

Friendica

Under the radar since 2010

1. February 2025 · FOSDEM, Brussels

Tobias Diekershoff & Michael Vogel · Friendica Project

about

@tobias@social.diekershoff.de



Friendica core developers

- Backend stuff
- Translations / Releases



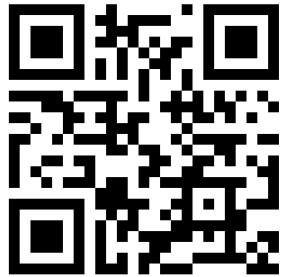
@heluecht@pirati.ca

What is Friendica

Friendica is a platform for decentralised social communication linking to other independent social and corporate services.

Friendica is part of the Fediverse and the Federation. Est. 2010

- Homepage: friendi.ca
- Core repository: github.com/friendica
- Addons: git.friendi.ca/friendica
- Software Stack: PHP, MariaDB

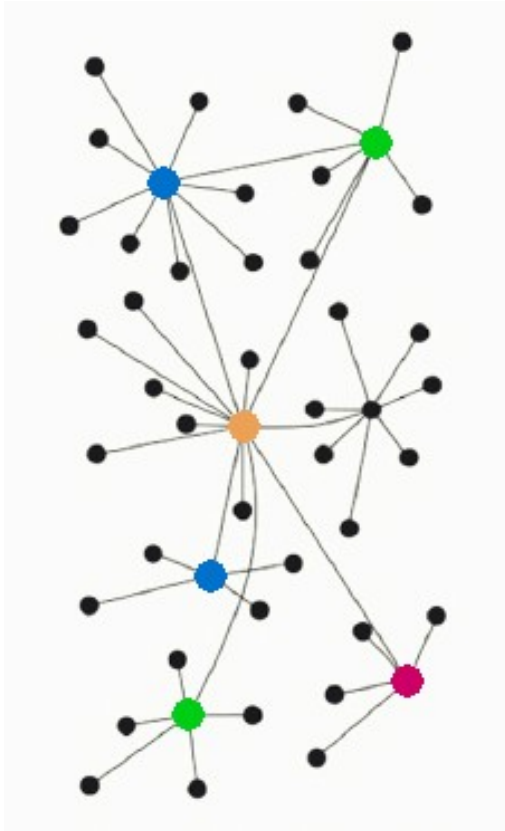


friendi.ca



Flaxy O'Hare
by @lostinlight

Fedi... what?



„The **fediverse** is a collection of social networking services that can communicate with each other using a common protocol. Users of different websites can send and receive status updates, multimedia files and other data across the network. The term fediverse is a portmanteau of "**federation**" and "**universe**"

-- Wikipedia

- **Communities** operate independent Social Media platforms for themselves
- Moderation following local rules and the communities needs
- Users can interact regardless of the Social Media service they use

Who is Friendica

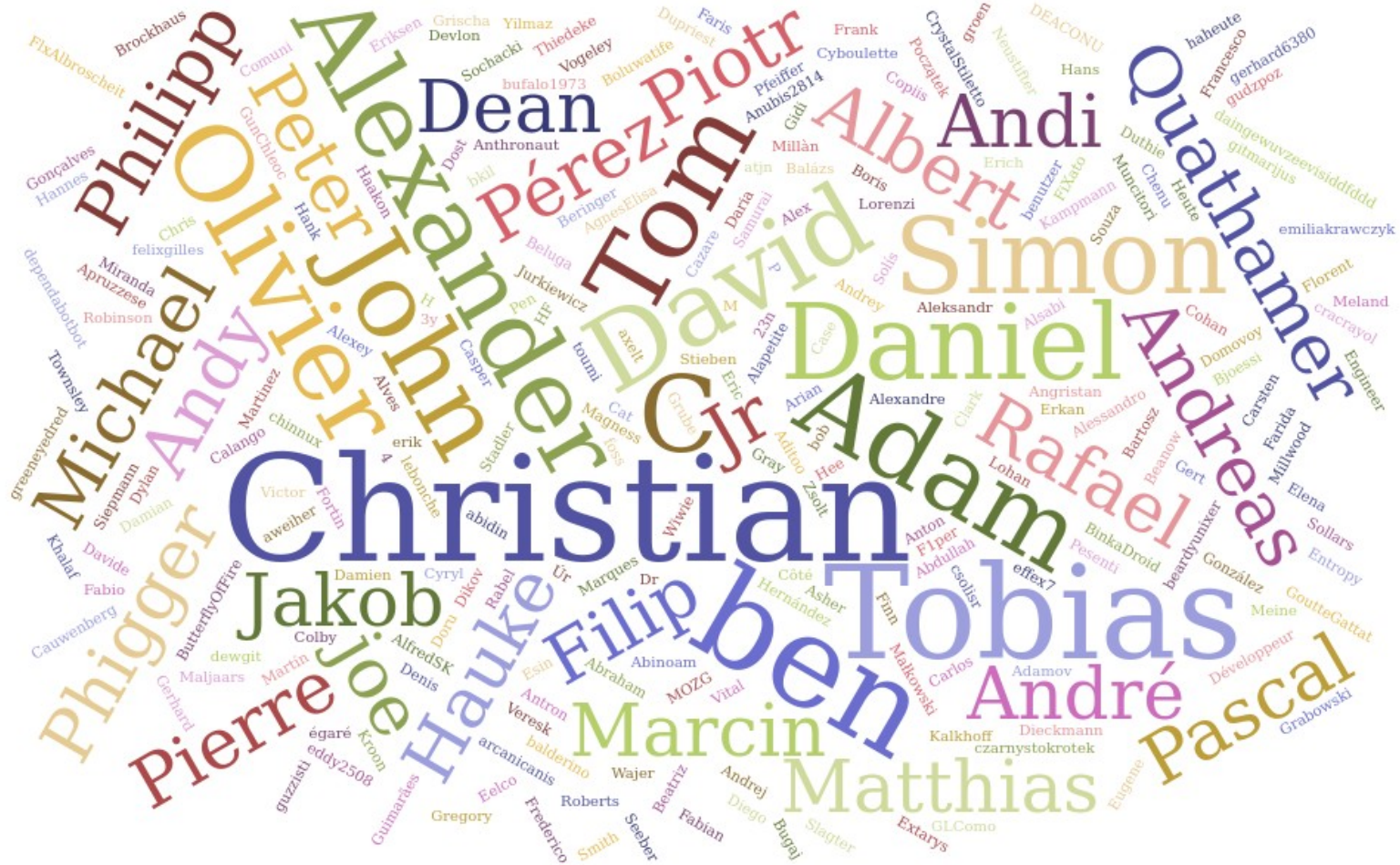
- Founded by Mike Macgirvin 2010
- Small core team developing Friendica



Friendica Development Group (Forum)

Discussions about the development of Friendica
<https://forum.friendi.ca/~developers>

Who is Friendica



The History of Friendica



2010 – Initial commit by Mike Macgirvin

2011 – Federation with StatusNet and Diaspora*
Facebook, IMAP, tumblr & Twitter connector

2012 – Red Matrix / Hubzilla was forked off
Google+ connector

(2017 – Facebook, google+ connector removed)

