



Cross-organizational collaboration with **Nextcloud federation**



This is a Nextcloud webinar



Webinar topics

- (1) Introduction to Nextcloud
- (2) Federation in general
- (3) Federation in Nextcloud
- (4) User Story TU Berlin
- (5) Security angle of federation
- (6) Questions and answers





Your webinar hosts



Bastian Derigs
Sales Engineer at Nextcloud



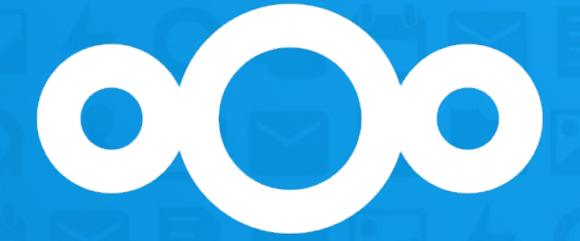
Fabrice Mous
Lead Generation Team Lead at Nextcloud



1 Introduction to Nextcloud COO







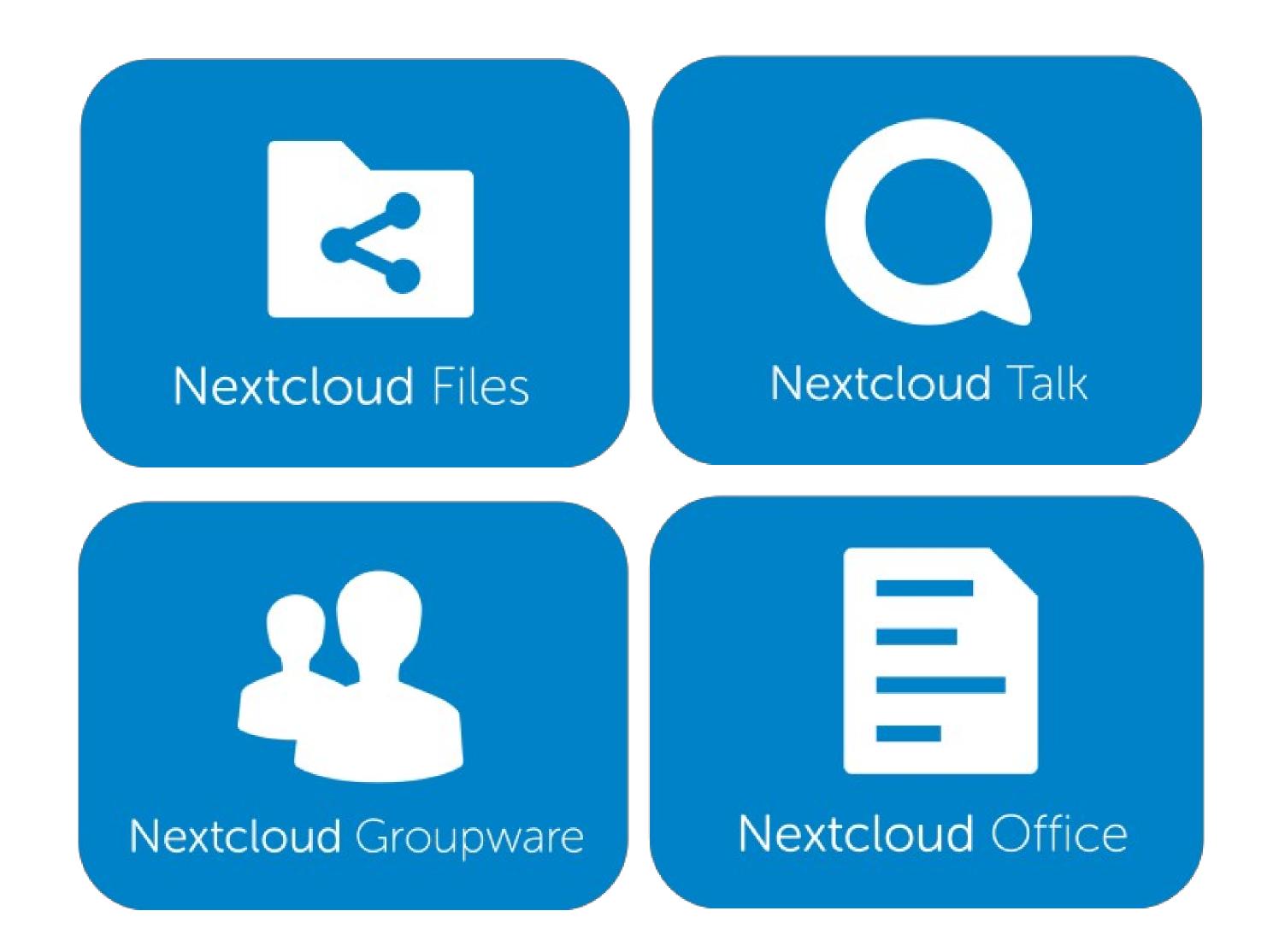
The Nextcloud mission

We enable companies and organizations to run their own secure content collaboration platform.

Google Docs Industry direction MS 365 Efficiency Dropbox **Network Drive** Floppy disk Time



