

# Awesome-Selfhosted



Self-hosting is the practice of locally hosting and managing applications instead of renting from [SaaS](#) providers.

This is a list of [Free](#) Software [network services](#) and [web applications](#) which can be hosted locally. Non-Free software is listed on the [Non-Free](#) page.

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## Software

## Analytics

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Please visit [Awesome Analytics](#)

Related: [Personal Dashboards](#)

## Archiving and Digital Preservation (DP)

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Related: [Content Management Systems \(CMS\)](#)

- [Access to Memory \(AtoM\)](#) - Web-based, open source application for standards-based archival description and access in a multilingual, multi-repository environment. ([Demo](#), [Source Code](#)) `AGPL-3.0-only` `PHP`
- [ArchiveBox](#) - Self-hosted *wayback machine* that creates HTML & screenshot archives of sites from your bookmarks, browsing history, RSS feeds, or other sources. ([Source Code](#)) `MIT` `Python`
- [Archivematica](#) - Mature digital preservation system designed to maintain standards-based, long-term access to collections of digital objects. ([Demo](#), [Source Code](#)) `AGPL-3.0-only` `Python`
- [ArchivesSpace](#) - Archives information management application for managing and providing Web access to archives, manuscripts and digital objects. ([Demo](#), [Source Code](#)) `ECL-2.0` `Ruby`
- [CKAN](#) - CKAN is a tool for making open data websites. ([Source Code](#)) `AGPL-3.0` `Python`
- [Collective Access - Providence](#) - Highly configurable Web-based framework for management, description, and discovery of digital and physical collections supporting a variety of metadata standards, data types, and media formats. ([Source Code](#)) `GPL-3.0-only` `PHP`
- [Horahora](#) - Video hosting website and video archival manager for Niconico, Bilibili, and Youtube. `MIT` `Go`


## Automation

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Related: [Internet of Things \(IoT\)](#)

- [Accelerated Text](#) - Automatically generate multiple natural language descriptions of your data varying in wording and structure. `Apache-2.0` `Java`
- [Actionsflow](#) `△` - The free Zapier/IFTTT alternative for developers to automate your workflows based on Github actions. `MIT` `Docker/Nodejs`
- [ActiveWorkflow](#) - An intelligent process and workflow automation platform based on software agents. `MIT` `Ruby`
- [Alltube](#) - Web interface for [youtube-dl](#), a program to download videos and audio from [more than 100 websites](#). ([Source Code](#)) `GPL-3.0` `PHP`
- [AmIUnique](#) - Learn how identifiable you are on the Internet (browser fingerprinting tool). ([Source Code](#)) `MIT` `Java`

- [Baserow](#) - Open source online database tool and Airtable alternative. Create your own database without technical experience. ([Source Code](#)) MIT Python/Nodejs
- [Beehive](#) - Flexible event and agent system, which allows you to create your own agents that perform automated tasks triggered by events and filters. AGPL-3.0 Go
- [betanin](#) - Music organization man-in-the-middle of your torrent client and music player. Based on beets.io, similar to Sonarr and Radarr. GPL-3.0 Python
- [ChiefOnboarding](#) - Employee onboarding platform that allows you to provision user accounts and create sequences with todo items, resources, text/email/Slack messages, and more! Available as a web portal and Slack bot. ([Source Code](#)) AGPL-3.0 Python
- [CouchPotato](#) - CouchPotato is an automatic Video Library Manager for Movies. Automatic torrent/nzb searching, downloading, and processing at the qualities you want. ([Source Code](#)) GPL-3.0 Python
- [Episodes](#) <sup>△</sup> - Self Hosted TV show Episode tracker and recommender built using django, bootstrap4. MIT Python
- [Exadel CompreFace](#) - face recognition system that provides REST API for face recognition, face detection, and other face services, and is easily deployed with docker. There are SDKs for Python and JavaScript languages. Can be used without prior machine learning skills. ([Source Code](#)) Apache-2.0 Docker/Java/Nodejs
- [feed2toot](#) - Feed2toot parses a RSS feed, extracts the last entries and sends them to Mastodon. ([Source Code](#)) GPL-3.0 Python
- [feedmixer](#) - FeedMixer is a WSGI (Python3) micro web service which takes a list of feed URLs and returns a new feed consisting of the most recent n entries from each given feed(Returns Atom, RSS, or JSON). ([Demo](#)) WTFPL Python
- [Headphones](#) - Automated music downloader for NZB and Torrent, written in Python. It supports SABnzbd, NZBget, Transmission, µTorrent, Deluge and Blackhole. GPL-3.0 Python
- [Healthchecks](#) - Django app which listens for pings and sends alerts when pings are late. ([Source Code](#)) BSD-3-Clause Python
- [homebank-converter](#) - Web app to convert an export bank file to compatible Homebank csv. ([Demo](#)) AGPL-3.0 HTML5
- [HRConvert2](#) - Drag-and-drop file conversion server with session based authentication, automatic temporary file maintenance, and logging capability. GPL-3.0 PHP
- [Huginn](#) - Allows you to build agents that monitor and act on your behalf. MIT Ruby
- [Kibitzr](#) - Lightweight personal web assistant with powerful integrations. ([Source Code](#)) MIT Python
- [Krayin](#) - Free and Opensource Laravel CRM Application. ([Source Code](#)) MIT PHP