2019 – Federation via ActivityPub, Discourse connector

2023 – Bluesky connector

(2024 – Ostatus support removed)

Polyglot Friendica

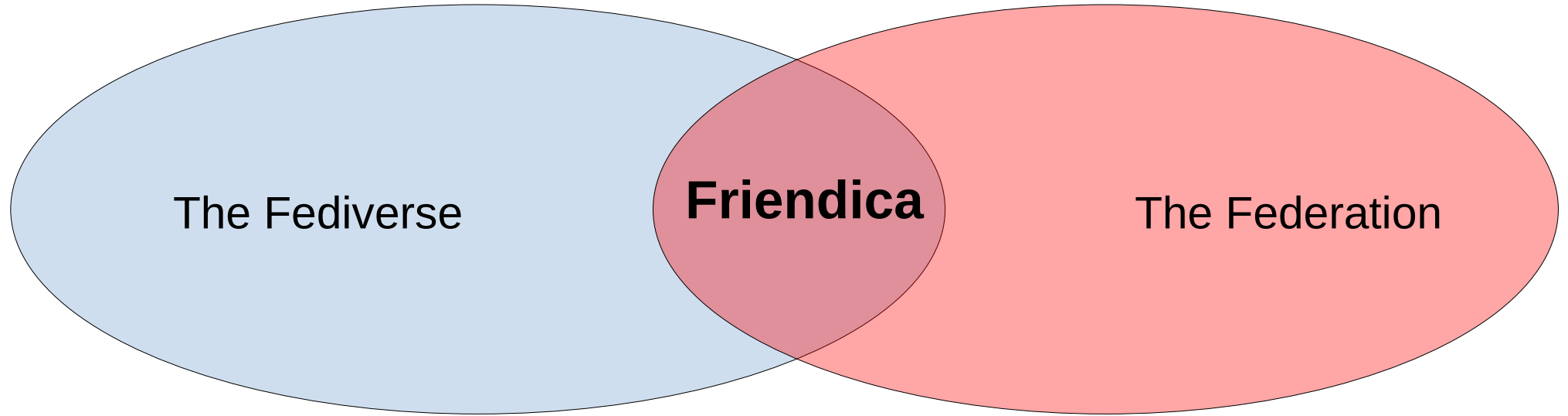
Friendica

Polyglot Friendica

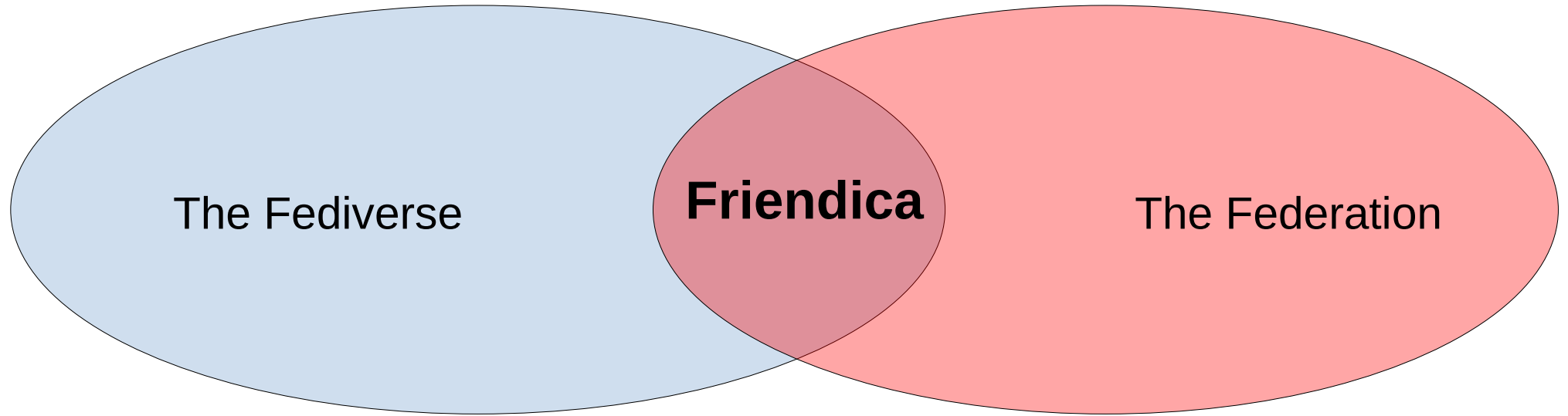
The Fediverse

Friendica

Polyglot Friendica



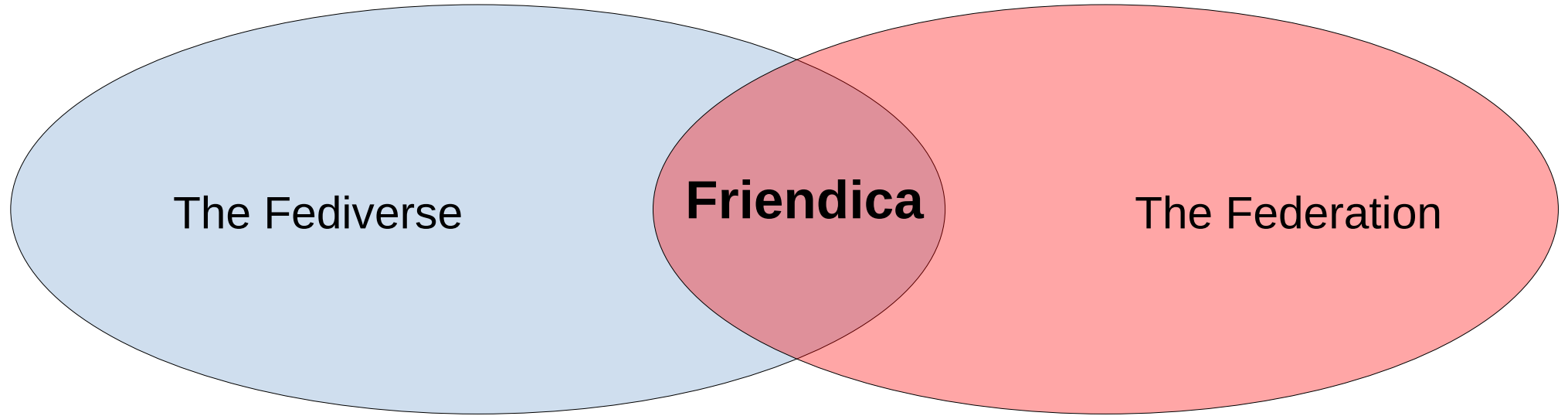
Polyglot Friendica



Bidirectional Connectors to

- Bluesky
- Tumblr
- IMAP / Discourse

Polyglot Friendica



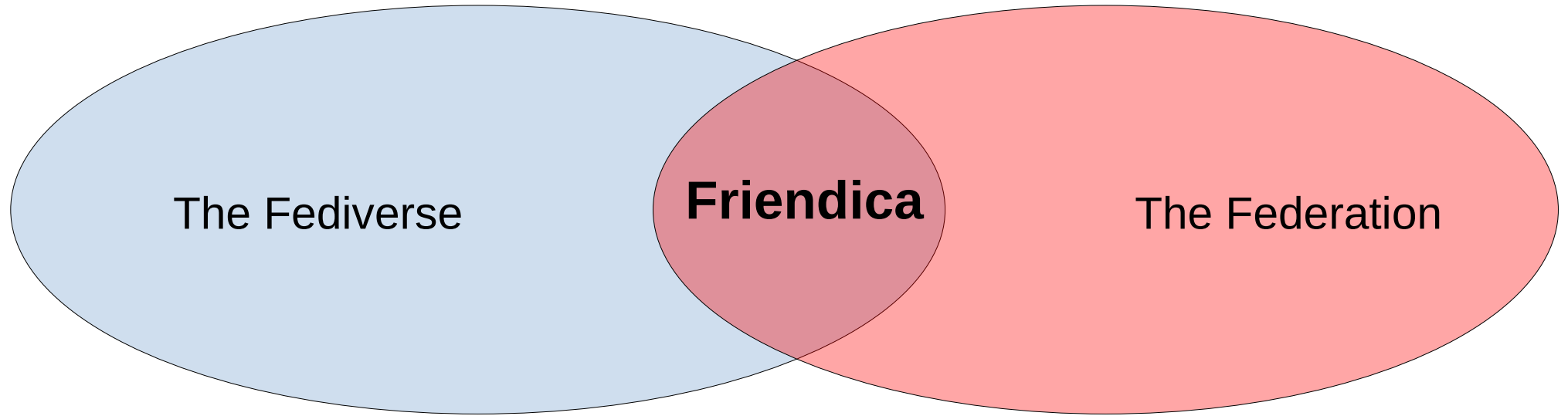
Bidirectional Connectors to

- Bluesky
- Tumblr
- IMAP / Discourse

Post at

- X
- Libertree
- pnut
- Blogs (Wordpress, Dreamwidth, Insanity Journal, LiveJournal)

Polyglot Friendica



Bidirectional Connectors to

- Bluesky
- Tumblr
- IMAP / Discourse

Post at

- X
- Libertree
- pnut
- Blogs (Wordpress, Dreamwidth, Insanity Journal, LiveJournal)

Fetch

- RSS Feeds

Polyglot Friendica

On Bluesky

 **Michael**
@heluecht.pirati.ca

Ich appelliere mal kurz an eine Mustererkennung. Könnt ihr entdecken, worin sich das Austauschblatt des Stimmzettels vom ursprünglichen Zettel unterscheidet? Ich finde es einfach nicht.





27. Januar 2025 um 20:17  Alle können antworten 

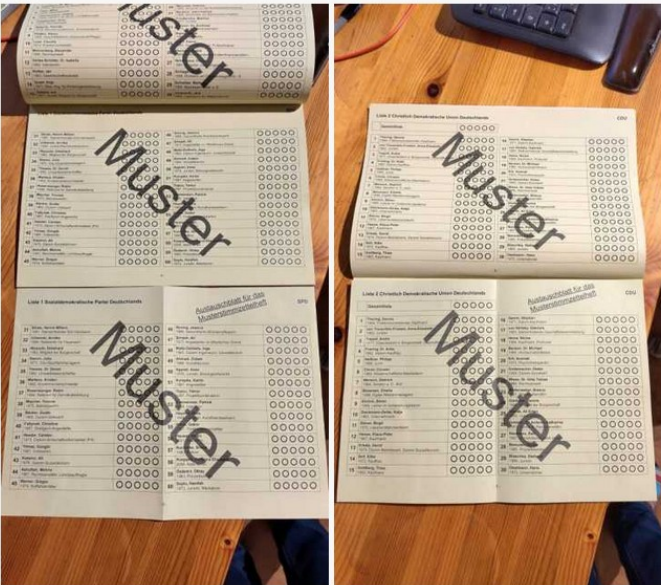
 1    







 **otzenpunk** @otzenpunk.bsky.social · 12m
Berufsbezeichnung von Nr. 32.
 1   1 











 **Michael** @heluecht.pirati.ca · 9m
Danke! Hast Du das so schnell gefunden oder hast Du selber auf Deinem Zettel schon gesucht gehabt?





 **Michael**
16 Minuten her · 

Ich appelliere mal kurz an eine Mustererkennung. Könnt ihr entdecken, worin sich das Austauschblatt des Stimmzettels vom ursprünglichen Zettel unterscheidet? Ich finde es einfach nicht.



 1     

 **otzenpunk**
Als Antwort auf Michael · 13 Minuten her ·   
Berufsbezeichnung von Nr. 32.
 1    1  

 **Michael Vogel**
Als Antwort auf otzenpunk · 10 Minuten her ·   
Danke! Hast Du das so schnell gefunden oder hast Du selber auf Deinem Zettel schon

On Friendica via Bluesky connector

Friendica on the Desktop