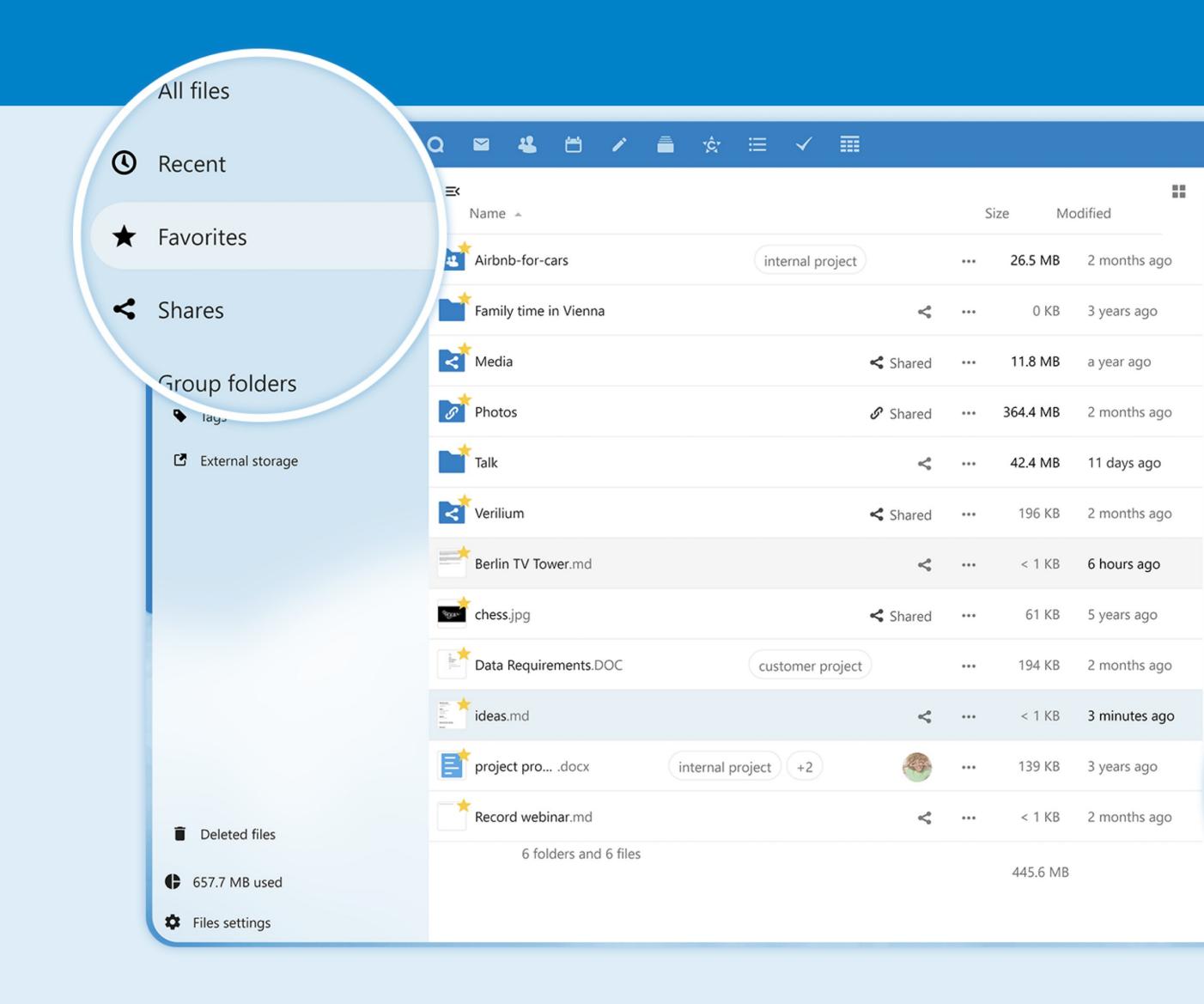
Nextcloud Hub





Nextcloud Files

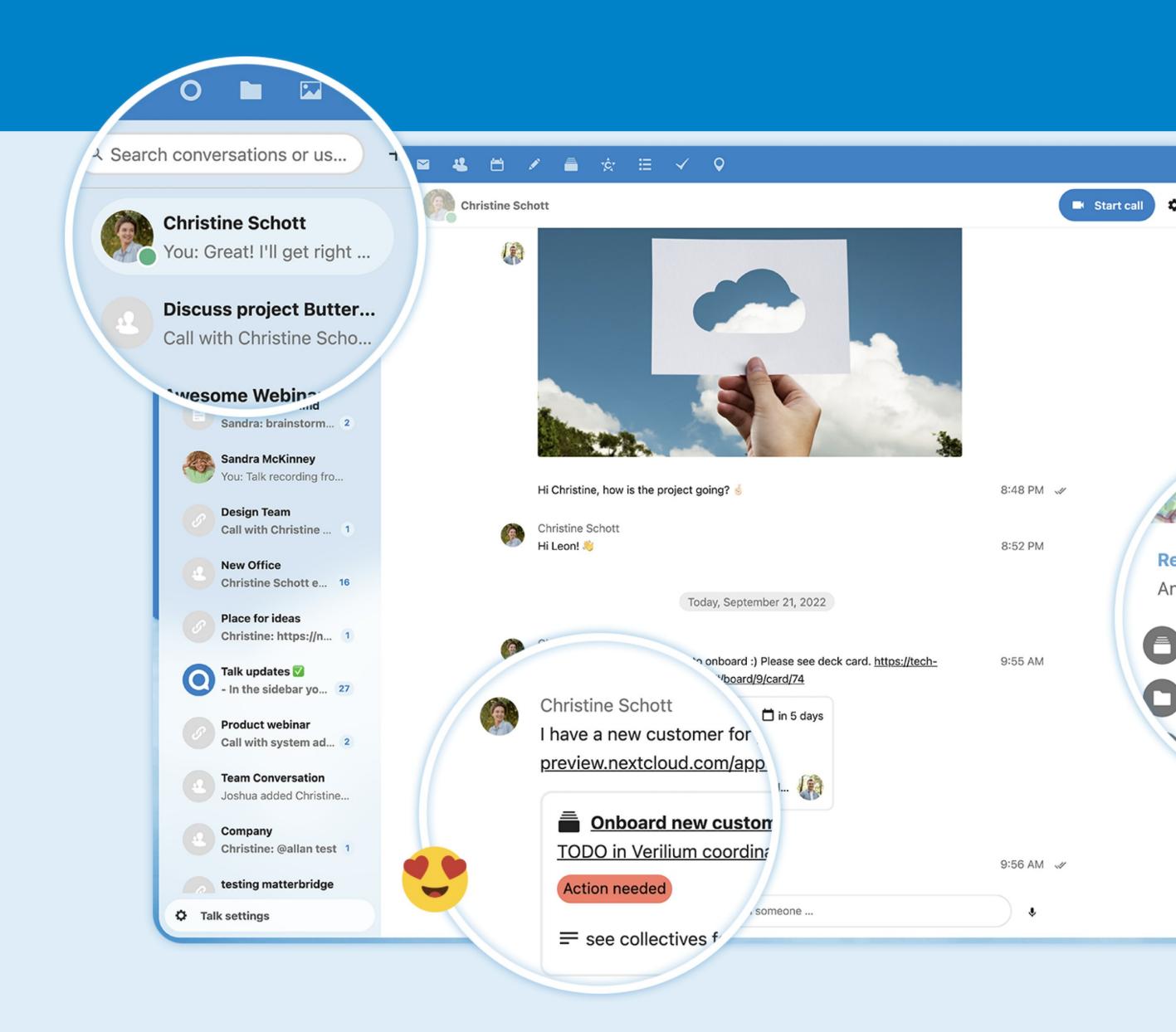
- Files available anywhere
- Web, mobile and desktop clients
- ✓ Integrates with NFS, FTP, WND, SharePoint and more
- Outlook integration
- Collaborative document editing
- Comments, search and tagging
- Guest accounts, file-drop, workflow management





Nextcloud Talk

- Real-time communication with chat and video
- Web and mobile clients
- Integration with Files
- Private, Group, public calls
- Screensharing, waiting lobby
- Commands for integration in other tools

