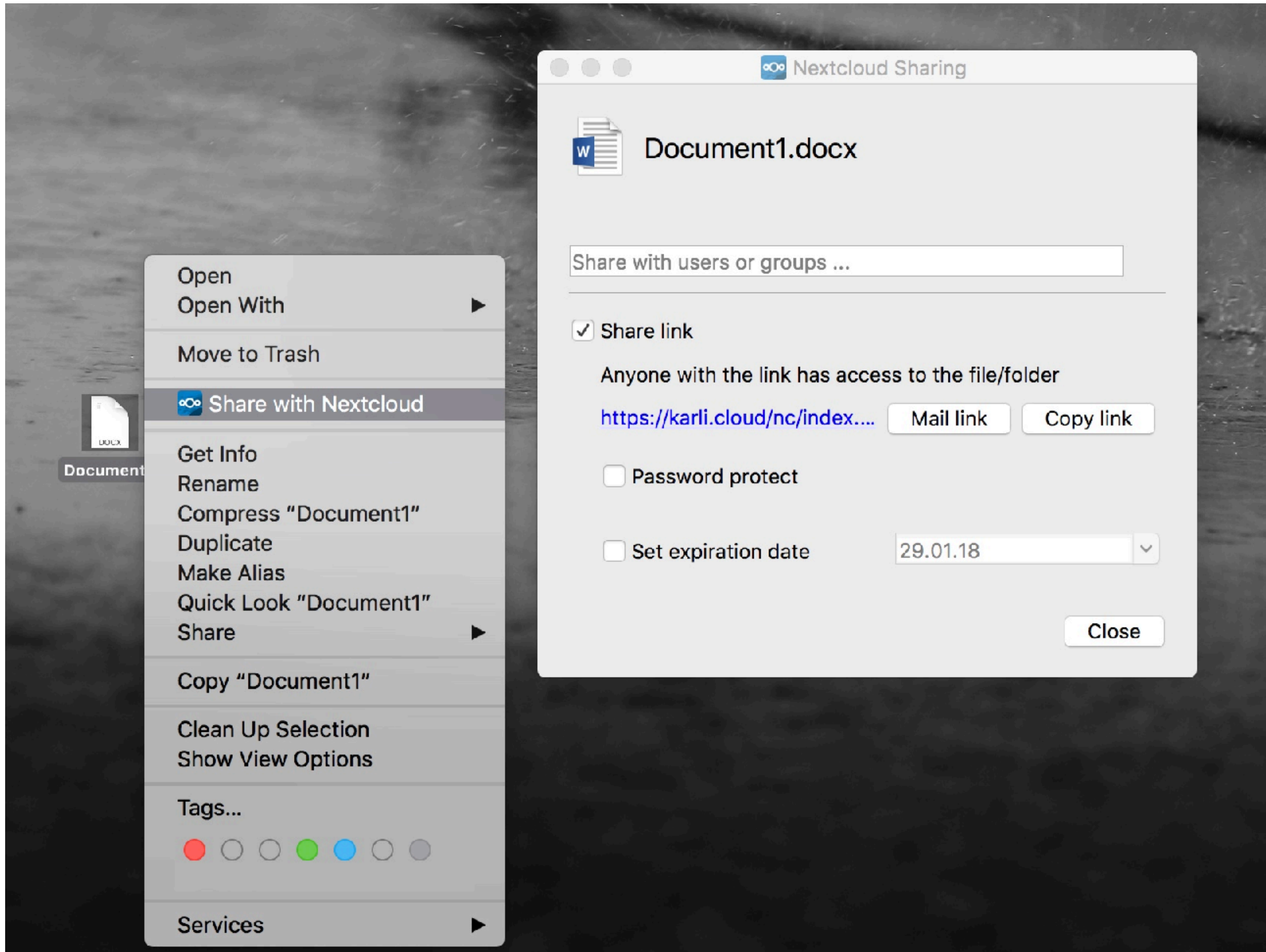
Test Document

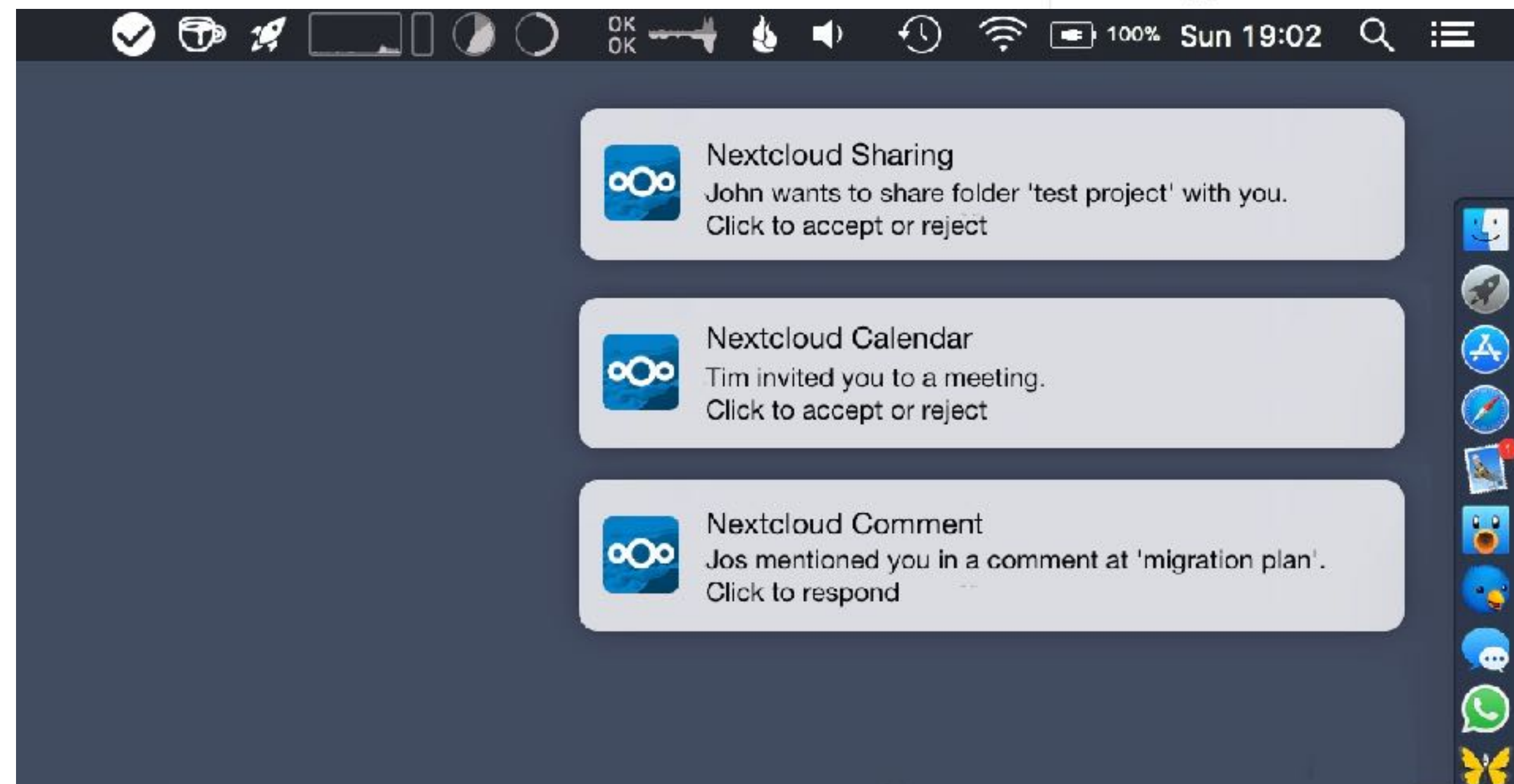
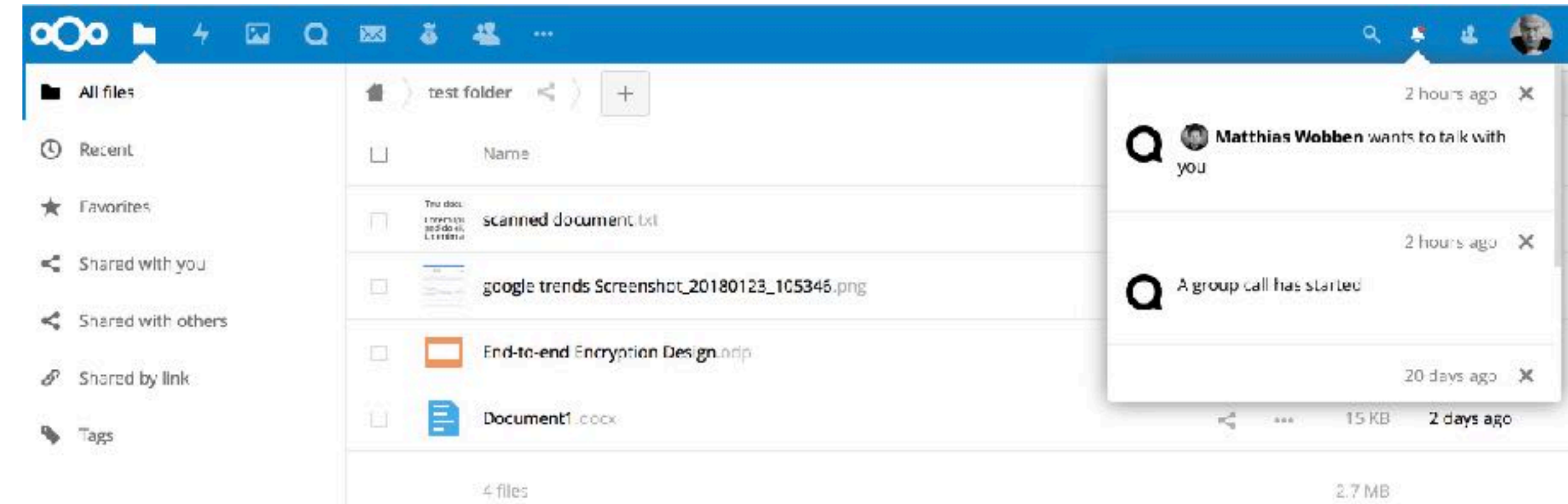
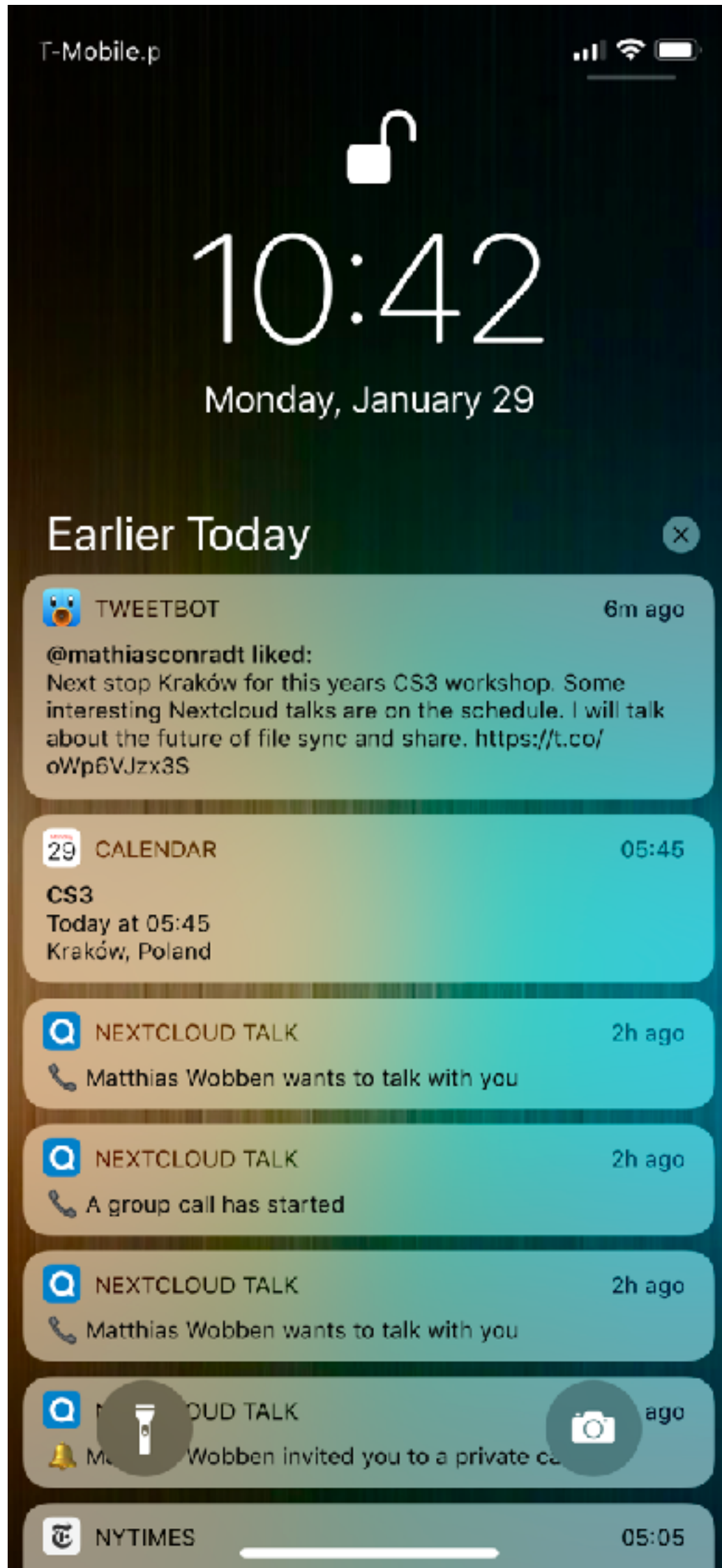
Lorem Ipsum