The screenshot displays the Friendica desktop interface. At the top is a dark red navigation bar with icons for home, messages, calendar, contacts, and notifications (with a red '1' badge). A search bar and the user's name 'Tobias' are also present. Below the navigation bar is a horizontal menu with tabs for 'Latest posts', 'Personal', 'Starred', 'Einhörnchen', 'About the Fediverse', and 'FOSDEM' (which is currently selected). The main content area is divided into a left sidebar and a central feed. The sidebar contains sections for 'Circles', 'Groups' (listing various communities like Fediverse, Friendica Support, Star Trek, etc.), 'Protocols', 'Saved searches', and 'Saved Folders'. The central feed shows a post from the 'FreeBSD Foundation' titled 'Heading to #Fosdem'25?'. The post text invites users to join talks in the BSD Dev Room on Feb 1st and provides a link to the event's blog. Below the text is a large graphic featuring a purple gear with a white skull-like face inside, and the word 'FOSDEM' in large, bold, black letters.

Latest posts Personal Starred Einhörnchen About the Fediverse **FOSDEM**

► Circles

▼ Groups +

- Fediverse
- Friendica Support
- Star Trek
- Star Trek Social Club
- Fully Automated RPG
- Friendica Developers
- FOSS - Freie Software
- Friendica Admins
- Loading Artist comics
- Star Trek 🍷 | Gruppe


Show more...

► Protocols

► Saved searches

► Saved Folders

Birthday reminders (1)


 **FreeBSD Foundation**
1 hour ago (Received 52 minutes ago) • 📎 • 🌐

Heading to #Fosdem'25?

Join us in the BSD Dev Room on Feb 1st for some exciting #FreeBSD-focused talks. Deepen your FreeBSD knowledge, meet enthusiasts, and gain insights from experts. Don't miss it!

freebsdfoundation.org/blog/freebsd-at-fosdem-2025/

Stop by FreeBSD Stand in Building K to connect with contributors, learn about the latest updates, and grab some cool swag!



FOSDEM

Friendica on the Desktop

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Friendica on the Desktop

The screenshot displays the Friendica desktop interface. At the top, there is a navigation bar with icons for a grid, home, mail, calendar, and a group of people, along with a notification bell showing '1'. The user's name 'Tobias' and a profile picture are visible in the top right corner. Below the navigation bar, there are tabs for 'Latest posts', 'Personal', 'Starred', 'Einhörnchen', 'About the Fediverse', and 'FOSDEM', with 'FOSDEM' being the active tab. A red 'New Post' button is located in the top right corner.