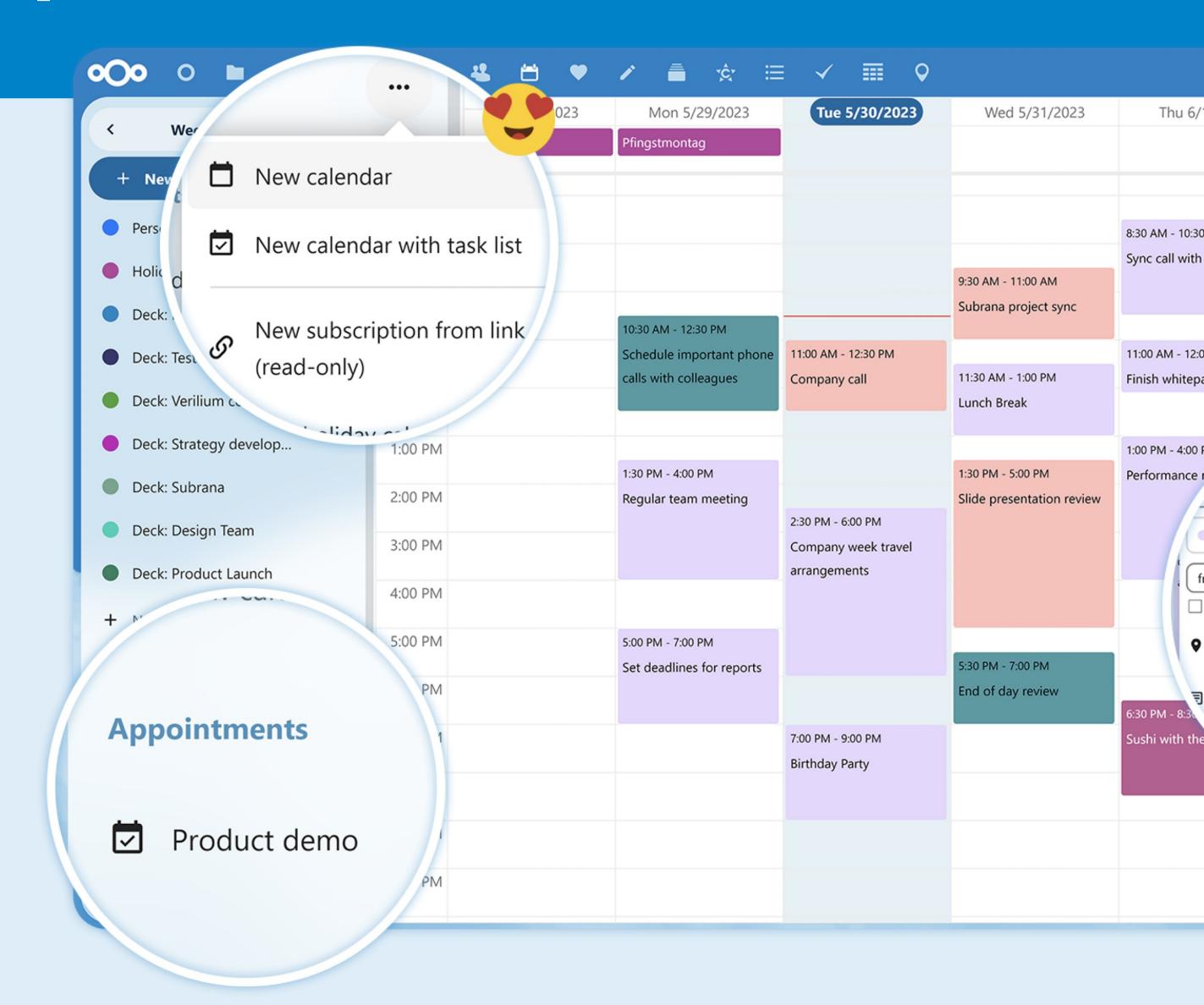






Nextcloud Groupware

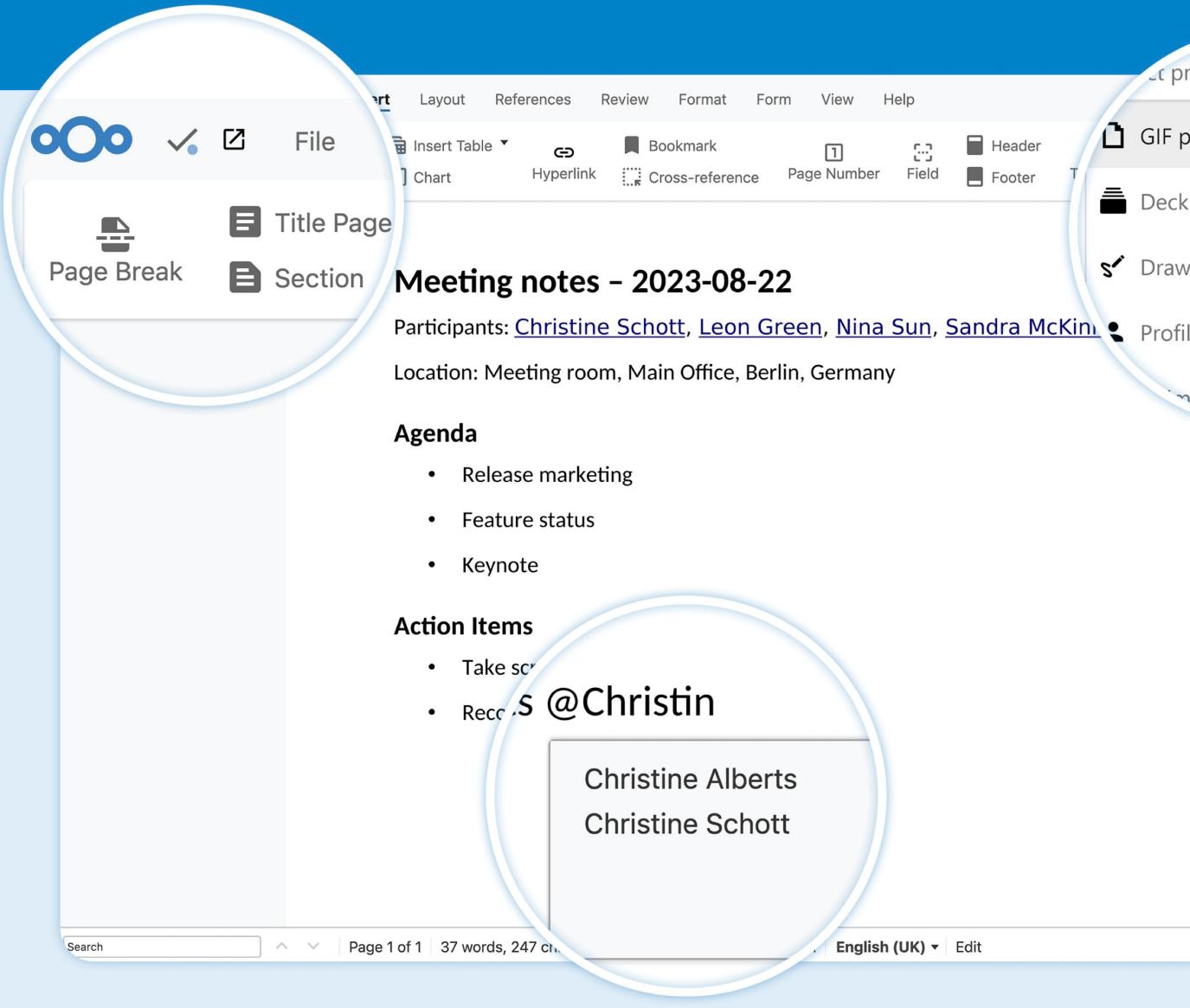
- Web mail, calendaring and task management
- Standards-based integration
- Well integrated with Files and Talk
- Outlook integration