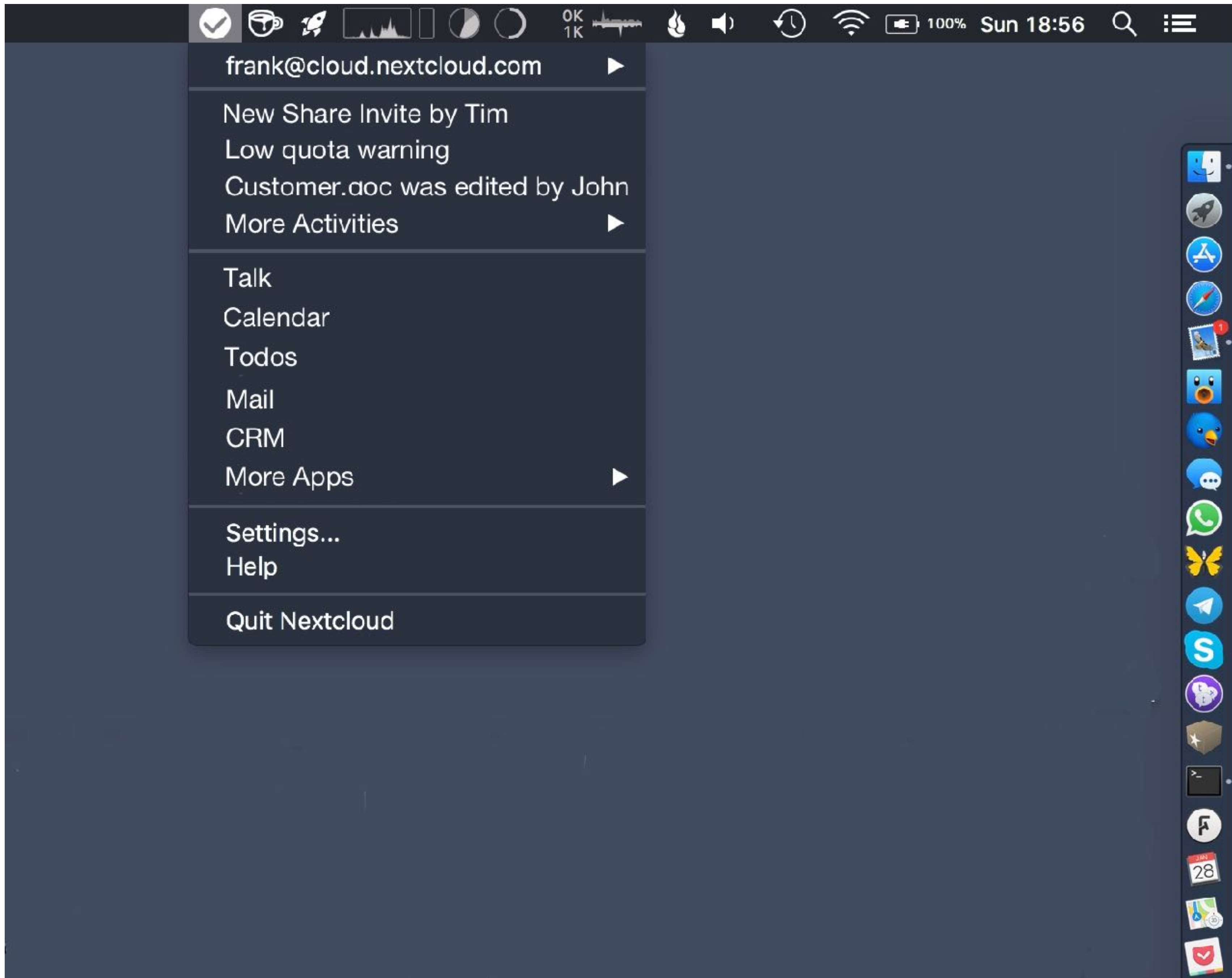
Lorem Ipsum
Lorem Ipsum
Lorem Ipsum

Page 1 of 1 10 words English (United States) Focus 140%









The image shows a desktop environment with a dark theme. At the top, a system tray contains various icons: a checkmark, a microphone, a rocket, a signal strength indicator, a battery icon labeled '100%', and the date and time 'Sun 18:56'. Below the tray, a dropdown menu is open, displaying the following items:

- frank@cloud.nextcloud.com ▶
- New Share Invite by Tim
- Low quota warning
- Customer.doc was edited by John
- More Activities ▶
- Talk
- Calendar
- Todos
- Mail
- CRM
- More Apps ▶
- Settings...
- Help
- Quit Nextcloud

On the right side of the desktop, a vertical dock contains several application icons, including a smiley face, a rocket, a blue triangle icon, a blue circle icon, a photo icon with a red notification badge, a blue bird icon, a blue speech bubble icon, a green speech bubble icon, a yellow butterfly icon, a blue paper plane icon, a blue 'S' icon, a purple icon, a brown shield icon, a black terminal icon, a white 'F' icon, a calendar icon showing '28', a map icon, and a red heart icon.