On the left side, there is a sidebar with sections for 'Circles', 'Groups', and 'Protocols'. The 'Groups' section is expanded, showing a list of groups including 'Fediverse', 'Friendica Support', 'Star Trek', 'Star Trek Social Club', 'Fully Automated RPG', 'Friendica Developers', 'FOSS - Freie Software', 'Friendica Admins', 'Loading Artist comics', and 'Star Trek 🍷|Gruppe'. A 'Show more...' link is present below the list.

The main content area shows a post from the 'FreeBSD Foundation' posted '1 hour ago (Received 54 minutes ago)'. The post text reads: 'Heading to #Fosdem'25? Join us in the BSD Dev Room on Feb 1st for some exciting #FreeBSD-focused talks. Deepen your FreeBSD knowledge, meet enthusiasts, and gain insights from experts. Don't miss it! freebsdfoundation.org/blog/freebsd-at-fosdem-2025/ Stop by FreeBSD Stand in Building K to connect with contributors, learn about the latest updates, and grab some cool swag!'. Below the text is a purple gear icon with a white skull-like face inside. At the bottom of the post, the word 'FOSDEM' is written in large, bold, black letters.

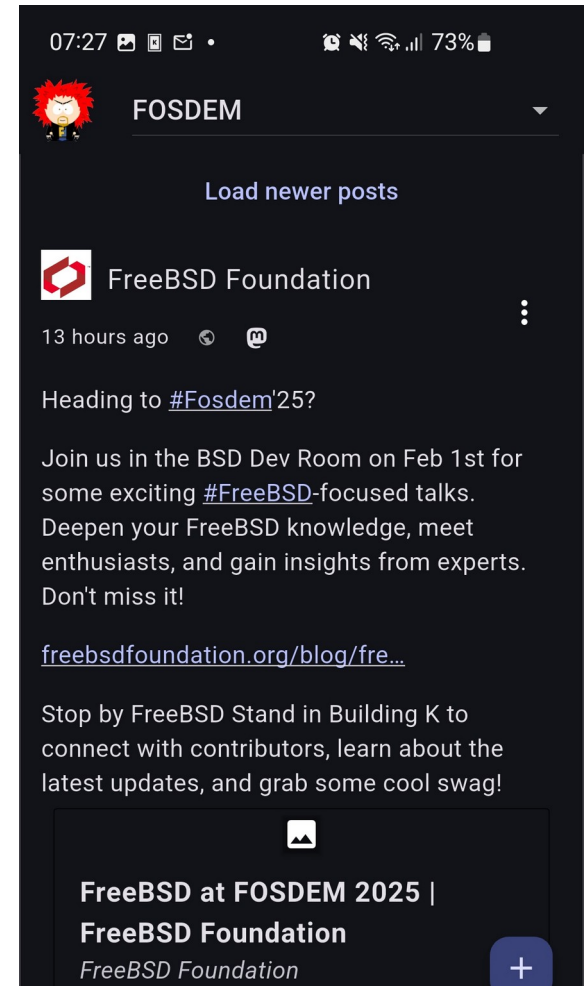
Friendica on the Mobile

- WebApps with mobile ready Friendica themes
- Few dedicated Friendica apps
Android: Racoon for Friendica, Relatica
iOS: Relatica
- API is Mastodon compatible → Mastodon apps can be used with Friendica

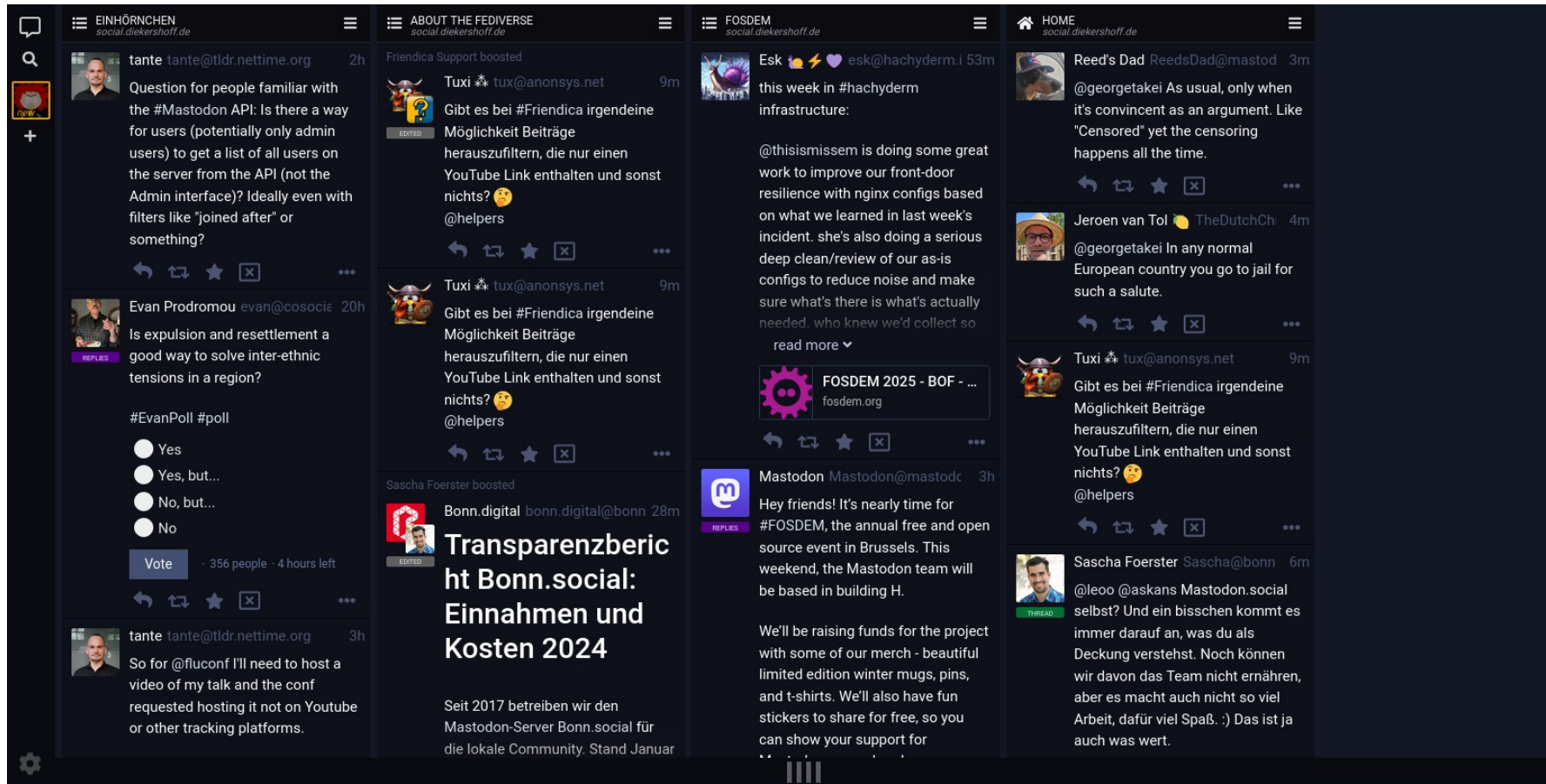


Up to date collection of apps for different mobile OS

<https://promo.loma.ml/app.html>



Clients for Friendica / API



2 APIs: StatusNet and Mastodon compatible (almost)

Screenshot: Sengi

Friendica Features

Longform blogging with rich text (BBCode, Markdown), embedded media and links.

