Fediverse

> The Federation, or as often called the “Fediverse”, refers to a global social network composed of nodes that talk to each other. Each of them is an installation of software which supports one of the federated social web protocols. These social hubs create a decentralized and federated social network of millions of users all around the globe. This is how the internet was supposed to be.

Apps

App Instances	App Website	Source Code	Description
Aardwolf	https://aardwolf.social/	https://github.com/Aardwolf-Social/aardwolf	Building social communities with open software.
ActivityRelay / ActivityRelay #2	https://git.pleroma.social/pleroma/relay	https://git.pleroma.social/pleroma/relay#setup	Generic LitePub relay (works with all LitePub consumers and Mastodon)
ActorsCafé		https://github.com/Xeltica/actorscafe	Decentralized, lightweight, and good for single-user microblogging platform.
AndStatus			ActivityPub C2S Client for Android that not only has basic implementation of the ActivityPub Client-to-Server spec, but which has internal data model close to the ActivityPub/ActivityStreams data model.
Anfora	https://anfora.app/	https://github.com/anforaProject/anfora	A decentralized image sharing platform.
aoderelay			
Bonfire			A generic ActivityPub federated server.
bookwyrm	https://fedireads-test.glitch.me/	https://github.com/mouse-reeve/bookwyrm	Social reading and reviewing, decentralized with ActivityPub.

App Instances	App Website	Source Code	Description
Castling Club	https://castling.club/	https://github.com/stephank/castling.club	An ActivityPub server with a single hardcoded 'King' service actor that acts as a chess arbiter.
corgidon			
cpub		https://gitlab.com/openengiadina/cpub	CPub is a general ActivityPub server built upon Semantic Web ideas. Most notably it also implements a Linked Data Platform (LDP) and uses RDF Turtle as serialization format.
diaspora*	https://diasporafoundation.org	https://github.com/diaspora/diaspora , https://wiki.diasporafoundation.org/Installation	A privacy-aware, distributed, open source social network.
Discourse			Discussion on Federation support for Discourse.
distbin		https://github.com/gobengo/distbin	Post bin with distributed social features. A networked place to store posted web documents. This is meant to allow for distributed social commentary and reaction around these documents using best practices recommended or noted by the W3C Social Web Working Group.
dolphin		https://github.com/syuilo/dolphin	
dokieli	https://dokie.li/	https://github.com/linkeddata/dokieli	Clientside editor for decentralised article publishing, annotations and social interactions.
ejabberd	https://ejabberd.im	https://docs.ejabberd.im/	

App Instances	App Website	Source Code	Description
epicyon	https://epicyon.net/	https://gitlab.com/bashrc2/epicyon	Modern ActivityPub compliant server, designed for simplicity and accessibility. Includes calendar, news and sharing economy features to empower your federated community.
FediBlog	https://fedi.blog/	https://framagit.org/DavidLibeau/FediBlog	WIP — Easy self-hosted, ActivityPub, Markdown, PHP, NoSQL, fully customisable blog engine for noob web devs and others!
fedireads			
Flounder	https://flounder.online/	https://sr.ht/~alexwennerberg/flounder/ , https://github.com/alexwennerberg/flounder	A portal into the small web [1].

App Instances	App Website	Source Code	Description
Friendica / Friendica #2	https://friendi.ca	https://github.com/friendica/friendica , https://github.com/friendica/friendica/blob/master/INSTALL.txt	Welcome to the free social web. Friendica is a decentralised communications platform that integrates social communication. Our platform links to independent social projects and corporate services. Our mission is to free friends, family and colleagues from data-harvesting corporations; we aim for social communication to be free and open, while flowing between any provider as easily as email does. Friendica connects you effortlessly to a federated communications network of several thousand servers, with more than half a million user registrations. You can directly connect to anyone on Friendica, Mastodon, Diaspora, GnuSocial, Pleroma, or Hubzilla, regardless where each user profile is hosted. With Friendica, you can also fully interact with anyone on Twitter, post on Facebook and receive any content on Tumblr, Wordpress or RSS. Friendica allows you to integrate most things on the web via a range of addons such as IFTT, Buffer; you will be able to easily control your own data as you decide.

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Funkwhale / Funkwhale #2	https://funkwhale.audio	https://dev.funkwhale.audio/funkwhale/funkwhale , https://docs.funkwhale.audio/installation/index.html	A social platform to enjoy and share music. / A self-hosted tribute to Grooveshark.com.
Gancio	https://gancio.org	https://framagit.org/les/gancio	A shared agenda for local communities with AP support.
Gath	https://gath.io/	https://github.com/lowercasename/gathio	Self-destructing, shareable, no-registration event pages.
gnusocial	https://gnusocial.network/ , https://gnu.io/social	https://notabug.org/diogo/gnu-social , https://notabug.org/diogo/gnu-social/src/master/INSTALL.md	The free/libre software social networking platform.
Go-Fed			Discussion about the suite of Golang ActivityPub libraries and tools.
go-littr		https://github.com/mariusor/littr.go	A new attempt at the social link aggregator service. It is modelled after (old)Reddit, HackerNews, and Lobste.rs trying to combine the good parts of these services while mapping them on the foundation of an ActivityPub generic service.
gourami		https://github.com/alexwennerberg/gourami	A decentralized social network for the small web, implemented in ActivityPub. This repository is archived and not maintained. Many of the ideas informing it have informed my new project, Flounder.
groundpolls		https://github.com/Groundpolis/Groundpolis	A forever evolving, professional microblogging platform. Groundpolis is a Misskey based microblogging platform.