- Choose person ...
- Test Conversation
 - Arthur Schiwon
 - Jos Poortvliet
 - I have renamed t...
 - Olivier Paroz
 - Weekly Marketing...
 - Matthias Wobben...
 - Roeland Douma
 - Press information...
 - Jan-C. Borchardt
 - Jan-C. Borchardt
 - Nextcloud Positio...
 - Andreas Rode, Oli...
 - Ivan Sein Santiago
 - kuba, massimo, fr...
 - You

Frank Karlitschek 4 minutes ago
Hi guys. This is a test conversation
Let's discuss what we do with this important and interesting document

Björn Schießle 2 minutes ago
Hi Frank,
I think the document is already a good starting point

Matthias Wobben a minute ago
Hi Frank, I agree, let's start with it.

Frank Karlitschek seconds ago
cloud.nextcloud.com/s/PXsz2S5mKcYnq8Z

Frank Karlitschek

New message... →

Test Conversation

Join call

Share link

Participants

Add participant

- Björn Schießle** (moderator)
- Frank Karlitschek** (moderator)
- Matthias Wobben** (moderator)



Test Document

Lorem Ipsum

Lorem Ipsum
Lorem Ipsum
Lorem Ipsum





File Edit View Insert Format Tables Tools Help



Default Style

Calibri

12



Download (15 KB)

Direct link

<https://cloud.nextcloud.com/s/PXs:>

Add to your Nextcloud



Test Document

Lorem Ipsum

Lorem Ipsum

Lorem Ipsum

Lorem Ipsum





nextcloud

Test Document

Lorem Ipsum


Lorem Ipsum
Lorem Ipsum
Lorem Ipsum


This is a good starting point.

Test Conversation

Leave call


Share link

Chat  Participants

 Frank Karlitschek 5 minutes ago


Hi guys. This is a test conversation

Let's discuss what we do with this important and interesting document


 Björn Schießle 3 minutes ago

Hi Frank,


I think the document is already a good starting point

 Matthias Wobben a minute ago

Hi Frank, I agree, let's start with it.

 Frank Karlitschek seconds ago

cloud.nextcloud.com/s/PXsz2S5mKcYnq8Z


 Frank Karlitschek



Test Document

Lorem Ipsum



Lorem Ipsum
Lorem Ipsum
Lorem Ipsum

This is a good starting point.





- 
Document1.docx




21 minutes ago 12 KB

 - 
End-to-end Encryption De...


2 days ago 2.6 MB

 - 
google trends Screenshot_...


2 days ago 46 KB

 - 
scanned document.txt


22 hours ago 507 bytes
- 4 files 2.7 MB



cloud.nextcloud.com

Tables Tools Help

Calibri 10 **B** *I* U ~~S~~ **T**

Test Document

Lorem Ipsum

Lorem Ipsum
Lorem Ipsum
Lorem Ipsum

This is a good starting point.

nextcloud

test folder

Search

- Document1.docx
32 minutes ago 12 KB
- End-to-end Encryption De...
2 days ago 2.6 MB
- google trends Screenshot_...
2 days ago 46 KB
- scanned document.txt
22 hours ago 507 bytes

4 files 2.7 MB

test folder

Search

Document1.docx
26 minutes ago 12 KB

End-to-end Encryption De...
2 days ago 2.6 MB

google trends Screenshot_...
2 days ago 46 KB

scanned document.txt
22 hours ago 507 bytes

4 files 2.7 MB

oud.nextcloud.com

Calibri 10

B *I* U ~~S~~ T

Test Document

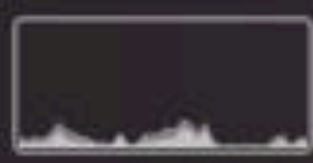
nextcloud

lo rem ips um

Lo rem ips.um
Lo rem ips.um
Lo rem ips.um

This is a good starting point.



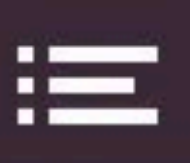


122K
5K



100%

Tue 07:55



Sync Activity

test folder/Document1.docx has been updated.





Meeting

Week 5 of 2018

Day Week Month

Today

- + New Calendar
- Frank
- Personal
- Nextcloud (Nextcloud)
- Vacations (Nextcloud)
- Sales (Olivier Paroz)
- + New Subscription
- Contact birthdays
- Andreas
- Sales (Mathias Conradt)

	Sun 1/28	Mon 1/29	Tue 1/30	Wed 1/31	Thu 2/1	Fri 2/2	Sat 2/3
all-day							
6am							
7am							
8am							
9am				8:45am - 9:45am Planing			
10am							
11am							
12pm							
1pm		1:00pm - 2:00pm Weekly sales					
2pm							
3pm			3:00pm - 4:00pm Weekly	3:30pm - 4:30pm Sales			
4pm							
5pm							
6pm							
7pm							
8pm							
9pm							
10pm							

Planing Meeting

Personal

Starts: 01/31/2018 08:45 AM
 Ends: 01/31/2018 09:45 AM

All day Event

Details Attendees Reminders Repeating

Meeting Chat and Call:
<https://cloud.nextcloud.com/call/wk27>

Meeting Notes:
<https://cloud.nextcloud.com/s/pBnsxyZydd8EXdj>

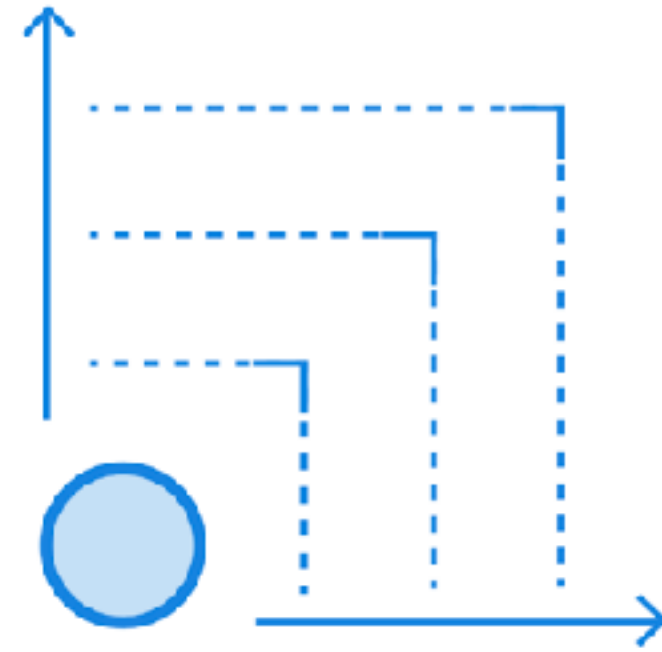
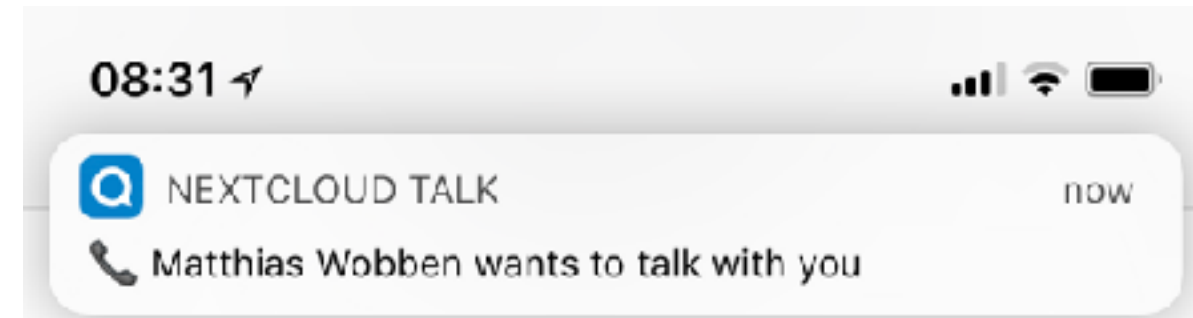
Confirmed

