



The Nextcloud apps ecosystem

CS3 2019

Agenda

- Use cases
- A selection of apps
- Apps store
- Your apps ?
- Questions

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Use cases

- Collaboration
- Improve workflows
- Bridges with external applications
- Viewers
- Inter-app communication

Endless possibilities



Apps - Categories

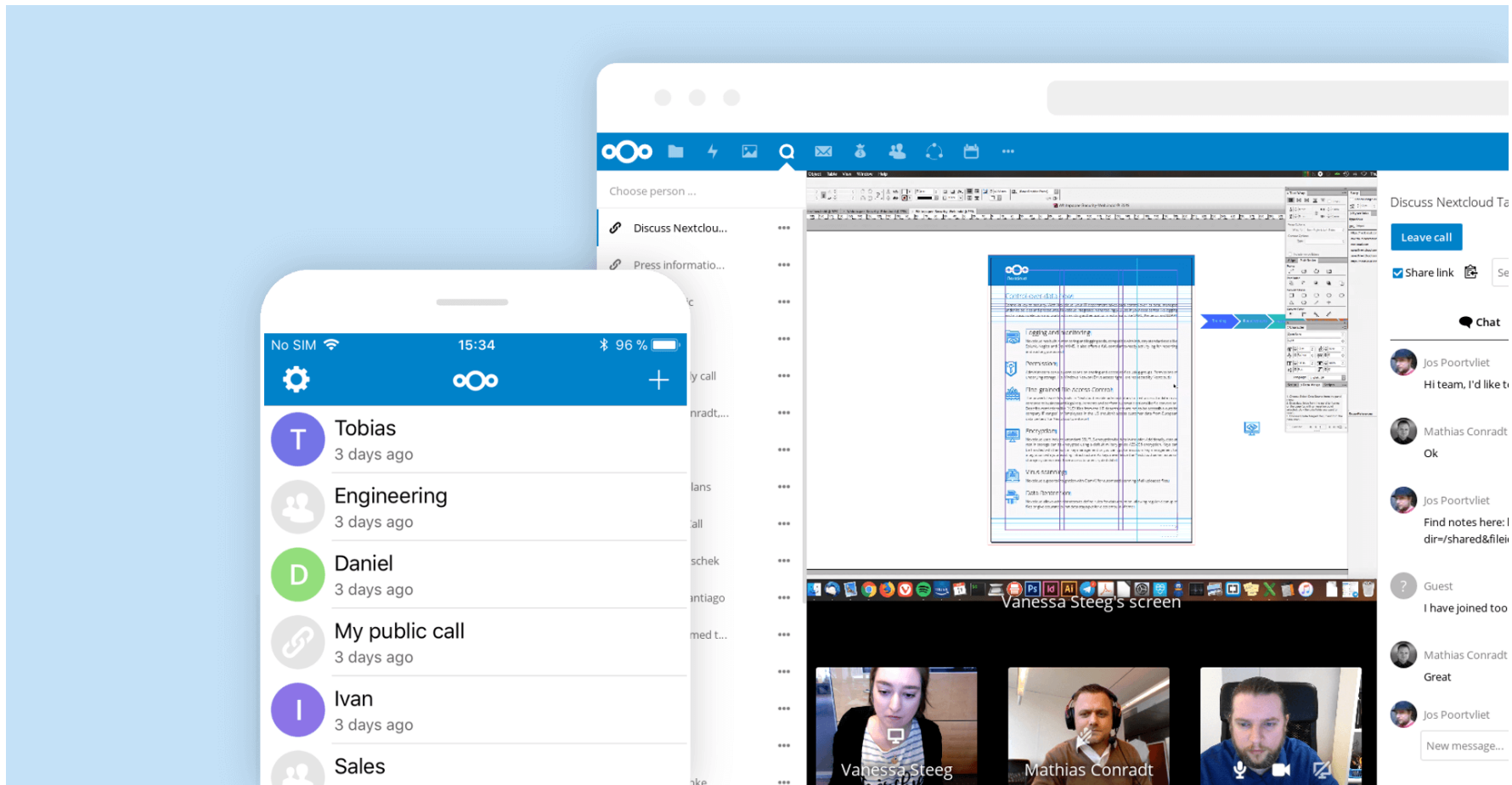
- Collaboration
- Education
- Productivity
- Medical
- Authentication
- Reporting
- Other