- [LazyLibrarian](#)  - LazyLibrarian is a program to follow authors and grab metadata for all your digital reading needs. It uses a combination of Goodreads Librarything and optionally GoogleBooks as sources for author info and book info. [GPL-3.0](#) [Python](#)
- [Leon](#) - Open-source personal assistant who can live on your server. ([Source Code](#)) [MIT](#)  
[Nodejs](#)
- [Lidarr](#) - Lidarr is a music collection manager for Usenet and BitTorrent users. ([Source Code](#)) [GPL-3.0](#) [C#](#)
- [Medusa](#) - Automatic Video Library Manager for TV Shows. It watches for new episodes of your favorite shows, and when they are posted it does its magic. ([Source Code](#)) [GPL-3.0](#)  
[Python](#)
- [MeTube](#) - Web GUI for youtube-dl, with playlist support. Allows downloading videos from dozens of websites. [AGPL-3.0](#) [Python/Nodejs/Docker](#)
- [n8n](#) - Free node based Workflow Automation Tool. Easily automate tasks across different services. ([Source Code](#)) [Apache-2.0](#) [Nodejs](#)
- [nefarious](#) - Web application that automates downloading Movies and TV Shows. [GPL-3.0](#)  
[Python](#)
- [NocoDB](#) - No-code platform that turns any database into a smart spreadsheet. It can be considered as an Airtable or Smartsheet alternative. ([Source Code](#)) [GPL-3.0](#) [Nodejs](#)
- [OliveTin](#) - OliveTin is a web interface for running Linux shell commands. [AGPL-3.0](#) [Go](#)
- [Patrowl](#) - Open Source, Smart and Scalable Security Operations Orchestration Platform. [AGPL-3.0](#) [Python](#)
- [Podgrab](#) - Lightweight podcast manager and automatic podcast episode downloader. It will monitor podcasts for your and download them automatically whenever a new episode goes live. [GPL-3.0](#) [Docker/Go](#)
- [pyLoad](#) - Lightweight, customizable and remotely manageable downloader for 1-click-hosting sites like rapidshare.com or uploaded.to. ([Source Code](#)) [GPL-3.0](#) [Python](#)
- [Radarr](#) - Radarr is an independent fork of Sonarr reworked for automatically downloading movies via Usenet and BitTorrent, à la Couchpotato. ([Source Code](#)) [GPL-3.0](#) [C#](#)
- [SickRage](#) - SickRage is an automatic Video Library Manager for TV Shows. Automatic torrent/nzb searching, downloading, and processing at the qualities you want. ([Source Code](#)) [GPL-3.0](#) [Python](#)
- [SiteInspector](#) - Web-based tool for catching spelling errors, grammatical errors, broken links, and other errors on websites. ([Demo](#), [Source Code](#)) [AGPL-3.0](#) [Ruby](#)
- [Sonarr](#) - Automatic TV Shows downloader and manager for Usenet and BitTorrent. It can grab, sort and rename new episodes and automatically upgrade the quality of files already downloaded when a better quality format becomes available. ([Source Code](#)) [GPL-3.0](#) [C#](#)