Nextcloud Office

- Real-time document collaboration
- Supports all major file formats
- Well integrated with Talk and Files
- Templates, watermarks
- Knowledge management



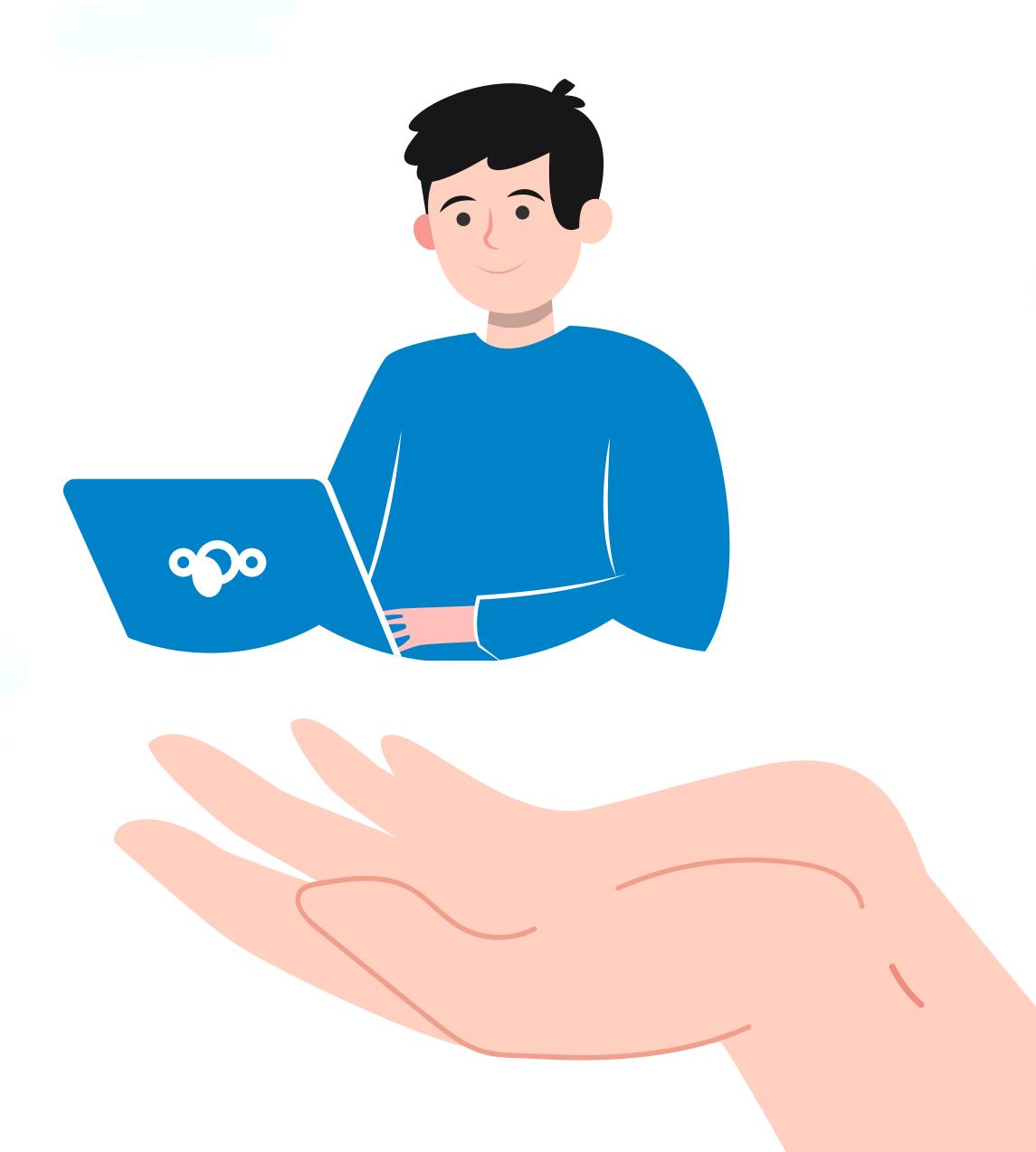


Nextcloud the project

Nextcloud is is listed among the top three most active open source projects on Open Hub¹, indicating a high level of community engagement and contributions.

This open source ethos is a driving force behind Nextcloud's growth and its ability to offer a digitally sovereign content collaboration platform

1. Nextcloud stats page on Black Duck Open Hub | https://www.openhub.net/p/nextcloud





Nextcloud the company

- · Headquarter in Stuttgart, Germany and Office hub in Berlin
- · Over 400,000 Nextcloud servers online
- · Over 20 million users worldwide
- · Growing revenue by 75% in 2022
- · Growing user base by 10x in 2022.







Why do enterprises use Nextcloud?