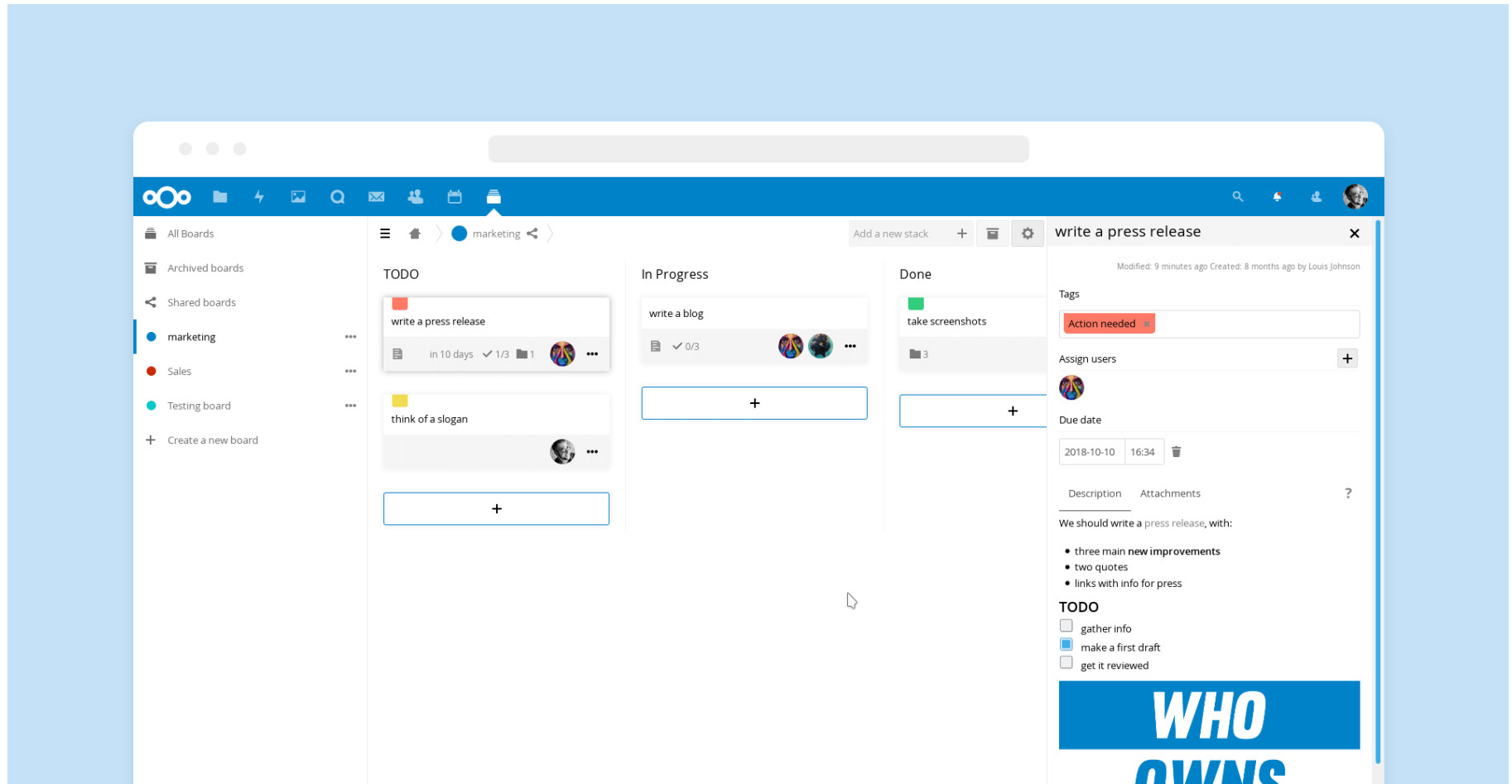
Apps – Collaboration - Calendar

The screenshot displays the Nextcloud Calendar application interface. The main view is a weekly calendar for Week 38 of 2016, spanning from Sunday, September 11th to Saturday, September 17th. The calendar shows various events from different sources, including 'Nextcloud conf', 'Dentist', 'Lecture: high-performance Computing', 'Seminar: Web Dev', 'Lecture: Statistics', 'rehearsal', 'Gig at local Biergarten', 'Dinner with Jane', and 'Cinema: Suicide Squad'. A sidebar on the left lists calendar subscriptions: Nextcloud, Doctors, Private, University, Band, Facebook, Berliner Philharmoniker, and Jewish holidays. On the right, the 'Dentist' event details are shown, including the title, location (Doctors), start and end times (09/12/2016, 08:00 AM to 09:00 AM), and options for 'All day Event', 'Details', 'Attendees', 'Reminders', and 'Repeating'. The event is currently in a 'Confirmed' state. At the bottom of the details panel, there are buttons for 'Delete', 'Cancel', 'Export', and 'Update'.