- [StackStorm](#) - StackStorm (aka *IFTTT for Ops*) is event-driven automation for auto-remediation, security responses, troubleshooting, deployments, and more. Includes rules engine, workflow, 160 integration packs with 6000+ actions and ChatOps. ([Source Code](#))  
Apache-2.0 Python
- [WebUI-aria2](#) - Interface to interact with the aria2 downloader. Very simple to use, just download and open index.html in any web browser. ([Demo](#)) MIT HTML5
- [ydl\\_api](#) - Simple youtube-dl REST API to launch downloads on a distant server. Unlicense  
Python
- [YoutubeDL-Material](#) - Material Design inspired YouTube downloader, based on youtube-dl. Supports playlists, quality select, search, dark mode and much more, all with a clean and modern design. MIT Nodejs
- [Zenbot](#) - Zenbot is a lightweight, extendable, artificially intelligent trading bot for Bitcoin, Ether, Litecoin, and more. MIT Nodejs
- [ZeroQueue](#) - A low-code queue management system that lets you run scheduled jobs for anything. GPL-3.0 Nodejs
- [µTask](#) - µTask is an automation engine that models and executes business processes declared in yaml. BSD-3-Clause Go

## Blogging Platforms

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Related: [Static Site Generators](#), [Content Management Systems \(CMS\)](#)

See also: [WeblogMatrix](#)

- [Antville](#) - Free, open source project aimed at the development of a high performance, feature rich weblog hosting software. ([Source Code](#)) Apache-2.0 Javascript
- [Blog](#) - Facebook-styled blog. Free, extremely lightweight, single-user and easy to install. ([Demo](#)) GPL-3.0 PHP
- [Blogotext](#) - Free blog-engine written in PHP and using SQLite. This offers you both an unmatched simplicity during installation and great performances. MIT PHP
- [Bludit](#)  - Simple application to build a site or blog in seconds. Bludit uses flat-files (text files in JSON format) to store posts and pages. ([Demo](#), [Source Code](#)) MIT PHP
- [Cadmus](#) - Cadmus is an extremely lightweight, flat-file blogging platform powered by Markdown. MIT PHP
- [Canvas](#) - A Laravel publishing platform. ([Source Code](#)) MIT PHP

- [Chyrp Lite](#) - Extra-awesome, extra-lightweight blog engine. ([Source Code](#)) BSD-3-Clause  
PHP
- [Dante Stories](#) - Self hosted Medium platform built with Ruby on Rails. ([Source Code](#)) MIT  
Ruby
- [Dotclear](#) - Take control over your blog. ([Source Code](#)) GPL-2.0 PHP
- [Formtools](#) - Powerful, flexible, free and open source PHP/MySQL script to manage your forms and data. ([Source Code](#)) GPL-2.0 PHP
- [Ghost](#) - Just a blogging platform. ([Source Code](#)) MIT Nodejs
- [Haven](#) - Private blogging system with markdown editing and built in RSS reader. ([Demo](#), [Source Code](#)) MIT Ruby
- [Hotglue](#) - Freehand CMS which allows to construct websites directly in a web-browser. It uses flat files for storage and provides an intuitive GUI. ([Demo](#), [Source Code](#)) GPL-3.0 PHP
- [htmly](#) - Databaseless Blogging Platform (Flat-File Blog). ([Demo](#), [Source Code](#)) GPL-2.0 PHP
- [Known](#) - A collaborative social publishing platform. ([Source Code](#)) Apache-2.0 PHP
- [Plume](#) - Federated blogging engine, based on ActivityPub. ([Source Code](#)) AGPL-3.0 Rust
- [PluXml](#) - XML-based blog/CMS platform. ([Source Code](#)) GPL-1.0 PHP
- [Serendipity](#) - Serendipity (s9y) is a highly extensible and customizable PHP blog engine using Smarty templating. ([Source Code](#)) BSD-3-Clause PHP