Manage cost and remote work

Improve efficiency and facilitate remote work through online collaboration technology, meet compliance requirements, manage cost and data leak risk



Protect sensitive data

Ensuring that data is only accessible for authorized purposes and it is stored and managed for the designated period of time



Meet compliance regulations

Legal and practical risks are mounting for public cloud storage, especially when crossing country borders



Paperless office

Provide a flexibility to employees to work from anywhere and any device

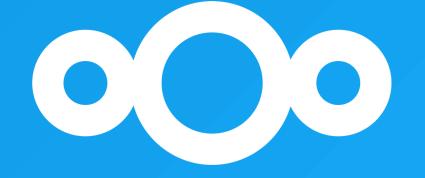


Secure collaboration with external parties

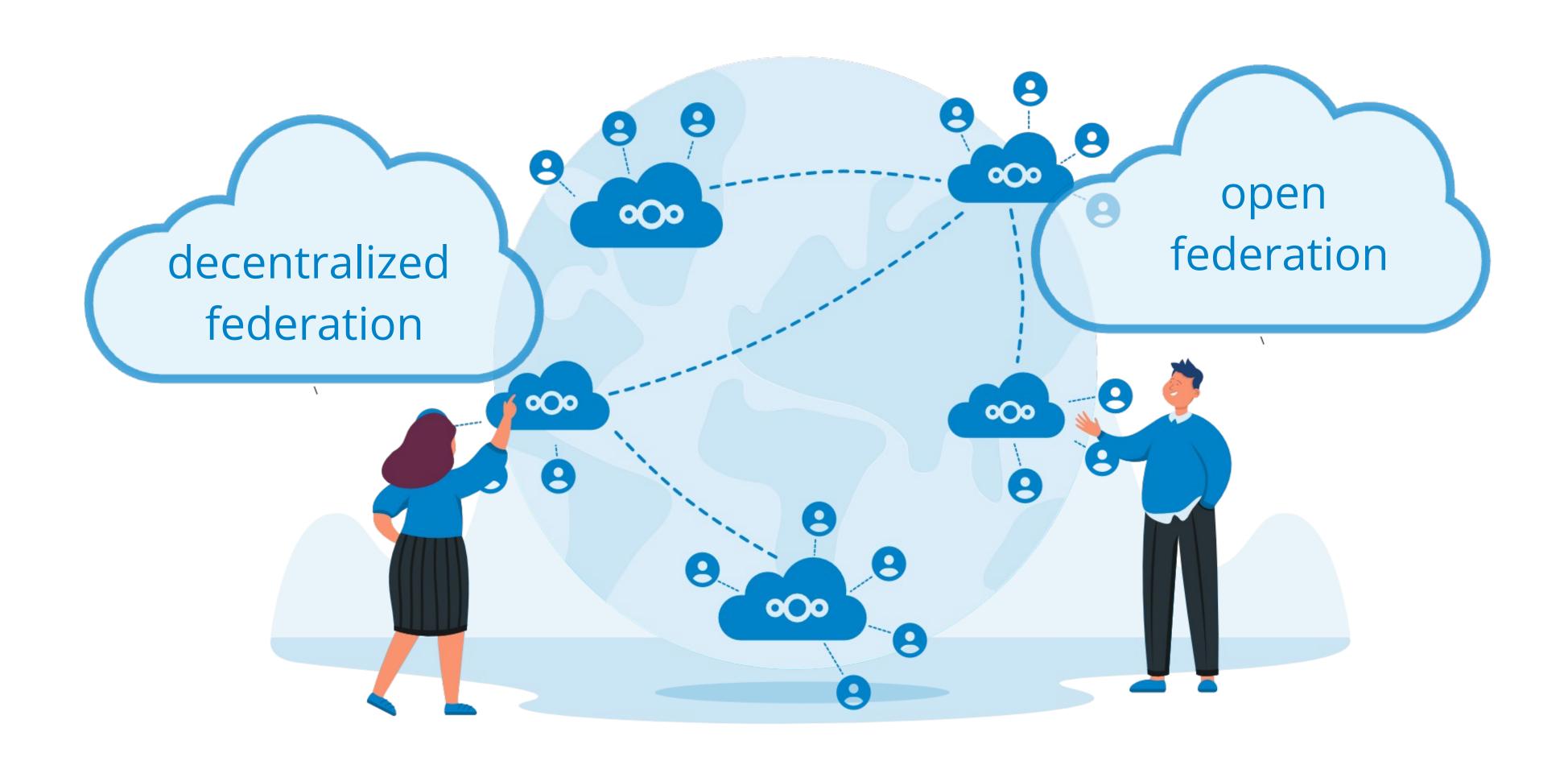
Need to work cross-functional with teams within their location or the location where they provide their services



2 Federation in general



Federation in general







Benefits of federation

- Interoperability

 Make systems work together
- Autonomy of nodes

 Let them operate separately
- Data sovereignty

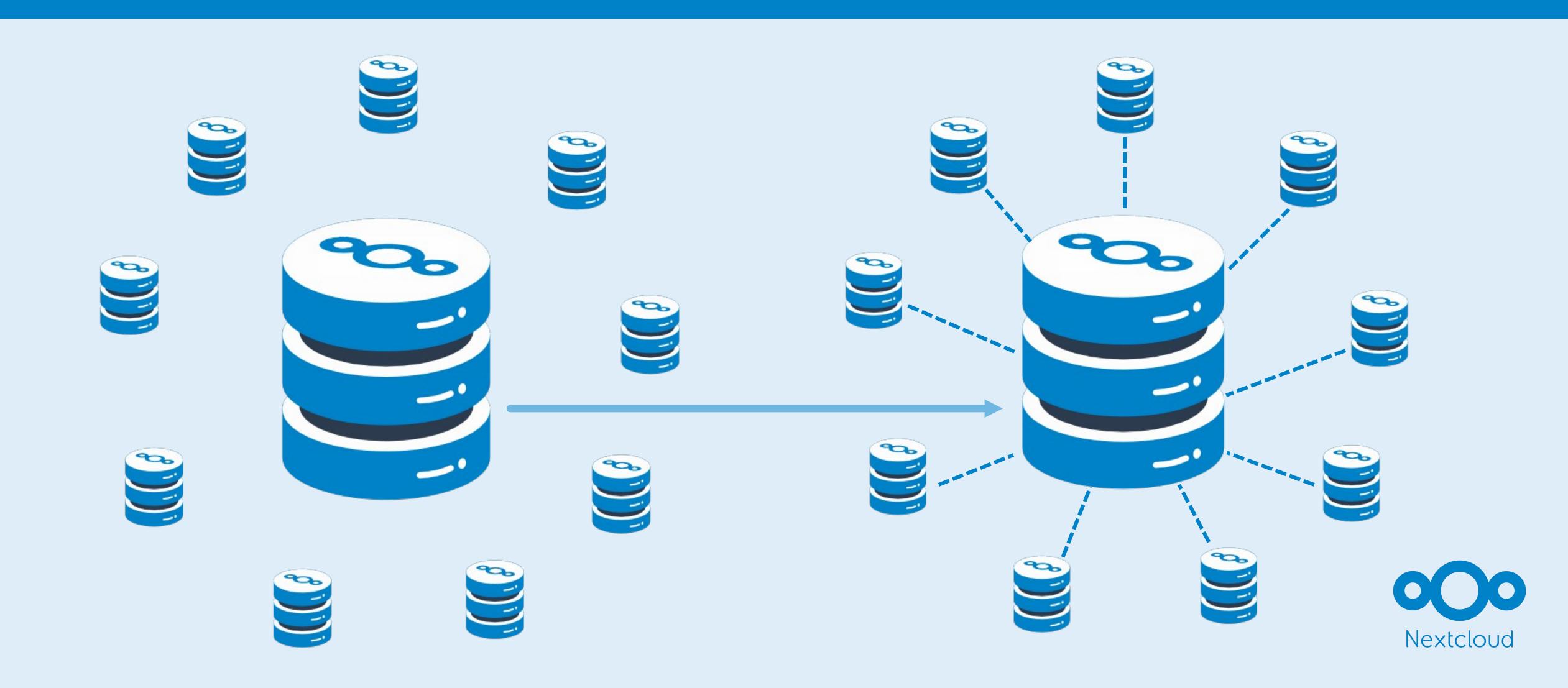
 Control your own data
- Scalability
 Scale only your environment
- Cost-effectiveness