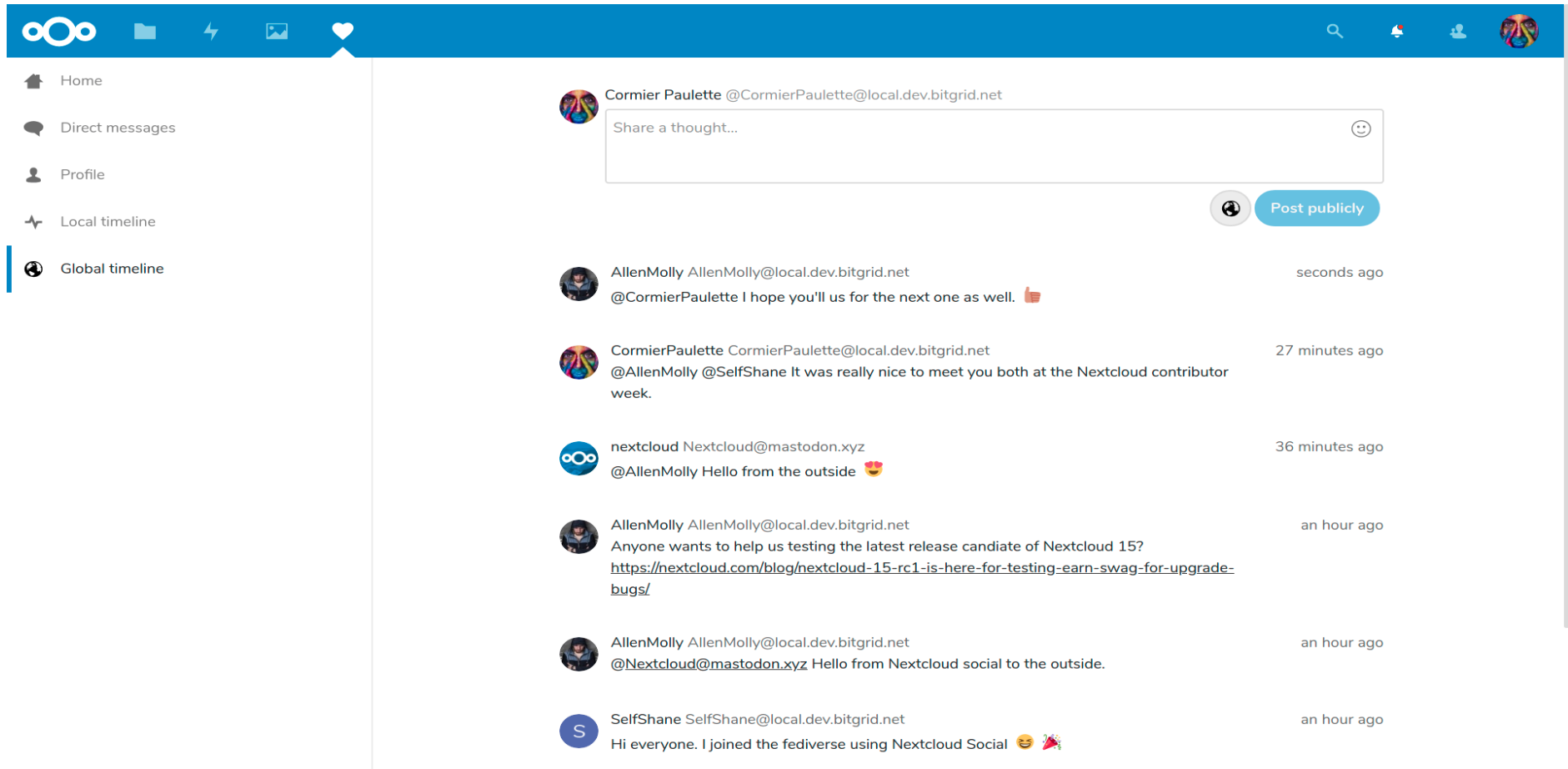
Apps – Collaboration - Talk



Apps – Collaboration - Deck





Apps – Collaboration - Social






The screenshot displays the Nextcloud Social interface. On the left is a navigation sidebar with icons for Home, Direct messages, Profile, Local timeline, and Global timeline. The main area shows a global timeline of posts. At the top, there is a blue header bar with the Nextcloud logo and various utility icons. Below the header, a post creation box is visible, followed by a 'Post publicly' button. The timeline contains several posts from users like Cormier Paulette, AllenMolly, nextcloud, and SelfShane, with timestamps ranging from 'seconds ago' to 'an hour ago'. Each post includes a profile picture, name, and handle.


Home
Direct messages
Profile
Local timeline
Global timeline



Share a thought... 


 Post publicly


 Cormier Paulette @CormierPaulette@local.dev.bitgrid.net seconds ago




 AllenMolly AllenMolly@local.dev.bitgrid.net @CormierPaulette I hope you'll us for the next one as well. 