Photo galleries to collect your images – and at the end of a posting.

Event organization and birthday calendar

Extensible through addons

Access Control

Schedule Postings

Direct Messages

Moderation

This is a rather long text formatted using [url=https://en.wikipedia.org/wiki/BBCode]BBCode[/url] just for fun. There is [b]bold[/b] and [i>italic[/i] text, that can be [style=color:#f00]styled[/style]. Obviously you can also use

[ul]

[li] lists

[/ul]

and embed images 😊

[center][url=https://social.diekershoff.de/photos/tobias/

image/121052151763eb2e61aee83063593749][img=https://social.diekershoff.de/

photo/121052151763eb2e61aee83063593749-0.png]! Love Free Software day is right around

the corner - Don't forget to say thank you! 2025-02-14[/img][/url][center]

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`[ul]`

`[li] lists`

`[/ul]`

and embed images 😊



Tobias

less than a second ago
(Berlin)



This is a rather long text formatted using BBCode just for fun. There is **bold** and *italic* text, that can be **styled**. Obviously you can also use

- lists

and embed images 😊



ilovefs.org



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2024

Goldener Herbst im Berliner Tiergarten - Laubbäume deren Blätter in unterschiedlichen grün, gelb, rot und braun Tönen im Sonnenlicht erstrahlen.

enter:Fediverse

- Find a nice community (local or topic)
- Take some friends with you!
- Post an introduction about yourself, tag it with #NewHere and #introductions and pin it.
- #FediMeetup fun offline meetings

```
1 reuse list
2
3 # summary
4
5 * Bad licenses: 0
6 * Deprecated licenses: 0
7 * Licenses without file extension: 0
8 * Missing licenses: 0
9 * Unused licenses: 0
10 * Used licenses: GPL-1.1, GPL-2.0-only, CC-BY-3.0, AGPL-3.0-or-later, CC-BY-SA-4.0, Apache-2.0, MIT, CC-0-1.0, BSD-3-Clause, CC-BY-SA-3.0, GPL-2.0-or-later, WTFPL, GPL-3.0-only, CC-BY-4.0
11 * Read errors: 0
12 * Files with copyright information: 2003 / 2003
13 * Files with license information: 2003 / 2003
14
15 Congratulations! Your project is compliant with version 3.2 of the REUSE Specification (-)
```

the fediverse is name like the internet is a name

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Goldener Herbst im Berliner Tiergarten - Laubbäume deren Blätter in unterschiedlichen grün, gelb, rot und braun Tönen im Sonnenlicht erstrahlen.

Tags:

[\[Select tags to remove\]](#)

New album name

2024

Caption

Goldener Herbst im Berliner Tiergarten - Laubbäume deren Blätter in unterschiedlichen grün, gel

Add Tag

Example: @bob, @jojo@example.com, #California, #camping

- Do not rotate
- Rotate right (CW)
- Rotate left (CCW)

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Event details ×

Basic

Advanced

Permissions

Preview

Title (BBCode not allowed) *

Fediverse Stammtisch Berlin

Event starts: *

2025-02-03 19:00

Time zone: **Europe/Berlin (GMT +01:00)** [Change in Settings](#)

Event finishes:

2025-02-03 21:00

Time zone: **Europe/Berlin (GMT +01:00)** [Change in Settings](#)

Finish date/time is not known or not relevant

Share this event

Submit

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Moderation

Event details ×



Basic **Advanced** Permissions Preview

Description (BBCode allowed)

Am 3. Februar ist wieder Zeit für den Fediverse Stammtisch auf der Berliner c-base. Perfekt um mit Menschen hinter den Profilbildern über das Fediverse zu palavern.

  U *I* **B** “

Location (BBCode not allowed)