When shared show full event

Delete Cancel

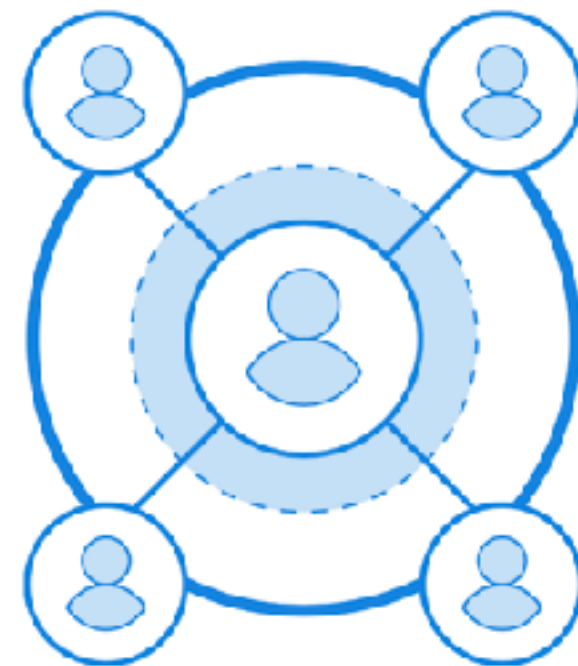
Export

Update

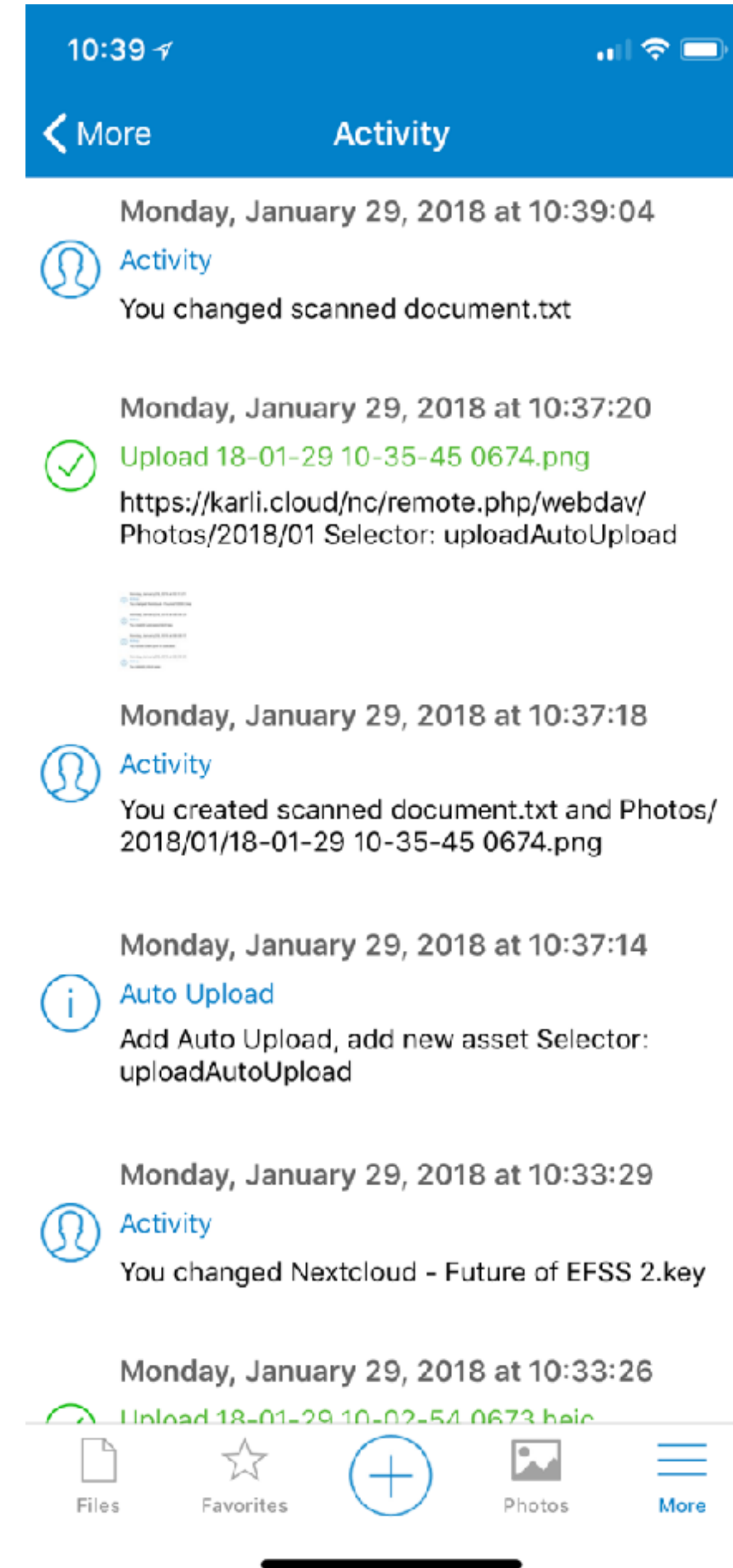


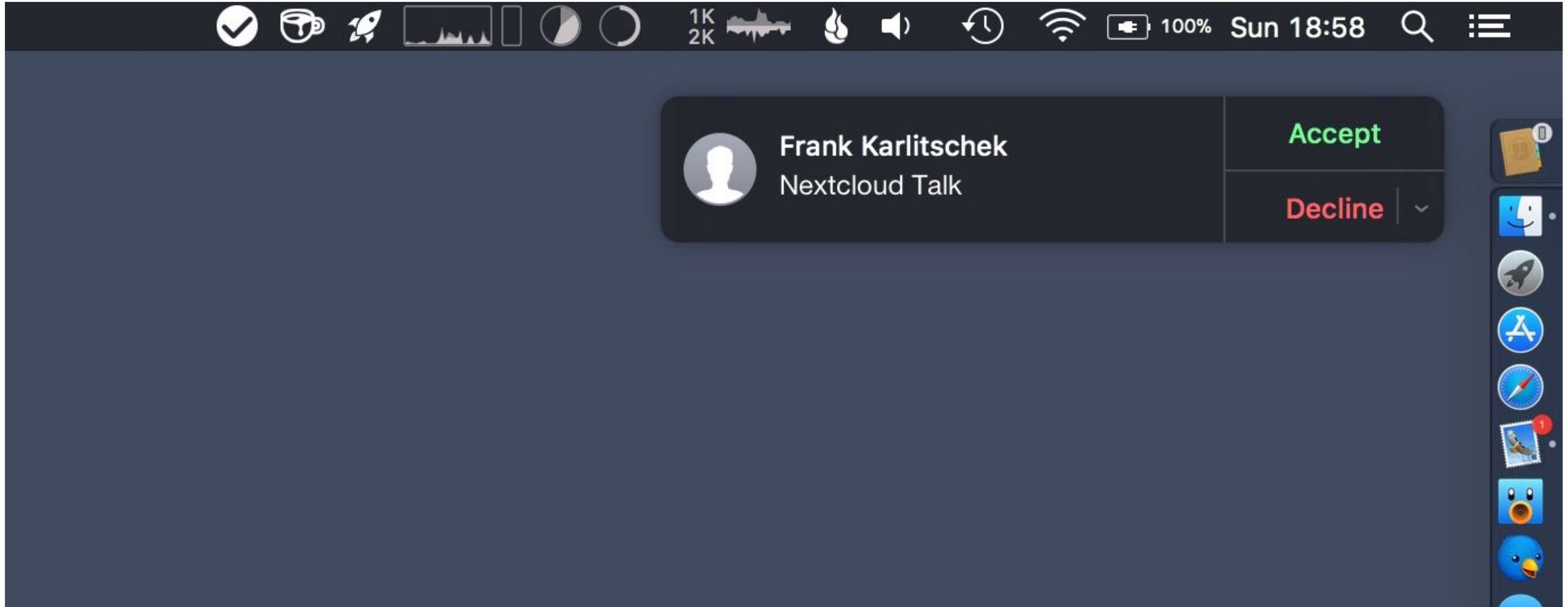
Productivity

Make data available on any platform to your teams. Let them share, collaborate and communicate within and across organizational boundaries.



Community





- Choose person ...
- Test Conversation ...
 - Arthur Schiwon ...
 - Jos Poortvliet ...
 - I have renamed t... ...
 - Olivier Paroz ...
 - Weekly Marketing... ...
 - Matthias Wobben... ...
 - Roeland Douma ...
 - Press information... ...
 - Jan-C. Borchardt ...
 - Jan-C. Borchardt ...
 - Nextcloud Positio... ...
 - Andreas Rode, Oli... ...
 - Ivan Sein Santiago ...
 - kuba, massimo, fr... ...
 - You ...

Frank Karlitschek 4 minutes ago
Hi guys. This is a test conversation
Let's discuss what we do with this important and interesting document

Björn Schießle 2 minutes ago
Hi Frank,
I think the document is already a good starting point

Matthias Wobben a minute ago
Hi Frank, I agree, let's start with it.