 CormierPaulette CormierPaulette@local.dev.bitgrid.net 27 minutes ago
@AllenMolly @SelfShane It was really nice to meet you both at the Nextcloud contributor week.

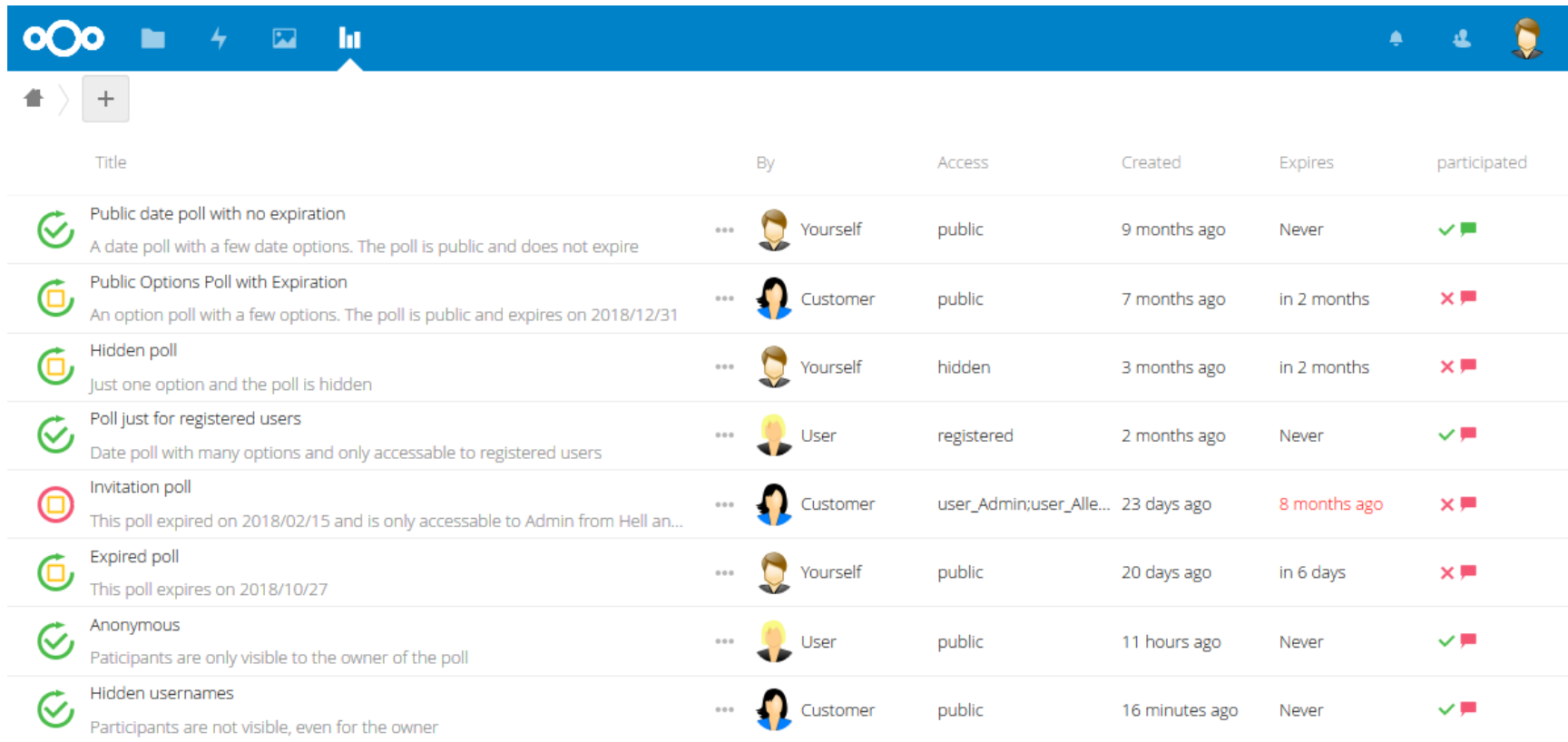
 nextcloud Nextcloud@mastodon.xyz 36 minutes ago
@AllenMolly Hello from the outside 

































 AllenMolly AllenMolly@local.dev.bitgrid.net an hour ago
Anyone wants to help us testing the latest release candiate of Nextcloud 15?
<https://nextcloud.com/blog/nextcloud-15-rc1-is-here-for-testing-earn-swag-for-upgrade-bugs/>

 AllenMolly AllenMolly@local.dev.bitgrid.net an hour ago
@Nextcloud@mastodon.xyz Hello from Nextcloud social to the outside.