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Guppe	https://gup.pe/	https://github.com/wmurphyrd/guppe	Social groups for the fediverse - making it easy to connect and meet new people based on shared interests without the manipulation of your attention to maximize ad revenue nor the walled garden lock-in of capitalist social media.
hackhackhack			
Hash2Pub			a fully-decentralised relay for global hashtag federation
honk	https://humungus.tedunangst.com/r/honk/f	https://humungus.tedunangst.com/r/honk/f	Take control of your honks and join the federation. An ActivityPub server with minimal setup and support costs. Spend more time using the software and less time operating it.
Hubzilla / Hubzilla #2	https://hubzilla.org	https://framagit.org/hubzilla/core , https://framagit.org/hubzilla/core/blob/master/install/INSTALL.txt	Hubzilla is a general purpose communication server integrated with a web publishing system and a decentralised permission system. / An independent platform for sharing stuff online (publicly or privately).
Juick			
kanzaki		https://github.com/KnzkDev/kanzaki [2)]	
kepi		https://gitlab.com/marnanel/chapeau	A Django-based microblogging system, implemented in Python. It uses the ActivityPub protocol to communicate with other servers, and the Mastodon protocol to communicate with clients. / ActivityPub daemon in Django.

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kibou		https://git.cybre.club/kibouproject/kibou	Kibou is a federated social networking server.
koype	https://koype.net		
kroeg	https://puckipedia.com/kroeg	https://git.puckipedia.com/kroeg	really flexible federated social media!
LearnAwesome	https://learnawesome.org/	https://github.com/learn-awesome/learn	Awesome learning resources organized by topics, formats and difficulty. Optimal learning paths for any topic.
Lemmy	https://join.lemmy.ml/	https://github.com/dessalines/lemmy	Lemmy is a link aggregator / reddit alternative, intended to work in the fediverse.
lotide / lotide #2		https://sr.ht/~vpzom/lotide	A federated forum / link aggregator using ActivityPub.
Mastodon / Mastodon #2	https://joinmastodon.org	https://github.com/tootsuite/mastodon , https://github.com/tootsuite/documentation#running-mastodon	Social networking, back in your hands. / A free, open-source social network server based on ActivityPub where users can follow friends and discover new ones. On Mastodon, users can publish anything they want: links, pictures, text, video. All Mastodon servers are interoperable as a federated network (users on one server can seamlessly communicate with users from another one, including non-Mastodon software that implements ActivityPub)!
Mastotool		https://github.com/muesli/mastotool	A collection of command-line tools to work with your Mastodon account.
Matrix (Conduit)			

App Instances	App Website	Source Code	Description
Matrix (Construct)			
Matrix (Dendrite)			
Matrix (Synapse)	https://matrix.org	https://github.com/matrix-org/synapse#synapse-installation	
microblogpub	https://microblog.pub	https://github.com/tsileo/microblog.pub , https://github.com/tsileo/microblog.pub#installation	A self-hosted, single-user, ActivityPub powered microblog.
microstatus		https://github.com/Arkanosis/microstatus	A lightweight Mastodon- and GNU social-compatible OStatus and ActivityPub server implementation.
Misskey / Misskey #2 / Misskey #3	https://misskey.io , https://joinmisskey.github.io/	https://github.com/syuilo/misskey , https://github.com/syuilo/misskey/blob/develop/docs/setup.en.md	A forever evolving, interplanetary microblogging platform. / A decentralized microblogging platform born on Earth. Since it exists within the Fediverse (a universe where various social media platforms are organized), it is mutually linked with other social media platforms. Why don't you take a short break from the hustle and bustle of the city, and dive into a new Internet?
mistpark			
Mobilizon / Mobilizon #2	https://joinmobilizon.org/en	https://framagit.org/framasoft/mobilizon	Together, we go further. Mobilizon is a tool that helps you find, create and organise events. You can also create a page for your group where the members will be able to organise together.
MoonTree		https://github.com/Faleidel/moontreeproject	Link aggregator like reddit or hackernews.
n/a			