Frank Karlitschek seconds ago
cloud.nextcloud.com/s/PXsz2S5mKcYnq8Z

Frank Karlitschek
New message... →

Test Conversation

[Join call](#)

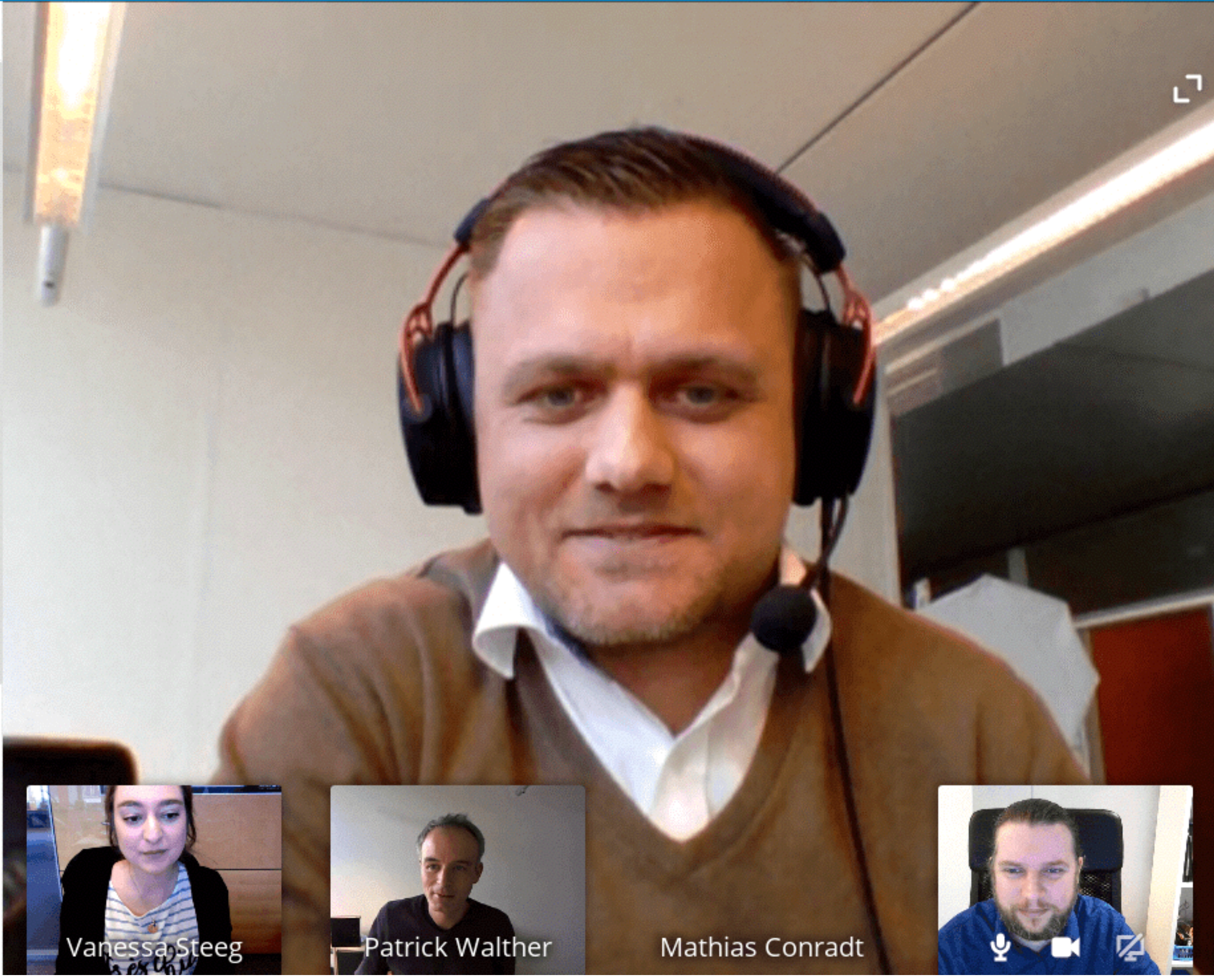
Share link

Participants

Add participant

- Björn Schießle** (moderator)
- Frank Karlitschek** (moderator)
- Matthias Wobben** (moderator)

- Choose person...
- Discuss Nextclou... [More]
 - Press informatio... [More]
 - Mario Danic [More]
 - Nina Cercy [More]
 - Sales Weekly call [More]
 - Mathias Conradt,... [More]
 - Sales [More]
 - Collabora plans [More]
 - Company Call [More]
 - Frank Karlitschek [More]
 - Ivan Sein Santiago [More]
 - I have renamed t... [More]
 - You [More]
 - tomaz [More]
 - F-Droid [More]
 - Lukas Reschke [More]



Discuss Nextcloud Talk

[Leave call](#)

Share link

Chat Participants

Jos Poortvliet 9 minutes ago
Hi team, I'd like to go over Nextcloud Talk features today.

Mathias Conradt 4 minutes ago
Ok

Jos Poortvliet

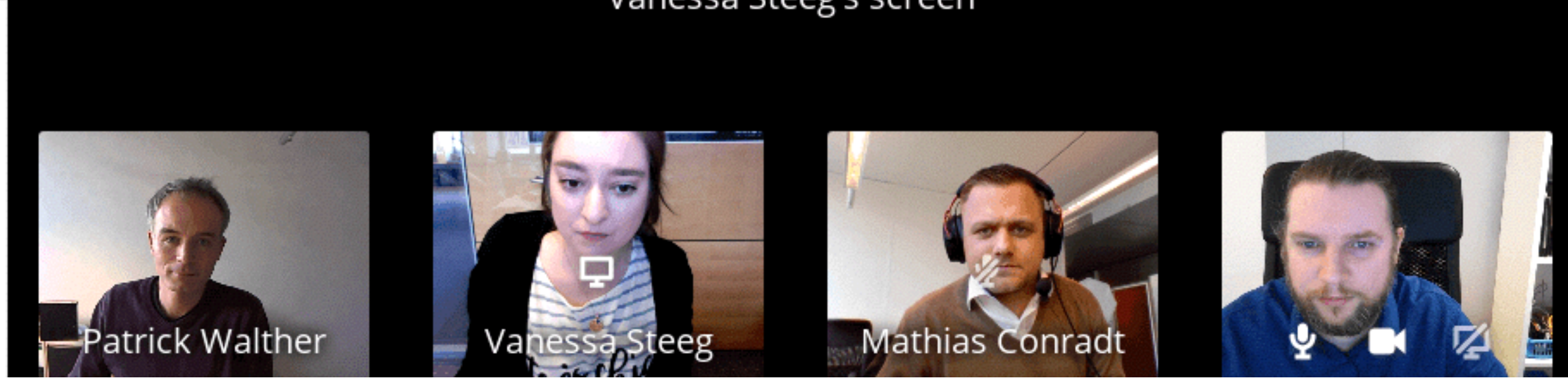
New message... [→](#)

- Choose person ...
- Discuss Nextcloud...
 - Press informatio...
 - Mario Danic
 - Nina Cery
 - Sales Weekly call
 - Mathias Conradt...
 - Sales
 - Collabora plans
 - Company Call
 - Frank Karlitschek
 - Ivan Sein Santiago
 - I have renamed t...
 - You
 - tomaz
 - F-Droid
 - Lukas Reschke

Control over data flow

- Logging and monitoring**
Nextcloud has built-in logging and monitoring capabilities to help you track system health, usage, and troubleshoot issues. Nextcloud also offers advanced logging capabilities for security and auditing purposes.
- Permission**
Nextcloud offers a robust permission system that allows you to control access to data and resources. You can set permissions for individual files and folders, as well as for entire groups and departments.
- Fine-grained File Access Control**
The powerful workflow tools in Nextcloud enable administrators to restrict access to data in a way that is tailored to their specific needs. This includes the ability to restrict access to specific file types, to restrict access to specific users or groups, and to restrict access to specific actions.
- Encryption**
Nextcloud offers a robust encryption system that allows you to protect your data from unauthorized access. You can choose to encrypt your data at the file level, or you can choose to encrypt your data at the folder level.
- Virus scanning**
Nextcloud offers a robust virus scanning system that allows you to protect your data from malware. You can choose to scan your data for viruses, or you can choose to scan your data for malware and other threats.
- Data Retention**
Nextcloud offers a robust data retention system that allows you to control how long your data is stored. You can choose to retain your data for a specific period of time, or you can choose to retain your data indefinitely.