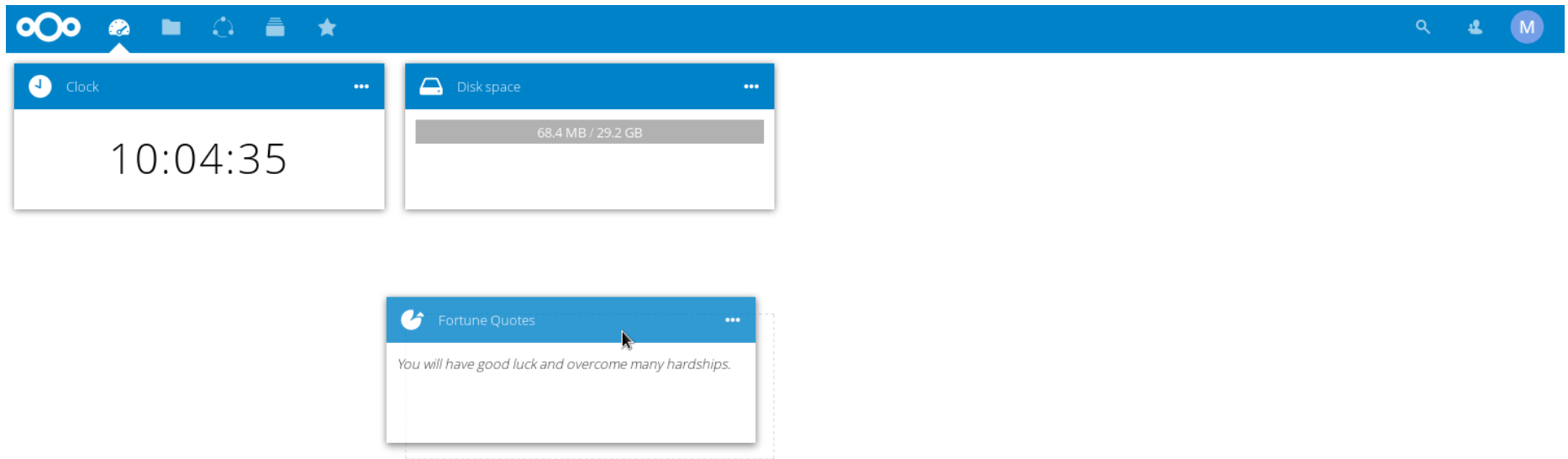
 SelfShane SelfShane@local.dev.bitgrid.net an hour ago
Hi everyone. I joined the fediverse using Nextcloud Social  

Apps – Collaboration - Polls



Title	By	Access	Created	Expires	participated
 Public date poll with no expiration A date poll with a few date options. The poll is public and does not expire	...  Yourself	public	9 months ago	Never	 
 Public Options Poll with Expiration An option poll with a few options. The poll is public and expires on 2018/12/31	...  Customer	public	7 months ago	in 2 months	 
 Hidden poll Just one option and the poll is hidden	...  Yourself	hidden	3 months ago	in 2 months	 
 Poll just for registered users Date poll with many options and only accessible to registered users	...  User	registered	2 months ago	Never	 
 Invitation poll This poll expired on 2018/02/15 and is only accessible to Admin from Hell an...	...  Customer	user_Admin;user_Alle...	23 days ago	8 months ago	 
 Expired poll This poll expires on 2018/10/27	...  Yourself	public	20 days ago	in 6 days	 
 Anonymous Participants are only visible to the owner of the poll	...  User	public	11 hours ago	Never	 
 Hidden usernames Participants are not visible, even for the owner	...  Customer	public	16 minutes ago	Never	 