 Fewer resources, fewer licenses

3 Federation in Nextcloud COO



Federation in Nextcloud



- Option 1 : Add a server
- Option 2 : Share only a file/folder
- Option 3 : Add a public link share







Option 1: Add a server

Trusted servers

Federation allows you to connect with other trusted servers to exchange the user directory. For example this will be used to auto-complete external users for federated sharing. It is not necessary to add a server as trusted server in order to create a federated share.

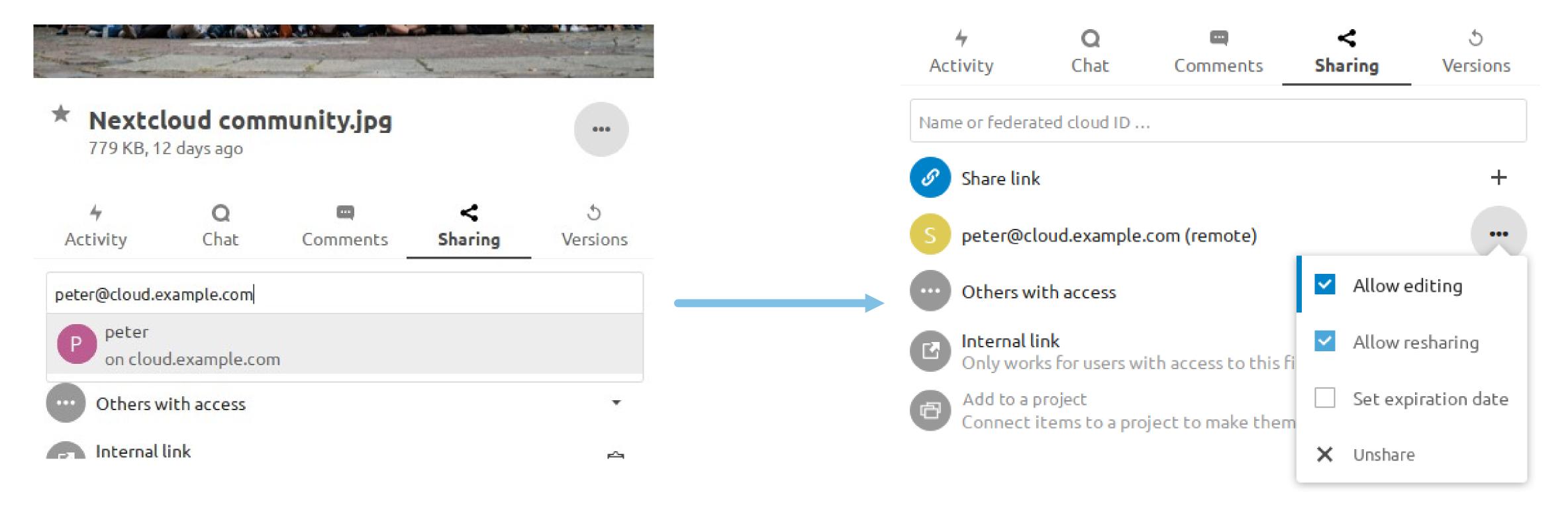
- https://localhost/federation
- https://server2
- https://server3