Vanessa Steeg's screen



Discuss Nextcloud Talk

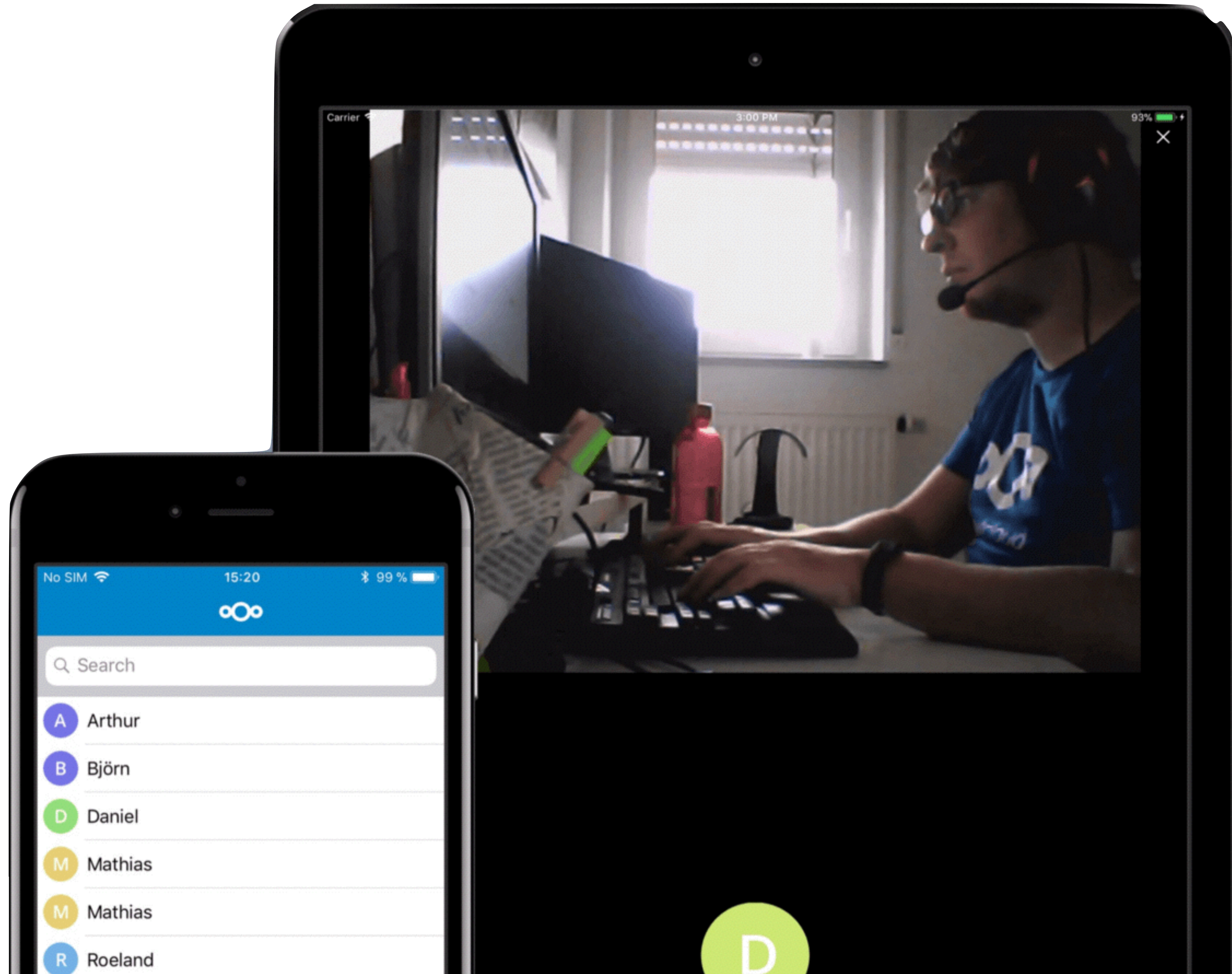
[Leave call](#)

Share link [→](#)

Chat | **Participants**

Add participant

- Jos Poortvliet (moderator)
- Mathias Conradt (moderator)
- V Vanessa Steeg (moderator)
- Patrick Walther
- Guest





Document Workflow



- All files
- Recent
- Favorites
- Shared with you
- Shared with others
- Shared by link
- Tags
- Deleted files
- Settings



Name	Size	Modified
peter.pdf	101 KB	6 days ago
peter_OCR.pdf	47 KB	seconds ago
thedom.png	132 KB	6 days ago
thedom_OCR.txt	< 1 KB	6 days ago
welcome.txt	< 1 KB	6 days ago
5 files		281 KB

- All files
- Recent
- Favorites
- Shared with you
- Shared with others
- Shared by link
- Tags

test folder

Name	Size	Modified
scanned document.txt	< 1 KB	2 minutes ago
google trends Screensh... .png	46 KB	a day ago
End-to-end Encryption D...odp	2.6 MB	a day ago
3 files		2.7 MB

Test document

Lorem Ipsum Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

scanned document.txt

★ < 1 KB, 2 minutes ago

Tags

- Invoice
- review
- pi
- snap
- ubuntu core
- work in progress

No comments yet, start the conversation!

- All files
- Recent
- Favorites
- Shared with you
- Shared with others
- Shared by link
- Tags

test folder

Name	Size	Modified
scanned document.txt	< 1 KB	5 minutes ago
google trends Screensh... .png	46 KB	a day ago
End-to-end Encryption D...odp	2.6 MB	a day ago

3 files 2.7 MB

Test document

Lorem Ipsum Lorem ipsum dolor sit amet, consetetur sadipscid elitr, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occididunt nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occididunt nisi ut aliquip ex ea commodo consequat.

scanned document.txt

< 1 KB, 5 minutes ago

Invoice review

Activities **Comments** Sharing Versions

Frank Karlitschek

New comment ...

Frank Karlitschek a minute ago

Björn Schießle

Can you review this invoice please?



Nextcloud Sharing

John wants to share folder 'test project' with you.
Click to accept or reject



Nextcloud Calendar

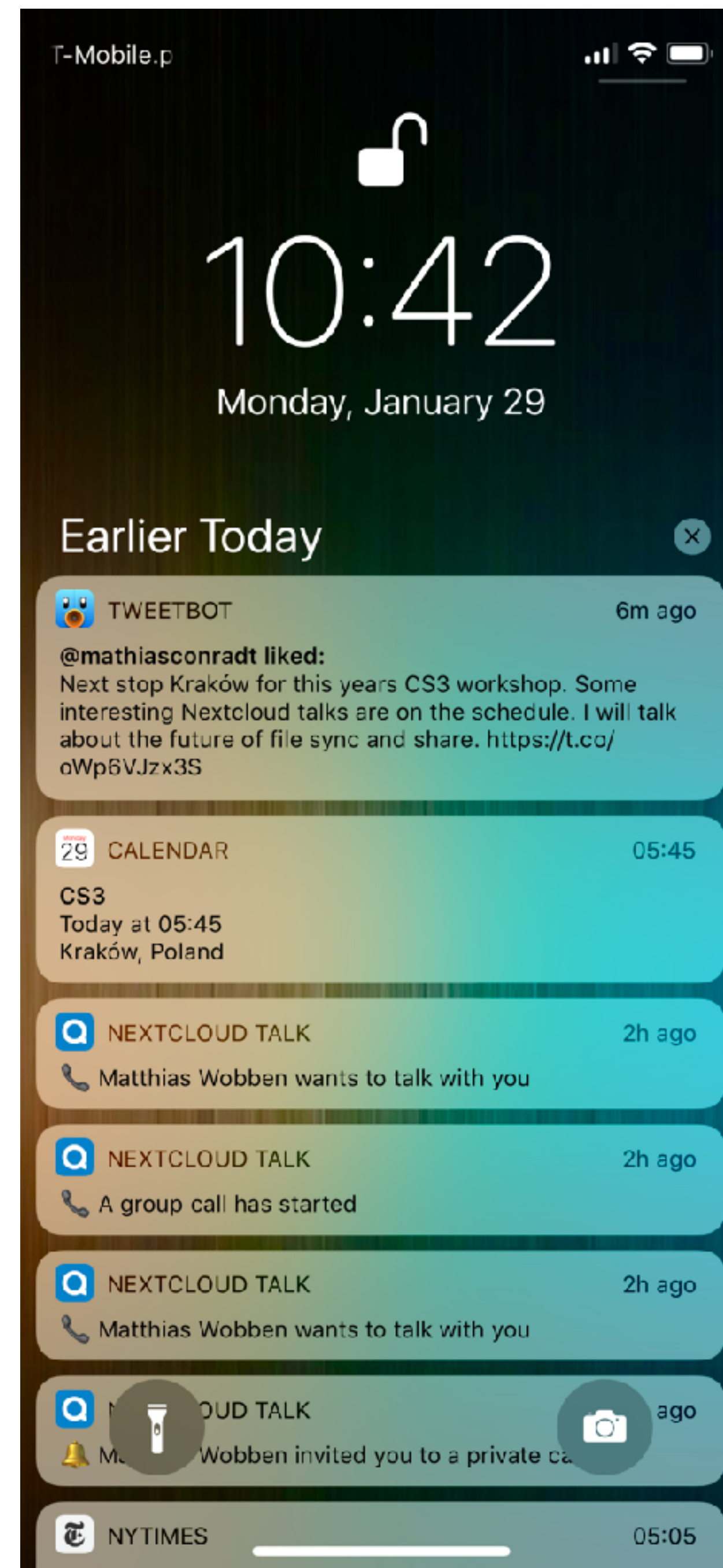
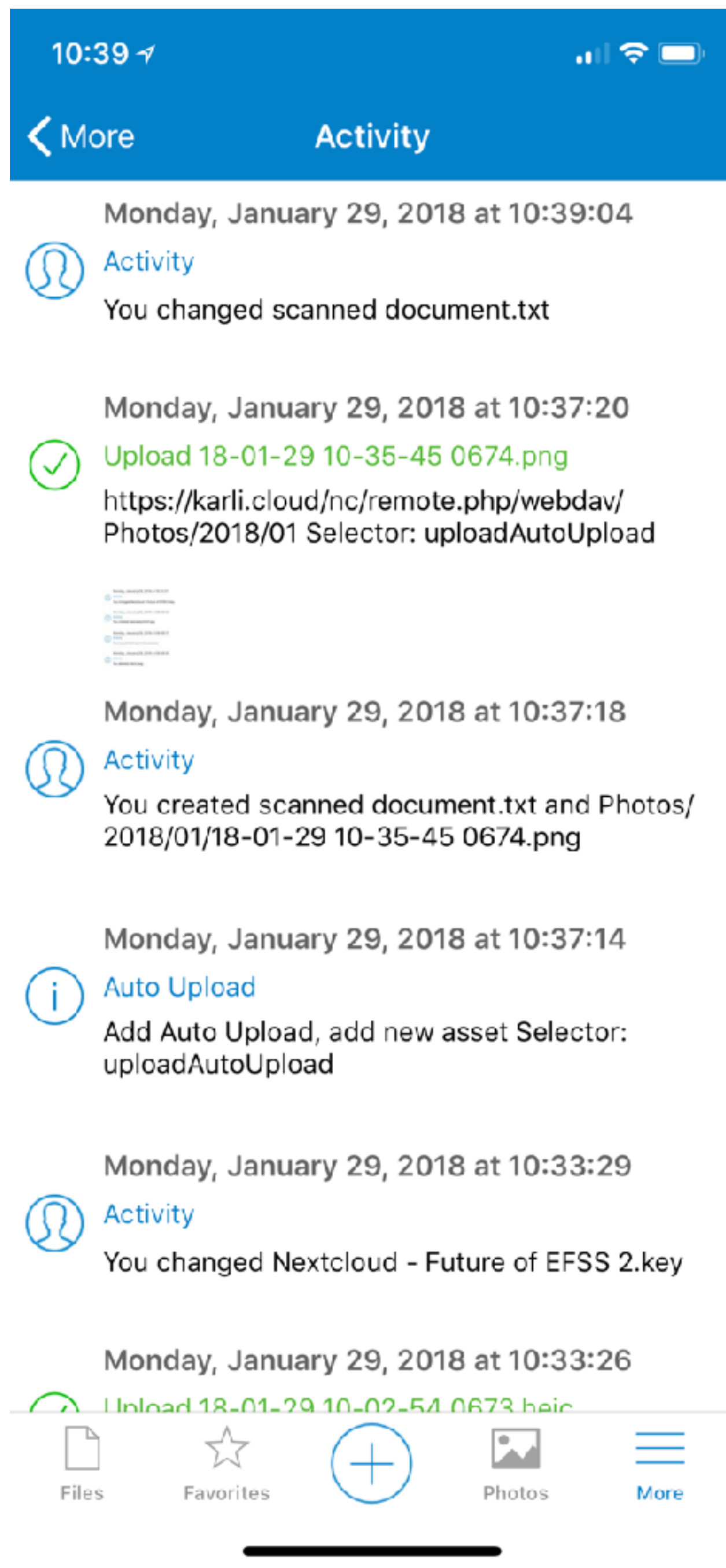
Tim invited you to a meeting.
Click to accept or reject