  U *I* **B** “

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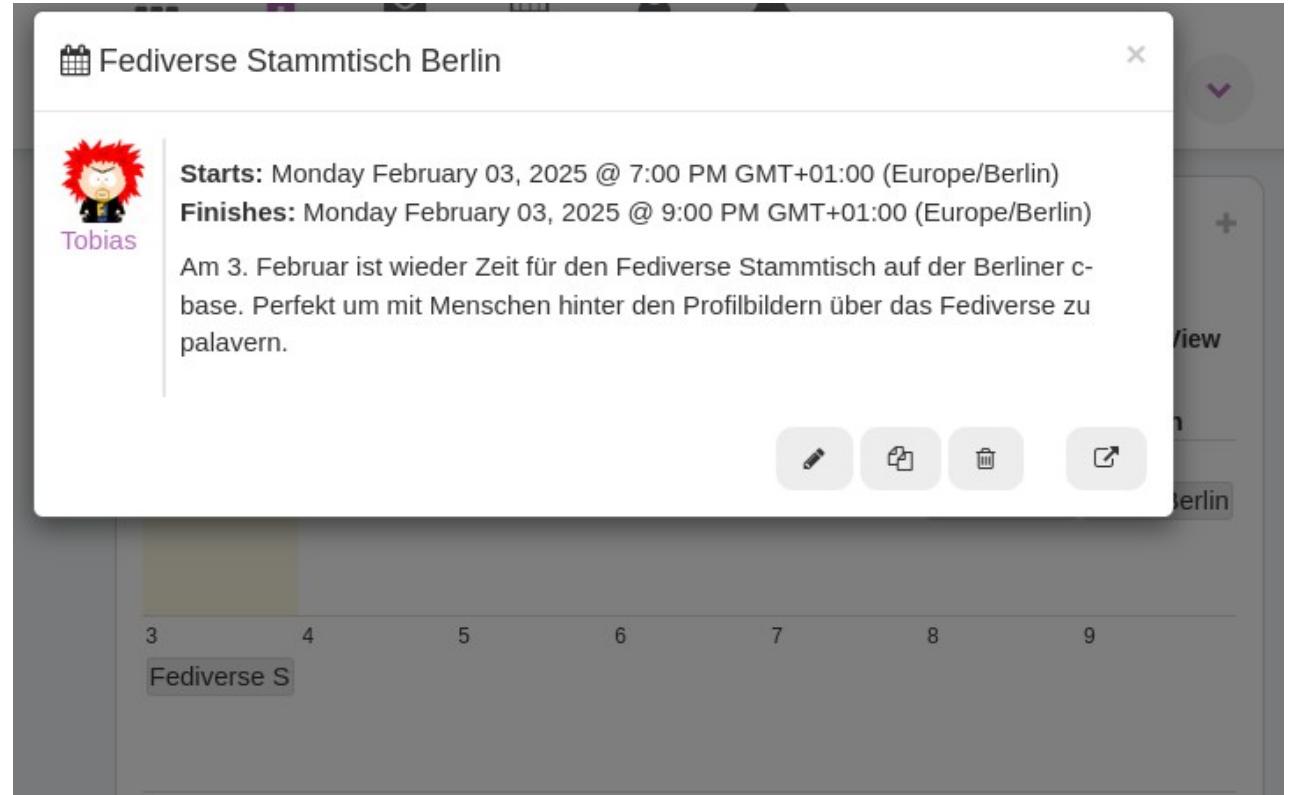
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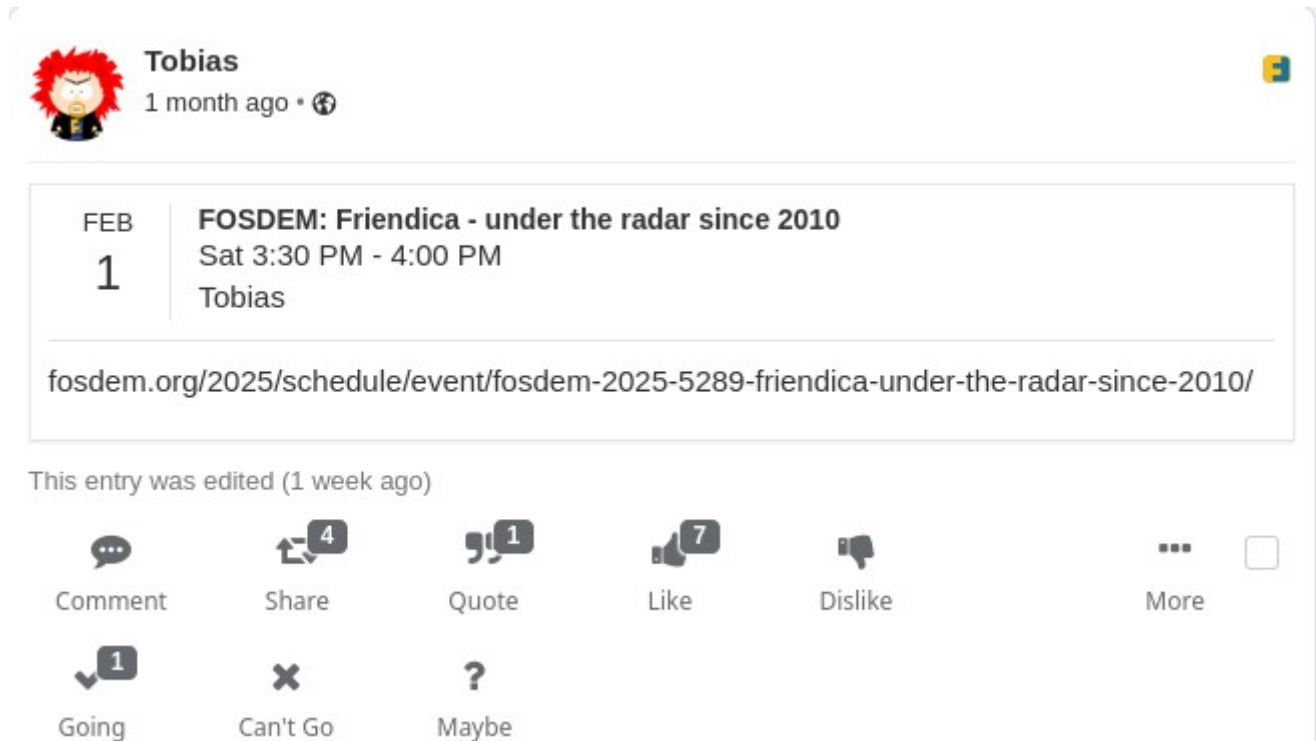
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The screenshot shows a post by a user named Tobias, who has a red spiky-haired avatar. The post is dated "1 month ago" and features a calendar widget for February 1st. The event listed is "FOSDEM: Friendica - under the radar since 2010" on Saturday from 3:30 PM to 4:00 PM. Below the event details is a link to the event page on fosdem.org. The post has several interaction options: Comment, Share (4), Quote (1), Like (7), Dislike, Going (1), Can't Go, and Maybe. There is also a "More" option with a dropdown arrow.




Tobias
1 month ago • 

FEB 1 | **FOSDEM: Friendica - under the radar since 2010**
Sat 3:30 PM - 4:00 PM
Tobias

fosdem.org/2025/schedule/event/fosdem-2025-5289-friendica-under-the-radar-since-2010/

This entry was edited (1 week ago)