App Instances	App Website	Source Code	Description
Nextcloud-Social	https://apps.nextcloud.com/apps/social	https://github.com/nextcloud/social	Nextcloud becomes part of the federated social networks!
Olki	https://olki.loria.fr/platform	https://framagit.org/synalp/olki/olki	Self-hosted science: corpora, peer reviews, alerts, all in one simple gateway to the fediverse for a science that is more open to the public.
openEngiadina			Create, share and use open local knowledge.
Osada	https://zotlabs.com/osada , https://framagit.org/macgirvin/osada/blob/master/install/INSTALL.txt		
ostatus			
p3k	https://indieweb.org/p3k		
PeerTube / PeerTube #2 / PeerTube #3	https://joinpeertube.org/en , https://joinpeertube.org	https://github.com/Chocobozzz/PeerTube , https://docs.joinpeertube.org/#/install-any-os	Take back control of your videos. / Be part of a network of multiple small federated, interoperable video hosting providers. Follow video creators and create videos. No vendor lock-in. All on a platform that is community-owned and ad-free.
Pherephone			An activityPub server that reblogs all the statuses of certain actors.
Pixelfed / Pixelfed #2	https://pixelfed.org	https://github.com/dansup/pixelfed , https://github.com/dansup/pixelfed#installation	Photo sharing. For everyone. / A free and ethical photo sharing platform, powered by ActivityPub federation.

App Instances	App Website	Source Code	Description
Pleroma / Pleroma #2	https://pleroma.social	https://git.pleroma.social/pleroma , https://git.pleroma.social/pleroma/pleroma#installation	Pleroma is a free, federated social networking server built on open protocols (ActivityPub and OStatus). It's ressource usage is lightweight (can run on a Raspberry Pi) and is easy to deploy (only requires PostgreSQL for releases).
Plume / Plume #2	https://joinplu.me/	https://github.com/Plume-org/Plume , https://docs.joinplu.me/installation/	A federated blogging application.
Prismo	https://gitlab.com/mbajur/prismo	https://gitlab.com/mbajur/prismo#installing	
Prosody	https://prosody.im	https://prosody.im/download/start	
Pubcast	https://pubcast.pub/	https://github.com/pubcast/pubcast	Distributed/federated podcasting platform based on ActivityPub.
pubgate		https://github.com/autogestion/pubgate	Asyncronous Lightweight ActivityPub API / CMS
RavenVale		https://git.lubar.me/lubar-local/ravenvale	Federating guild website.
read.as	https://read.as	https://github.com/writeas/Read.as	
Readlebee		https://gitlab.com/Alamantus/Readlebee	An attempt at a viable alternative to Goodreads.
red			
redmatrix			
redaktor.me			The multimedia CMS for the Fediverse – redaktor will be a web content management system to setup your social connected website in minutes. On your own server. redaktor helps you with telling your stories.
reel2bits	https://reel2bits.org	https://github.com/rhaamo/reel2bits	reel2bits is a self-hosted Soundtracks and Podcasts sharing, with ActivityPub federation.

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Rustodon		https://github.com/rustodon/rustodon	Rustodon is an Mastodon-compatible federated social microblogging server. It utilizes ActivityPub to federate with a constellation of other servers, connecting their communities with yours.
SemApps	http://semapps.org/	https://github.com/assemblee-virtuelle/semapps	An open source project which aims to ease data storage and filtering.
SkoHub	https://skohub.io/	https://github.com/hbz/skohub-pubsub	SkoHub – Simple Knowledge Organization Hub
Smilodon		https://source.puri.sm/liberty/smilodon	A complementary fork of Mastodon, focusing on opt-in public spaces.
Smithereen	http://smithereen.software/	https://github.com/grishka/Smithereen	Federated, ActivityPub-compatible social network with friends, walls, and groups.
Socialhome	https://socialhome.network/	https://git.feneas.org/socialhome/socialhome , https://socialhome.readthedocs.io/en/latest/installation.html	A federated social home.
Spritely	https://spritelyproject.org/	https://gitlab.com/spritely	A distributed social network written in Racket. This is a collection of several of its projects.
Tavern		https://gitlab.com/ngerakines/tavern	A minimalistic Activity Pub server. Think mastodon, but smaller and with fewer features. This category is for the discussion of Tavern, an open source activitypub server written in Golang.
tsundere			
unknown			

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Vervis	https://forge.angeley.es/browse	https://code.angeley.es/browse , https://dev.angeley.es/s/fr33domlover/r/vervis/s	A work-in-progress federated project and repository hosting and collaboration platform. Its development is meant to help form the ForgeFed specification for project hosting platform federation, and hopefully get existing platforms (such as Gitea, Gogs, GitLab CE, etc.) to support it.
WordPress / WordPress #2	https://wordpress.org	https://wordpress.org/download/	
WriteFreely / WriteFreely #2	https://writefreely.org/	https://github.com/writeas/writefreely , https://writefreely.org/start	A simple, federated writing platform.
Zap	https://zotlabs.com/zap	https://codeberg.org/zot/zap	Zap is a webserver app which implements a decentralised social network with more privacy and less drama.

Protocols

1. activitypub
2. matrix
3. ostatus
4. diaspora
5. dfrn
6. zot
7. xmpp
8. webmention
9. inbound
10. outbound
11. litepub
12. websub

13. micropub
14. microformats
15. smtp

Instances

https://the-federation.info/#projects

https://fediverse.network/

References

Comparison_of_software_and_protocols_for_distributed_social_networking

https://socialhub.activitypub.rocks/c/software

https://fediverse.party/en/miscellaneous

1)
https://neustadt.fr/essays/the-small-web/
2)
no source code available yet

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