Nextcloud Comment

Jos mentioned you in a comment at 'migration plan'.
Click to respond





- Server settings
- Server info
- Sharing
- External storages
- Theming
- Encryption
- File access control
- Usage report
- Logging
- Additional settings
- Tips & tricks

Files automated tagging

Each rule group consists of one or more rules. A request matches a group if all rules evaluate to true. On uploading a file all defined groups are evaluated and when matching, the given collaborative tags are assigned to the file.

tagbig pictures x picture

File mime type (upload) ▼	is ▼	image/jpg	
User group membership ▼	is member of ▼	testers	
File mime type (upload) ▼	is ▼	image/png	
File size (upload) ▼	greater or equals ▼	10 MB	

Add rule

Add rule group

File retention

Tag	Retention Time	
picture	10 days	

Days ▼
Create

- Server settings
- Server info
- Sharing
- External storages
- Theming
- Encryption
- File access control**
- Usage report
- Logging
- Additional settings
- Tips & tricks

File access control

Each rule group consists of one or more rules. A request matches a group if all rules evaluate to true. If a request matches at least one of the defined groups, the request is blocked and the file content can not be read or written.

Keep .docx internal				
User group membership	is member of	testers		
File mime type (upload)	is	text/docx		
Request remote address	does not match IPv4	192.168.1.1/32		
Add rule				

Save **Reset**

Add rule group



Mail

+ New message

frank@nextcloud.com

Inbox

Favorites

Drafts 4

Sent












Archive

Junk

Trash

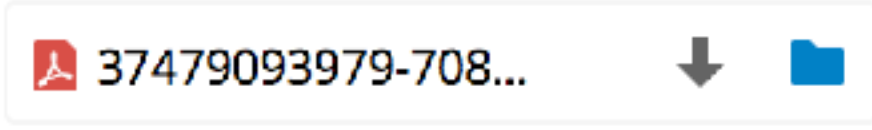
Collapse folders

Settings

-  Jos Poortvliet via Nextclo... 8 hours ago
Jos Poortvliet shared »proposal.md«...
-  ACC Cyfronet AGH 10 hours ago
Reminder for Workshop on Cloud S...
-  Frank Karlitschek 12 hours ago
Staatstrojaner: Die digitale Inquisitio...
-  Frank Karlitschek 15 hours ago
Nextcloud Talk: Echtzeit-Kommunik...
-  Jos Poortvliet 21 hours ago
About the contributors...
-  Patrick Walther 2 days ago
Re: Hi
-  Jos Poortvliet 2 days ago
First draft
-  Daniel Schreiber 2 days ago
Keynote zu den Chemnitzer Linux-T...
-  Julius Härtl 3 days ago
Re: personal assistent
-  Jos Poortvliet 3 days ago
Re: Fwd: AW: Nextcloud News
-  Jos Poortvliet 3 days ago

Reminder for Workshop on Cloud Services for Synchronisation and Sh...

ACC Cyfronet AGH to you Copyright © 2018 Eventbrite. All rights reserved.



from Frank Karlitschek <frank@nextcloud.com>

to "ACC Cyfronet AGH" <noreply@eventbrite.com> + cc/bcc

- > PM
- > Organized by ACC Cyfronet AGH DON'T FORGET YOUR TICKETS
- > Mobile Tickets Available on App Store Add to Wallet or Paper Tickets Open the
- > email attachment
- > or download here QUESTIONS ABOUT THIS EVENT?
- > Contact the organizer at michal.orzechowski@cyfronet.pl ABOUT THIS EVENT
- > Monday, January 29, 2018 at 10:00 PM - Wednesday, January 31, 2018 at 7:00 AM
- > (CET)Department of Computer Science
- > D-17, Kawioro 21, Krakow
- > 30-055 Kraków
- > PolandAdd to my calendar: Google· Outlook· iCal· Yahoo CREATE YOUR OWN EVENT
- > Anyone can sell tickets or manage registration with Eventbrite. Learn More
- > DISCOVER GREAT EVENTS
- > Find local events that match your passions. See events This email was sent to
- > frank@nextcloud.com Eventbrite | 155 5th St, 7th Floor | San Francisco, CA
- > 94103Copyright © 2018 Eventbrite. All rights reserved.

Upload attachment Add attachment from Files

Forward

Reply

- All files
- Recent
- Favorites
- Shared with you
- Shared with others
- Shared by link
- Tags