 Comment
 Share 4
 Quote 1
 Like 7
 Dislike
 More

 Going 1
 Can't Go
 Maybe

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```
advancedcontentfilter  groupdirectory          morechoice
audon                   group_text              morepokes
birdavatar              highlightjs             newmemberwidget
blackout                ifttt                   nitter
blockbot                ijpost                  nominatim
bluesky                 impressum               notifyall
buglink                 infiniteprobabilitydrive notimeline
calc                    INSTALL.txt             nsfw
catavatar               invidious               numfriends
circle_text             irc                      openstreetmap
cld                     js_upload               opllexport
convert                 keycloakpassword       pageheader
cookienotice            krynn                   phpmailer
curweather              langfilter              piwik
diaspora                ldapauth                planets
discourse               leistungsschutzrecht   pnut
dwpost                 libertree                public_server
fancybox                libravatar              pumpio
forumdirectory          ljpost                  qcomment
fromapp                 mailstream              randplace
geocoordinates          markdown                ratioed
geonames                mastodoncustomemojis   README.md
```

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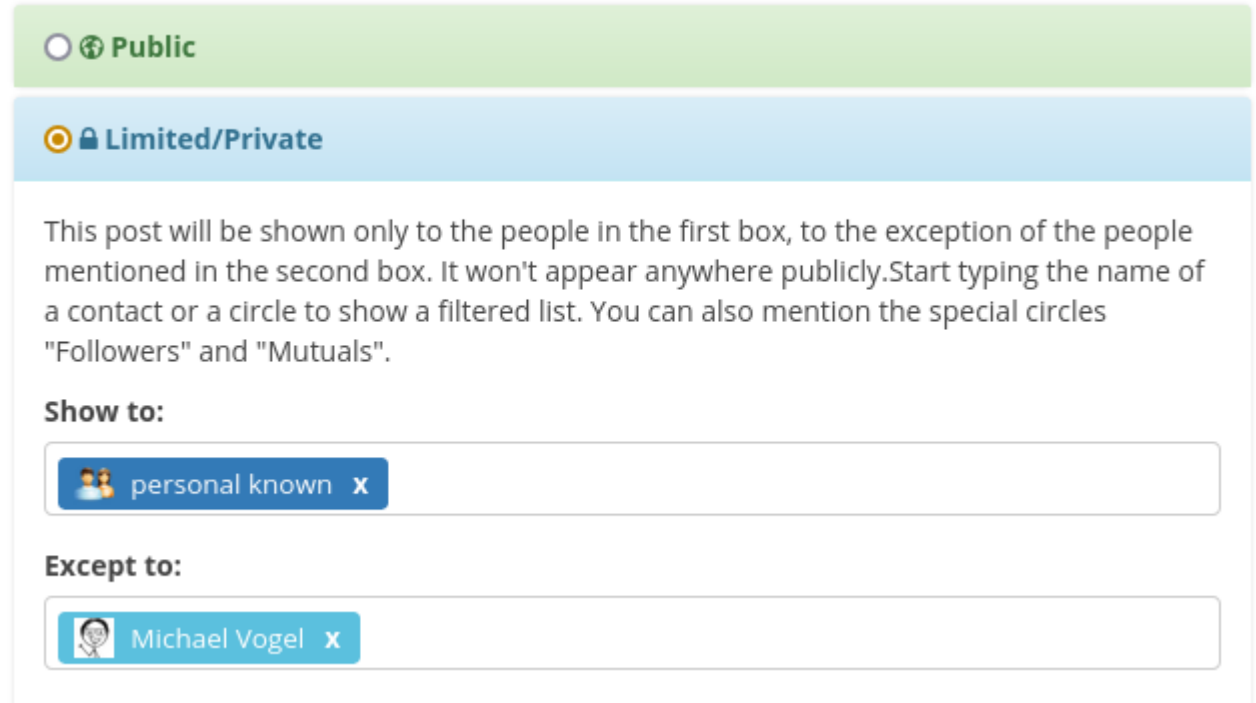
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The screenshot shows the 'Limited/Private' access control settings in Friendica. At the top, there are two radio buttons: 'Public' (unselected) and 'Limited/Private' (selected). Below this, a text box explains that the post will be shown only to people in the first box, except for those mentioned in the second box. It also mentions special circles like 'Followers' and 'Mutuals'. There are two input fields: 'Show to:' with a dropdown menu currently set to 'personal known' and an 'x' to clear it; and 'Except to:' with a dropdown menu currently set to 'Michael Vogel' and an 'x' to clear it.

User defined access control for new postings, calendar entries, photos

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Schedule Postings

Direct Messages

Moderation

Scheduled at

yyyy-mm-dd HH:MM

Time zone: **Europe/Berlin (GMT +01:00)** [Change in Settings](#)

- Schedule postings when writing them
- Can be used for planned future events
- Or to import old postings

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Schedule Postings

Direct Messages

Moderation

Messages

To:

helu

S Michael Vogel
heluecht@pirati.ca

Your message:

Hallo Michael,
hier mal die Folien vom [FOSDEM](#) Vortrag damit du da mal drüber schauen kannst.
share.fsfe.org/s/iZ4Tcy3gazZnKKg

Submit

- 1:1 threads with mutual contacts
- Detects Mastodon style DMs

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Tools

Contact block-list

Server block-list

Delete item

 Remove locally

 Block Evan Prodromou

 Ignore Evan Prodromou

 Collapse Evan Prodromou

 Ignore cosocial.ca server

 Report post

Server wide

- Blocklist or allow list for servers
- Silence or block single accounts
- Limited Communication

User specific

- Block account
- Ignore account / server
- Collapse postings from accounts

Timelines

Local community Global community

▼ Account types

All

Persons

Organisations

News

Groups

Relays

▼ Own Contacts

Include

Hide

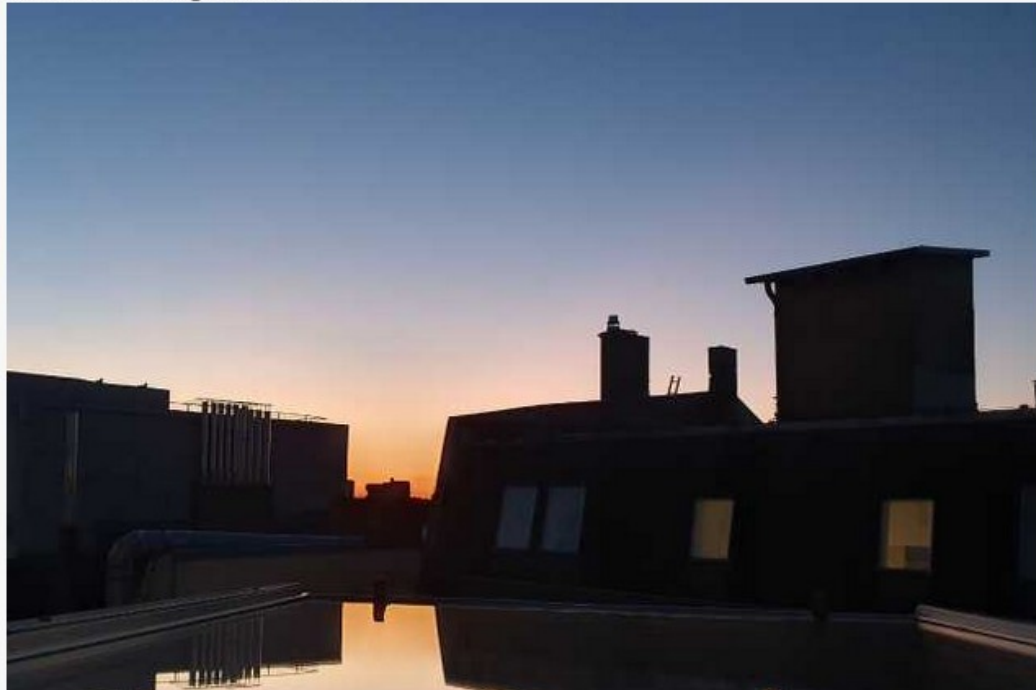


Tobias

3 weeks ago from Unimatrix Zero :: Primary Cluster :: Node One •



Berlin im Winter, grau und nass...



Timelines

Local community Global community

▼ Account types

- All
- Persons
- Organisations
- News
- Groups
- Relays

▼ Own Contacts

- Include
- Hide



Genista

15 minutes ago (Received 1 minute ago) • 📎 • 🌐



Wenn @diechefin zu mir sagt :

Pass auf das Loch auf sonst läuft's hinten wieder raus



Wie soll man denn da noch Vernünftig einen Berliner essen 🤔🤔🤔



FediFollows

51 minutes ago (Received 2 minutes ago) • 📎 • 🌐



Today 80 years ago, the Nazi death camp at Auschwitz was liberated. You can follow the official account of the memorial and museum there at:

[➡ @auschwitzmuseum](#)

The account shares the stories of the people (including children) who were murdered by Hitler's Nazis on an industrial scale. Over one million people were slaughtered in Auschwitz alone.

Timelines











Latest posts Personal Starred Einhörnchen About the Fediverse FOSDEM



▶ Circles

▼ Groups



-  Fediverse
-  Friendica Support
-  Star Trek
-  Star Trek Social Club
-  Fully Automated RPG
-  Friendica Developers
-  FOSS - Freie Software
-  Friendica Admins
-  Loading Artist comics
-  Star Trek | Gruppe

Show more...

Birthday reminders (1)



bitPickup



1 week ago (Received 6 seconds ago) · # · @

1/x

(editing along the installation process)

@howto install the @freeopensource platform #castopod (1.13.3) on a shared hosting.

@Castopod is a #fediVerse podcast hosting software with #activityPub and #RSS.

As of now, no requirement problems with the #sharedHosting:

docs.castopod.org/main/en/getting-started/install/

Provider had to change root folder to /public.

There were problems uploading the folder structure and files with fileZilla. Uploading the entire ZIP file, unzipping it on the shared hosting worked.



How to install Castopod?

Check out the Castopod documentation! Install your own free & open-source podcast host, help make it better by contributing, or simply learn

User Circles

The screenshot displays a social media interface with a sidebar on the left and a main content area on the right. The sidebar, titled 'Circles', shows a list of groups: 'Everybody' and 'Berlin (94)'. The main content area is titled 'Berlin' and features a search bar, a 'Filter' button, and a list of 12 user profiles. Each profile includes a profile picture, a name, an email address, and a red 'x' icon for removal. The profiles are arranged in two columns.

Name	Email	Remove
acid	acid@weirder.earth	✗
Adrian Heine	adrianheine@mastodon.social	✗
alip	alip@mastodon.online	✗
anaghz	anaghz@social.tchncs.de	✗
bAvatar	bavatar@nerdculture.de	✗
Berliner Fediverse Tag	berlinfediday@berlin.social	✗
Adrian	adrian@queer.party	✗
Alexey Mints	minzastro@astrodon.social	✗
An Antidote (n.p.)	annantidote@chitter.xyz	✗
BAE	ABA_eV@mastodon.social	✗
Becca Reese	firefly@ifwo.eu	✗
Berliner Stadtreinigung	BSR@berlin.social	✗

User defined groups for their contacts used for filtering the network stream, base of Channels and access control.

User Channels

User defined algorithms to define displayed content.

- Based on global / local streams or the content of a contact circle
- Filtered by language, tags, full text of the postings.

Example:

- Base: global community
- Tags: activitypub, feditreff, fediverse, friendica
- Language: DE, EN

The screenshot shows a user channel interface with navigation tabs: Latest posts, Personal, Starred, Einhornchen, About the Fediverse (highlighted), and FOSDEM. The channel is titled "Birthday reminders (1)". The main post is from user "Tommi" (with a 🤪 emoji) posted 56 minutes ago. The text of the post is: "Filtered word: trump [Reveal/hide] The @EUCommission has summoned me to consult in an emergency nighttime meeting to devise an urgent plan to contrast the alarming escalation of foreign centralized social networks by fostering the development of the #Fediverse in the #EU. Going in now. More info soon. #EuropeanUnion #FediversEurope #FediversEU #EuropeanCommission #banX #Fedipact #banThreads #TikTok #Threads #Musk #Trump #X". Below the text are interaction icons: 1 comment, share, quote, like, and mute. A reply from user "Fritjof" is visible below, stating: "Brillant! This reminds me of the ending of #AdaAndZangemann by @kirschner ! @EUCommission".

Following ActivityPub Relays

- Friendica supports ActivityPub relays to distribute public posting
- Adding/removing of the relays is done with the CLI console tool of Friendica
- Configuration of the scope for receiving content in the admin panel

