



Seamless Sharing in the ownCloud Platform

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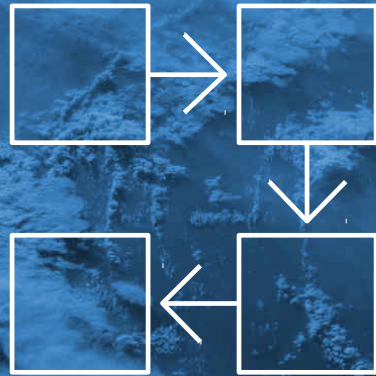
Seamless Collaboration

Increasing productivity through collaboration



- Collaboration = Sharing + Notifications + Tools
- Seamless
 - Intuitive UX
 - Easy and quick access to all relevant information
 - Avoid media disruptions
 - Self-service for users





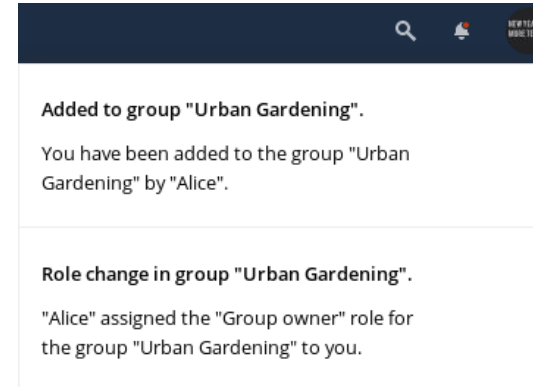
Notifications

Notifications

Know what's happening



- Current state of notifications
 - Activity summary mails
 - Some internal notifications (e.g., fed sharing, custom groups)
 - Some user-triggered mail notifications
- Notifications hub as a core component
- 1) Mail notifications for all events
- 2) Internal notifications for all events
- 3) Mobile notifications for all events



Notifications

Know what's happening



- Ongoing: Add notification events (collaboration, admin-specific, user management)

Notifications

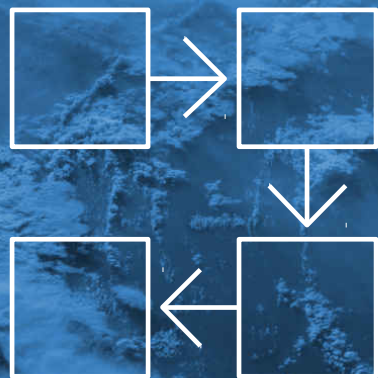
Stream	Mail	Desktop	Mobile	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A new file or folder has been created
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A new file or folder has been modified
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A new file or folder has been deleted
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Share invitation received
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Share invitation accepted by another user
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A comment has been posted on a file
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Receive activity digest on these channels

Event-driven Communication



Poll → Push: A living collaboration platform

- Today
 - Noticing events triggered by other users in the Web UI requires a page reload (e.g., file operations in shared folders, comments, notifications)
 - Clients need to poll the APIs to fetch new events (performance impact)
- New technology: Event-driven communication (message queue / router)
- Requires external infrastructure
- Opens up diverse possibilities
 - Interactive real-time platform (notifications, dynamic file view, progress bars, etc.)
 - Performance & efficiency increase (e.g., push events to the clients)
 - Prerequisite for Infinite Scale technologies (e.g., workers for asynchronous background processing)



Sharing

Accepted, pending & rejected shares

Control and overview for users



	Name	Status	Shared by	Shared on
📁	Aenean massa.	PENDING	Klaus ✓ ⌘ ⋮	a minute ago
📁	Cum sociis natoque penatibus	PENDING	Susi ✓ ⌘ ⋮	a minute ago
🔗	Donec quam felis, ultricies nec		Markus ⌘ ⋮	a minute ago
🔗	Nulla consequat massa quis enim.		Angela ⌘ ⋮	a minute ago
📁	Donec pede justo, fringilla vel, aliquet nec	REJECTED	Jochen ✓ ⋮	a minute ago
📁	In enim justo, rhoncus ut, imperdiet a	REJECTED	Felix ✓ ⋮	a minute ago
📁	Nullam dictum felis eu pede mollis pretium.	REJECTED	Axel ✓ ⋮	a minute ago

You received "/Product Presentation February 2018.odp" as a remote share from pmaier@https://cloud.owncloud.com/



Decline Accept

Links

Simple ways for quick sharing

- Currently two types of links
 - Private Link
 - Public Link
- UI improvements
- Personalize public link invitations
- Grouped link shares
- Unified links



 Product Presentation February 2018.odp  ✕
★ 13 KB, 3 days ago

<https://cloud.owncloud.com/index.php/f/4275181>

Create link share: /Projects ✕

Link Name

Projects for Max

Read only

Users can view and download contents.

Read & Write

Users can view, download, edit and upload contents.

Upload only (File Drop)

Receive files from others without revealing the contents of the folder.

Password

Choose a password

Expiration

31-01-2018

Send link via email

max@mustermann.de

Send copy to self

Hi Max,
please work on this with me.

Share

Cancel

Request concept

Intuitive ways to avoid media disruptions and extend self-service



- Basic idea
 - Users can issue requests to other users
 - Recipient is notified and can accept/decline
- Use cases
 - End-user transfer share ownership
 - Access to private links (request regular share / guest access / public link)
 - Agreement on impersonation
 - Request permission promotion for shares
 - Access to expired shares

Wrap-up

Facilitating collaboration by focusing on core features

- Extensible & future-proof notification system
- Interactive real-time collaboration
- Consistency & control for internal sharing
- Intuitive, streamlined external sharing
- Closing usability gaps to avoid media disruptions



Thank You

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