Apps – Collaboration – Dashboard



Apps – Collaboration

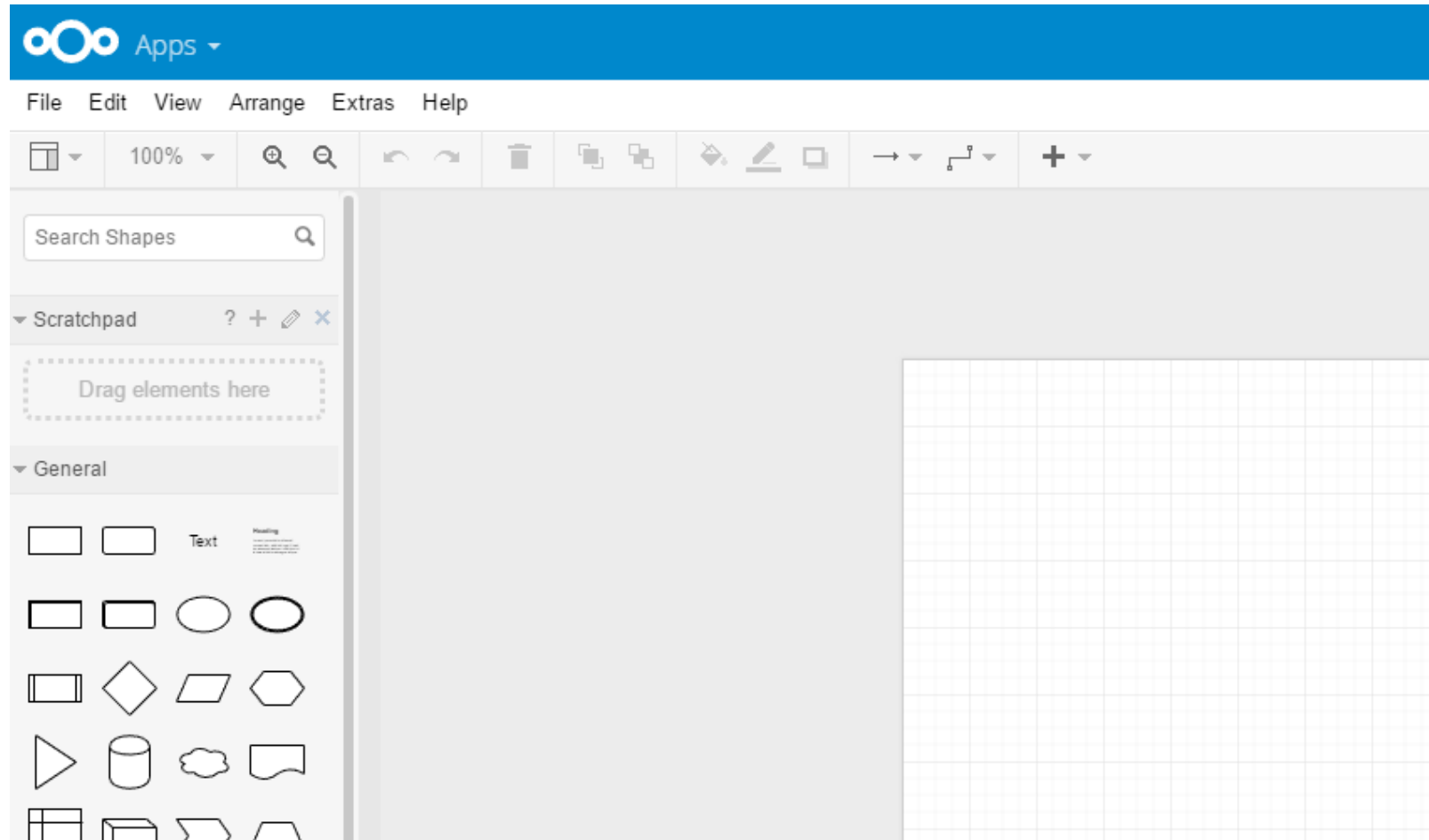
- Zimbra
- Mail
- Tasks
- Notes
- Circles