> Mails sent to files@artificial-owl.com > From maxence@nextcloud.com >

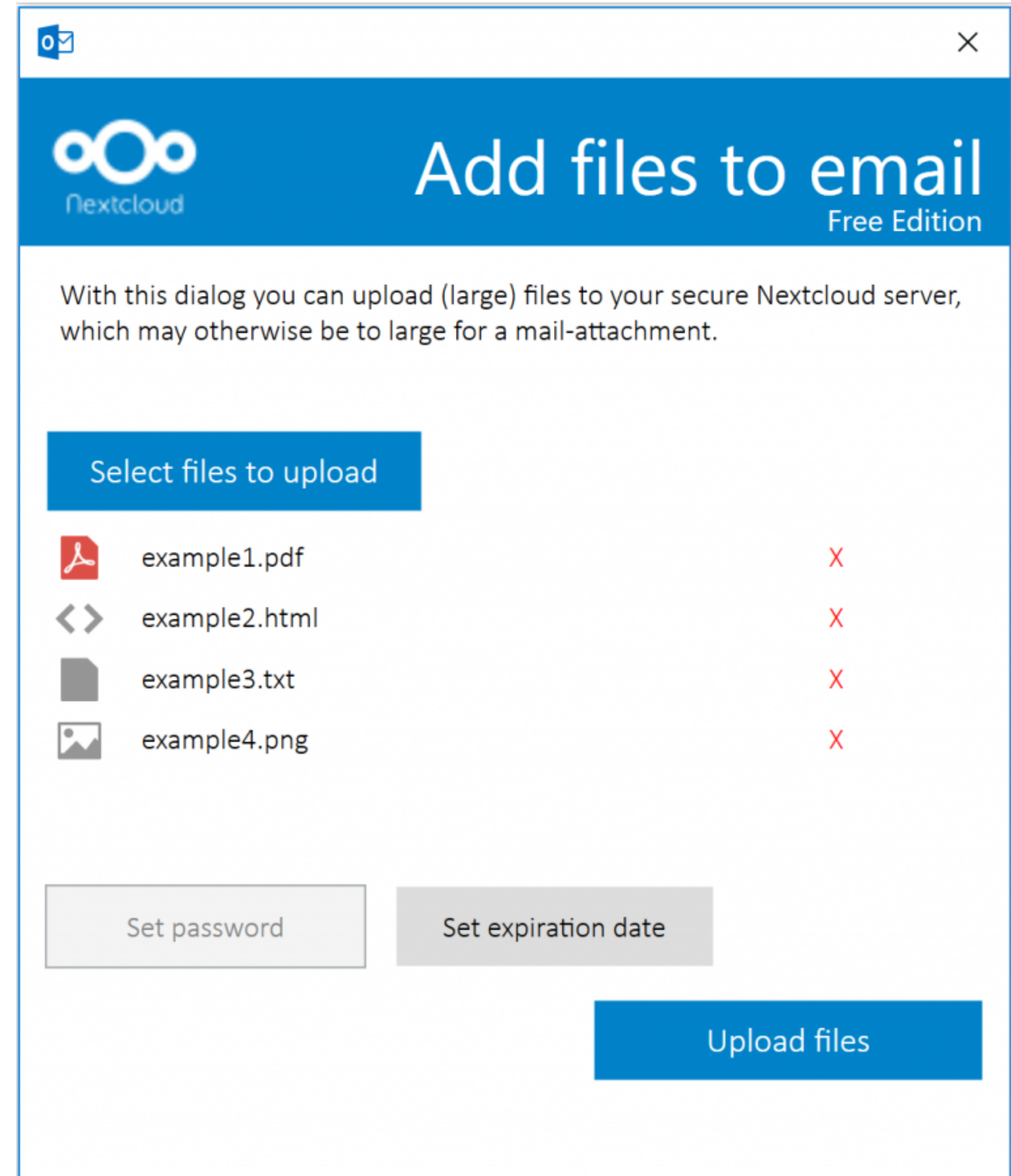
Name ▲

- From 0102
Return-Path:
X-Original-
Delivered:
Received-5 2017-10-29 10:17:48-0_mail-Documents to print.txt
- 2017-10-29 10:17:48-1_attachment-IMG_20170311_162557.jpg
- 2017-10-29 10:17:48-2_attachment-IMG_20170313_084913.jpg

3 files

- Outlook plugin
- Thunderbird plugin

- Attachment handling
- Automatic uploading
- Automatic generation of sharing links
- Calendar / Contacts



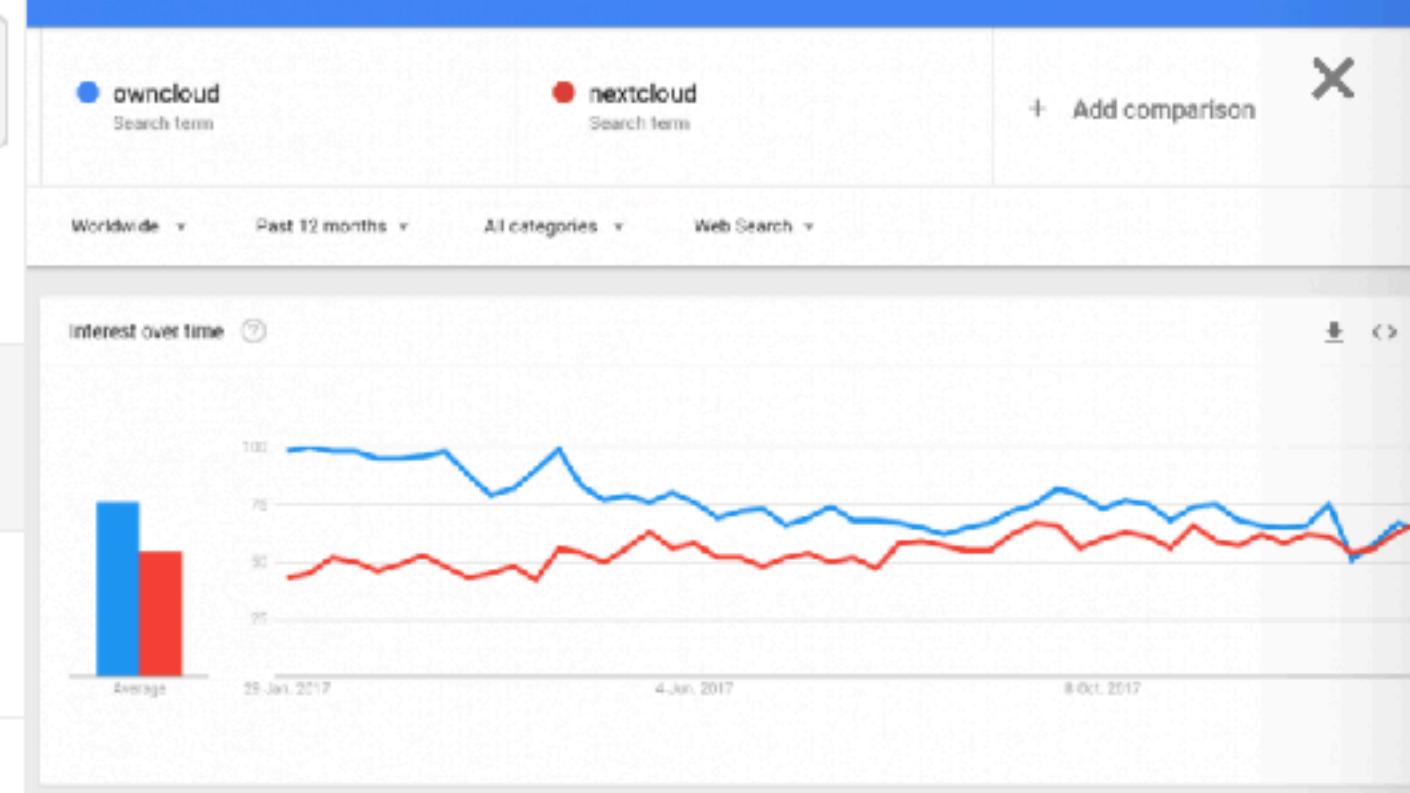
- All files
- Recent
- Favorites
- Shared with you
- Shared with others
- Shared by link
- Tags

- Deleted files
- 723.5 MB used
- Settings

test folder

Name	Size	Modified
google trends Screenshot_20180123_105... .png	46 KB	seconds ago
End-to-end Encryption Design.odp	2.6 MB	3 minutes ago

2 files 2.7 MB



google trends Screenshot_20180123_10534...
★ 46 KB, seconds ago

Activities Comments Sharing Versions

test@test.de *i*

- Share link
- https://cloud.nextcloud.com/s/8d9SsEfCLek87za
- Allow editing
- Password protect
- Set expiration date



Projekt Management

- Alle Boards
- Archivierte Boards
- Geteilte Boards
- App Development
- Business
- Server Setup
- Neues Board erstellen

App Development

Neuen Stapel hinzu + [Trash] [List Icon]

Backlog

Mobile App

+

ToDo

Documentation

in 11 Tagen

Public API Specification

+

In Work

Icon Design

vor 3 Tagen

CSS Design

Beta Release

vor einer Minute

+

Test

Setup Databases

Bugfix

in 11 Tagen

- Alle Boards
- Archivierte Boards
- Geteilte Boards
- App Development
- Business
- Server Setup
- Neues Board erstellen

App Development

Backlog

Mobile App

+ (Add button)

Neuen Stapel hinzu +

ToDo

- Documentation
in 11 Tagen
- Public API Specification

+ (Add button)

Documentation

Geändert: vor 5 Minuten Erstellt: vor 9 Minuten von djoma

Später x

2017-06-30 22:20

Beschreibung *i*

What is Markdown

The [wikipedia markdown entry](#) introduced markdown as :

Markdown is a lightweight markup language with plain text formatting syntax. It is designed so that it can be converted to HTML and many other formats using a tool by the same name. Markdown is often used to format readme files, for writing messages in online discussion forums, and to create rich text using a plain text editor. As the initial description of Markdown contained ambiguities and unanswered questions, many implementations and extensions of Markdown appeared over the years to answer these issues.

Markdown in Deck

The Deck application plugin uses the [markdown-it](#) script to offer support for markdown in the cards description field.

Supported Markdown

Markdown comes in many flavors. The best way to learn markdown and understand how to use it, is simply to [try it](#) on the original script official playground. That same link offers also a comprehensive list of what is supported, and what is not - rendering it unnecessary to duplicate that content in here.

- All Boards
- Archived boards
- Shared boards
- 2. board
- Test board**
- Create a new board

Test board

Add a new stack +

Very Important Todo

Todo 1

Foo bar 1

in 16 days

Foo bar 2

Assign user

Very Important Todo

19 days ago

Assign users

Test entry

improve stuff

in a month

+ Add new card

Modified: 3 minutes ago Created: an hour ago by Frank Karlitschek

Tags

Select tags

Assign users

Assign users dropdown menu:

- jos@nextcloud.com
- Talk to Jos Poortvliet
- Remove user from card

Due date

2018

Description

This is a very important todo. This is critical for success and world domination.



Summary

Federated Collaboration is the next
challenge

Nextcloud

Alternative to

Dropbox
Google Suite
Office 365

but

Self hosted
100% open source
Distributed / Federated



Questions