+ Add trusted server





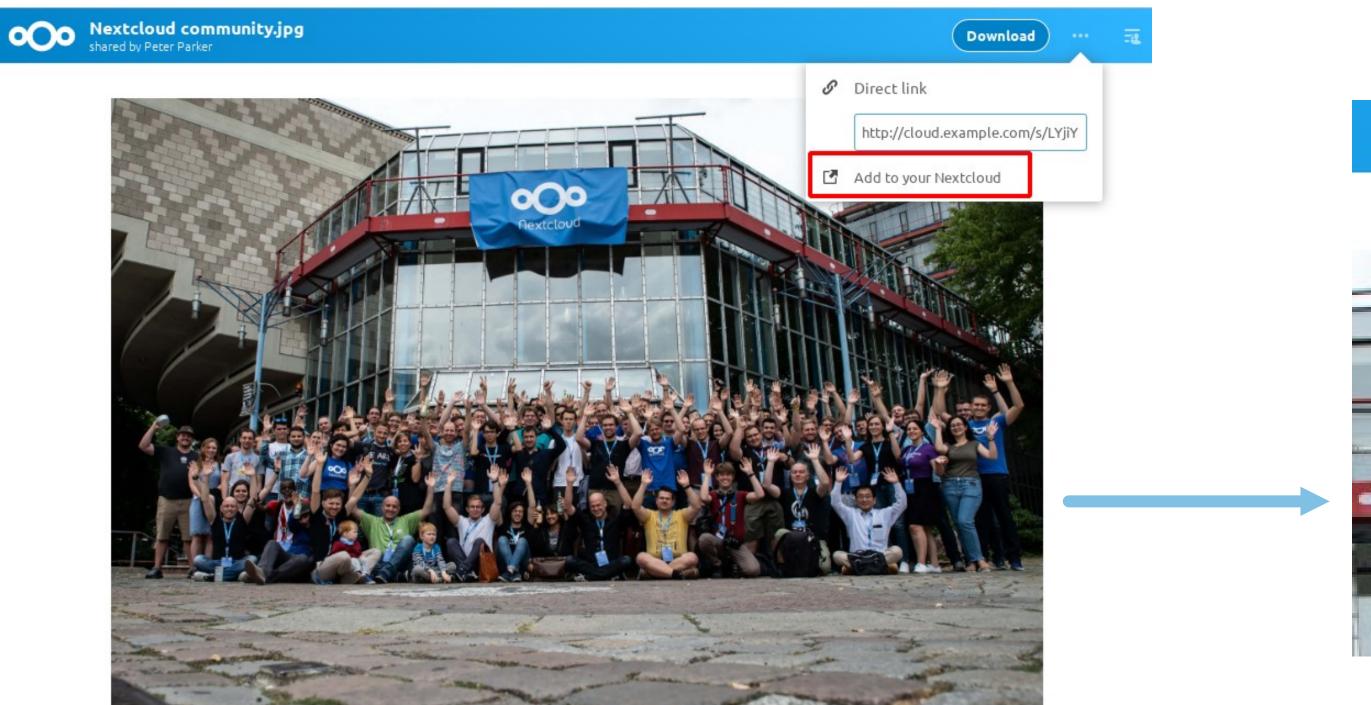
Option 2: Share only a file/folder

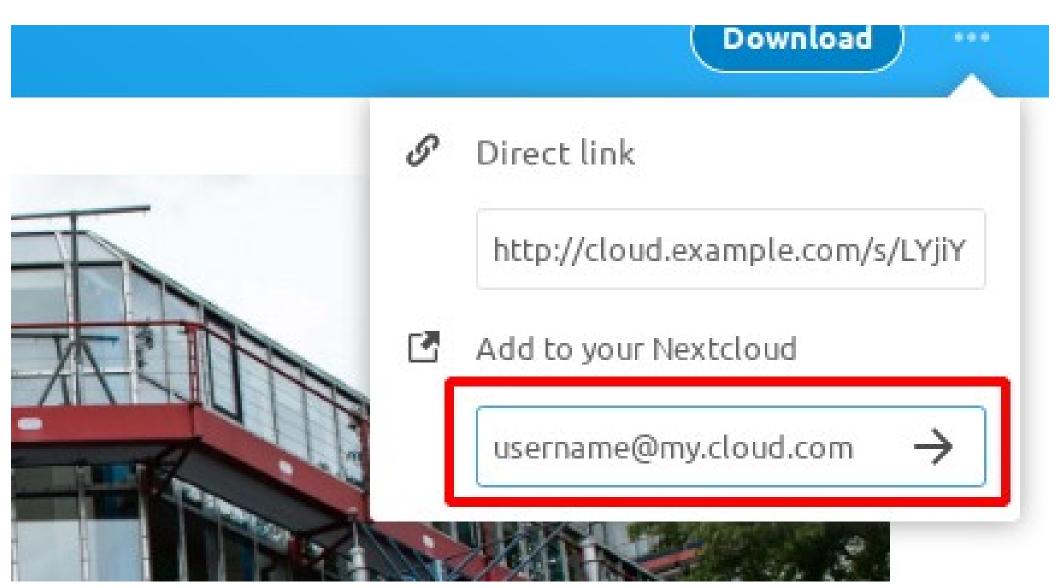






Option 3: Add a public link share

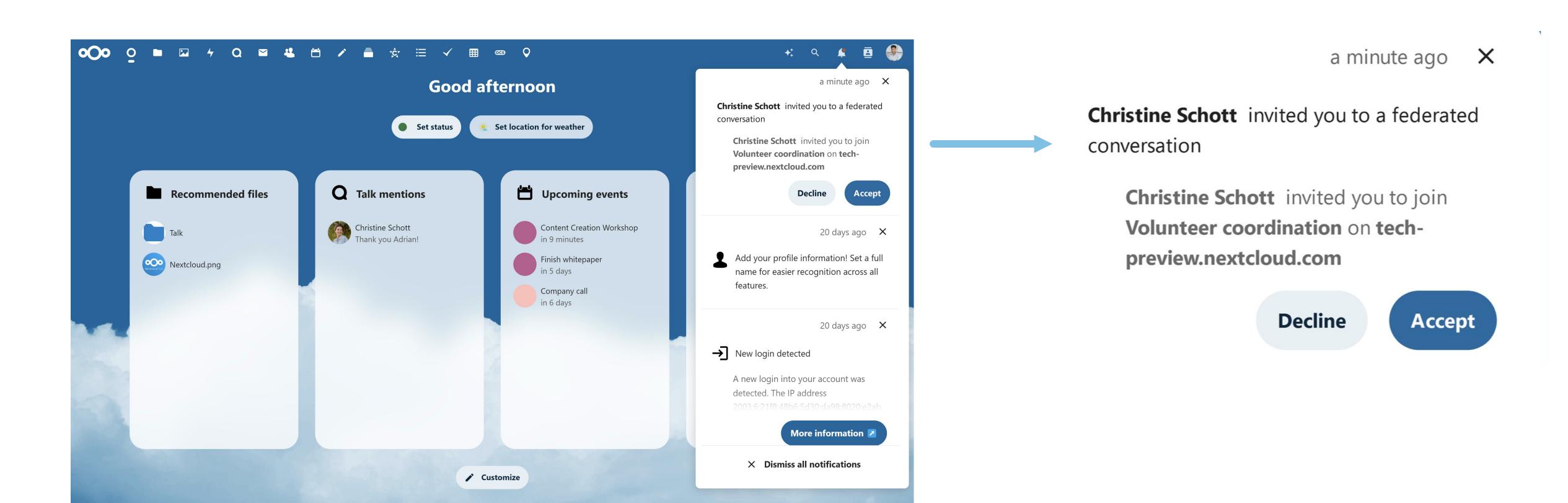




Nextcloud - a safe home for all your data

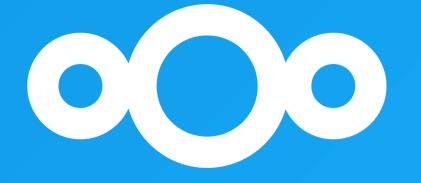


Federation in Nextcloud Talk sharing

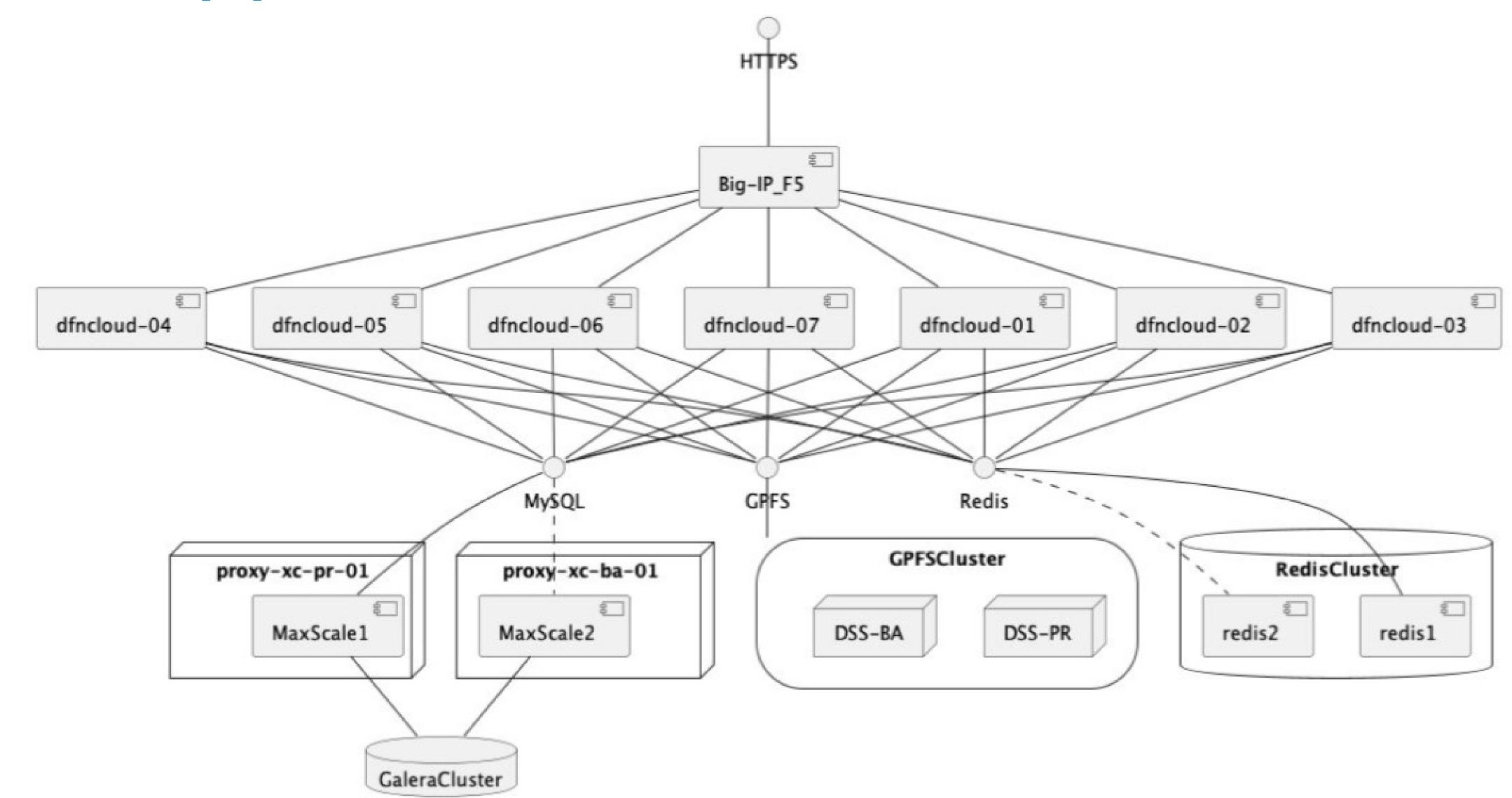




4 User story TU Berlin



TU Berlin (1)

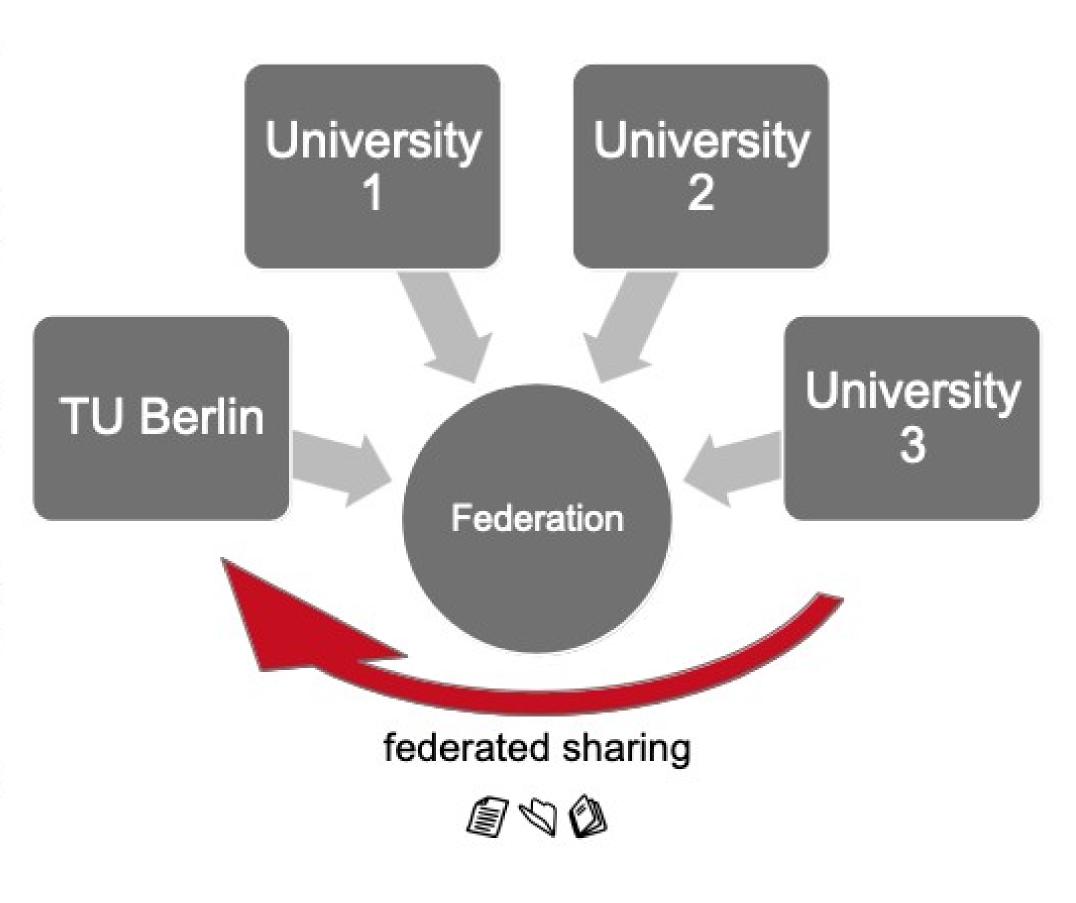




TU Berlin (2)

organisational Univer-1st level support sity 1 contracts, legal stuff Hardware... Nextcloud as a service, 2nd level support 3rd level support, development, ... Nextcloud

technically





5 Security angle of federation CO



Security angle of federation (1)





Granular security policies

Use your own

Reduced single point of failure Keep running





Security angle of federation (2)



User side

- →Experation dates
- →Password protection



Server side

- →Default experation dates
- →Enforce password protection



6 Questions and answers







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