Apps – Education

- Moodle
- Zenodo
- OrcID
- picoCMS

Apps – Productivity – draw.io



Apps – Productivity – Mindmap

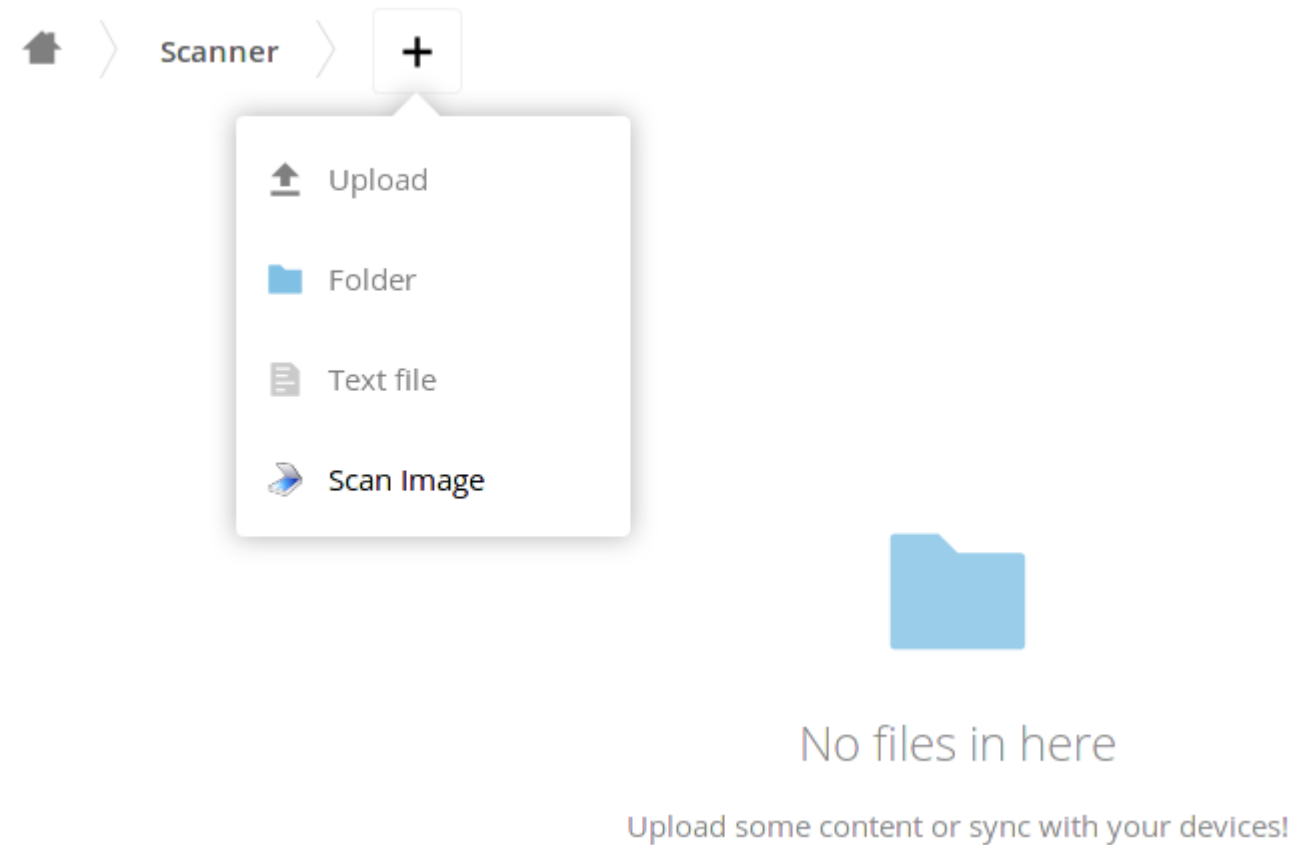
The image displays the Nextcloud Mindmap application interface. On the left, a mind map is centered on 'Favorite food' with branches for Beef, Pizza, Pasta, Bacon, and Hamburgers. A context menu is open over the 'Chicken' node, showing options like 'Chicken' and 'Delete'. On the right, a detailed view of the 'Favorite food' node is shown, including a 'Details' section with 'Sharing' and 'Help' options, and a 'Description' field containing placeholder text. Below this, a larger screenshot shows a more complex mind map with a central node '中心主题' (Center Topic) and four main branches: '分支1' (Branch 1), '分支2' (Branch 2), '分支3' (Branch 3), and '分支4' (Branch 4). Branch 1 has sub-nodes '1.1 标签1' and '1.2 标签1'. Branch 2 has sub-nodes '2.1' and '2.2', with '2.2' further branching into '2.2.1 标签2' and '2.2.2 标签1'. The interface includes a top navigation bar with '文件' (Files), '思路' (Thoughts), '外观' (Appearance), and '视图' (View) tabs, and a toolbar with various editing and navigation tools. A sidebar on the left contains a vertical toolbar with icons for zooming and other actions.

Apps – Productivity – PDF convert

The screenshot shows the 'PDF conversion' settings page in Nextcloud. The left sidebar contains the 'Administration' menu with options: Overview, Basic settings, Monitoring, Sharing, Security, LDAP / AD integration, Theming, Groupware, Activity, Workflow, Document to PDF converter (highlighted), File access control, and Usage survey. The main content area is titled 'PDF conversion' and includes a description: 'Convert documents into the PDF format on upload and write. Each rule group consists of one or more rules. A request matches a group if all rules evaluate to true. On creating or writing a file all defined groups are evaluated and when matching, a background job is set up to execute the conversion of the corresponding file.'

Below the description, there is a form to create a rule group. The first field is a text input containing 'Convert tagged documents'. Below it, there are three dropdown menus: 'File system tag' (empty), 'is tagged with' (empty), and 'PDF conversion'. An 'Add rule' button is positioned below these dropdowns. At the bottom of the form, there is an 'Add rule group' button. To the right of the form, a dropdown menu is open, showing a search bar and a list of options: 'Delete original, overwrite existing PDF', 'Keep original, preserve existing PDFs', 'Keep original, overwrite existing PDF', 'Delete original, preserve existing PDFs', and 'Delete original, overwrite existing PDF' (highlighted). A trash icon is visible in the top right corner of the dropdown menu.