```
friendica@fangorn:/var/www/social.diekershoff.de $ bin/console relay
[Warning] too few arguments

console relay - Manage ActivityPub relay configuration
Synopsis
  bin/console relay list [-h|--help|-?] [-v]
  bin/console relay add <actor> [-h|--help|-?] [-v]
  bin/console relay remove <actor> [-f|--force] [-h|--help|-?] [-v]

Description
  bin/console relay list
    Lists all active relay servers

  bin/console relay add <actor>
    Add a relay actor in the format https://relayserver.tld/actor

  bin/console relay remove <actor>
    Remove a relay actor in the format https://relayserver.tld/actor

Options
  -f|--force  Change the relay status in the system even if the unsubscribe message failed
  -h|--help|-? Show help information
  -v          Show more debug information.
```

Following ActivityPub Relays

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Relay scope

tags

Can be "all" or "tags". "all" means that every public post should be received. "tags" means that only posts with selected tags should be received.

Server tags

berlin,debian,devuan,fedilz,fediverse,fosdem,freesoftware,freiesoftware,friendica,fsfe,kaos,l

Comma separated list of tags for the "tags" subscription.

Deny Server tags

catcontent,caturday,nsfw,porn,pron,putin,trump,ukrain,uspol

Comma separated list of tags that are rejected.

Maximum amount of tags

10

Maximum amount of tags in a post before it is rejected as spam. The post has to contain at least one link. Posts from subscribed accounts will not be rejected.

Allow user tags

If enabled, the tags from the saved searches will be used for the "tags" subscription in addition to the "relay_server_tags".

Group Accounts

- Friendica can be used to operate public and private discussion groups
- Posts to a group - reference them with !name@example.com
- E.g. Friendica support user group !helpers, support admin group and developers discussions.
- Compatible with threads in lemmy and kbin
- FEP-1b12



Fediverse

fediverse@lemmy.ml

(Group)

A community dedicated to fediverse news and discussion.

Fediverse is a portmanteau of "federation" and "universe".

Getting started on Fediverse;

What is the fediverse?

Short ver.

36 people like this

↳ Fediverse reshared this.



Sean Tilley via Fediverse

4 days ago • 🔄 • 🌐

Pixelfed Smashes Kickstarter Campaign Goal on Day One

Pixelfed has been making incredible strides over the past few years, and has begun developing a suite of different platforms and services for the Fediverse. After just one day on Kickstarter, they've already smashed their campaign goal.

But they still need your help!



Pixelfed Smashes Kickstarter Campaign Goal on Day One

Pixelfed, the beloved little Instagram alternative that could, recently launched a Kickstarter campaign. Setting a modest goal for CA\$50,000, the effort has already shot past CA\$63,000 on its first da

Sean Tilley (We Distribute)



Comment



Share



Quote



Like



Dislike



More

123 people like this

FEP supported by Friendica

- FEP-f1d5: NodeInfo in Fediverse Software
- FEP-1b12: Group federation - basics for federation with lemmy, kbin
- FEP-2677: Identifying the Application Actor
- FEP-e232: Object Links
- FEP-61cf: The OpenWebAuth Protocol - basics to log in to Hubzilla
- FEP-67ff: FEDERATION.md



Details in the FEDERATION.md file.

<https://git.friendi.ca/friendica/friendica/src/branch/develop/FEDERATION.md>

Contribute to Friendica

- Good beginner tasks
 - Junior Jobs tag for issues

Howto become a hero

- Frontend developers
 - UI / UX tags for issues
- Accessibility Experts
 - Tracker ticket: Improve accessibility #14731
- Improve moderation tools

- Translations
 - explore.transifex.com/Friendica/
- Support Group
 - forum.friendi.ca/~helpers
- Community Chat
 - Matrix: [#friendi.ca:matrix.org](https://matrix.to/#/friendi.ca:matrix.org)
 - XMPP: support@forum.friendi.ca
 - IRC: [#friendica @ libera.chat](https://libera.chat)



Friendica Development Group (Forum)

Discussions about the development of Friendica
<https://forum.friendi.ca/~developers>

about:Graphics

- *Decentral Networks* by Paul Baran et al. 1964
- Screenshots by the speakers

Slides available at <https://git.fsfe.org/tobiasd/talks>

License of the slides



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