Apps – Productivity – Scanner

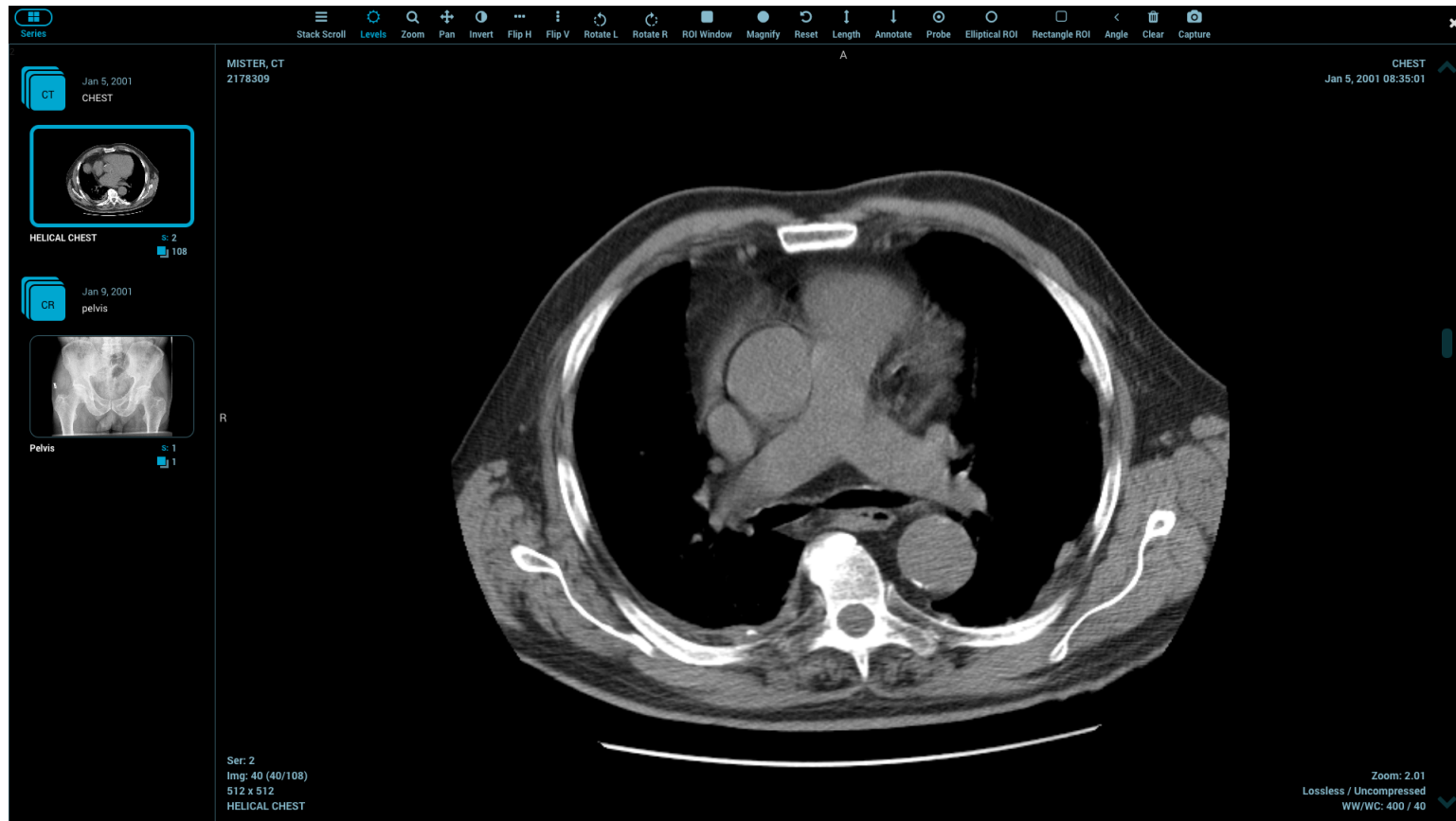


Apps – Productivity

- Markdown editor
- Workflow external scripts
- Files from Mail
- Passman / Passwords
- Bookmarks
- Phonesync



Apps – Medical – DICOM viewer



Apps – Authentication - 2FA

- 2FA TOTP
- 2FA OpenOTP
- 2FA U2F
- 2FA mobile devices
- 2FA Gateway (Telegram, etc.)



Apps – Reporting

- User usage report
- Issue template
- Download activities
- Share listing



Apps – Other

- Files 3D
- OCC Web
- Reader (ebook)
- Preview Generator
- Image Metadata
- Terms and conditions

Apps store

- <https://apps.nextcloud.com>
- About 200 applications
- Nextcloud first
- Can be supported via subscription



Your apps ?

- AppFramework
- Javascript components
- Sharing API
- Files API
- Calendar API
- ...and more!



Your apps ?

- Developer documentation
 - https://docs.nextcloud.com/server/stable/developer_manual/app/index.html
- Publishing on the app store
 - <https://nextcloudappstore.readthedocs.io/en/latest/developer.html>



Questions

- I welcome any question you may have
- Demonstration and in depth discussions at our booth





Keep your data secure and under
your control

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