## Booking and Scheduling

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Related: [Polls and Events](#)

- [Alf.io](#) - The open source ticket reservation system. ([Demo](#), [Source Code](#)) GPL-3.0 Java
- [Calendso](#) - The open-source online appointment scheduling system. ([Demo](#), [Source Code](#))  
MIT Nodejs
- [Easy!Appointments](#) - A highly customizable web application that allows your customers to book appointments with you via the web. ([Demo](#), [Source Code](#)) GPL-3.0 PHP

## Bookmarks and Link Sharing

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- [dyu bookmarks](#) - Single-threaded/process bookmark app powered by leveldb and uWebSockets. Supports importing from Delicious and Chrome. ([Demo](#)) Apache-2.0 Java

- [Espial](#) - An open-source, web-based bookmarking server. [AGPL-3.0](#) [Haskell](#)
- [Firefox Account Server](#) - This allows you to host your own Firefox accounts server. ([Source Code](#)) [MPL-2.0](#) [Nodejs](#), [Java](#)
- [Firefox Sync Server](#) - Sync Firefox bookmarks, passwords, history, tabs, preferences. [MPL-2.0](#) [Python](#)
- [Geekmarks](#) - Personal bookmarking service focused on speed and organization using hierarchical tags. ([Source Code](#)) [BSD-2-Clause](#) [Go](#)
- [golinks](#) - Web application that allows you to create smart bookmarks, commands and aliases by pointing your web browser's default search engine at a running instance. Similar to bunny1 or yubnub. ([Demo](#)) [MIT](#) [Go](#)
- [Hackershare](#) - Social bookmarks website for hackers. ([Demo](#)) [MIT](#) [Ruby](#)
- [LinkAce](#) - A bookmark archive with automatic backups to the Internet Archive, link monitoring, and a full REST API. Installation is done via Docker, or as a simple PHP application. ([Demo](#), [Source Code](#)) [GPL-3.0](#) [PHP](#)
- [linkding](#) - Minimal bookmark management with a fast and clean UI. Simple installation through Docker and can run on your Raspberry Pi. ([Demo](#)) [MIT](#) [Docker/Python/Nodejs](#)
- [Lobsters](#) - Run your own link aggregation site. ([Source Code](#)) [BSD-3-Clause](#) [Ruby](#)
- [No Fuss Bookmarks](#) - Very simple software and service to store bookmarks especially designed for hackers (that don't need fancy interfaces, but nice API). ([Source Code](#)) [GPL-3.0](#) [Python](#)
- [Pinry](#) - The tiling image board system for people who want to save, tag, and share images, videos, and webpages. ([Source Code](#)) [BSD-2-Clause](#) [Python](#)
- [Reminiscence](#) - Self-Hosted Bookmark And Archive Manager. [AGPL-3.0](#) [Python](#)
- [Shaarli](#) - Personal, minimalist, super-fast, no-database bookmarking and link sharing platform. ([Demo](#)) [ZLib](#) [PHP](#)
- [Shiori](#) - Simple bookmark manager built with Go. [MIT](#) [Go](#)
- [ubookmark](#) - LDAP enabled bookmarking service. ([Demo](#), [Source Code](#)) [GPL-2.0](#) [Python](#)
- [unmark](#) - Open source to do app for links. ([Source Code](#)) [MIT](#) [PHP](#)
- [xBrowserSync](#) - Open source tool for syncing browser data between browsers and devices. ([Source Code](#)) [MIT](#) [Nodejs](#)

## Calendar & Contacts

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Related: [Groupware](#)

See also: [Comparison of CalDAV and CardDAV implementations - Wikipedia](#)

# Calendar & Contacts - CalDAV or CardDAV Servers

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- [Baïkal](#) - Lightweight CalDAV and CardDAV server based on sabre/dav. ([Source Code](#)) [GPL-3.0](#) [PHP](#)
- [calypso](#) - Python-based CalDAV and CardDAV server, forked from Radicale. ([Source Code](#)) [GPL-3.0](#) [Python](#)
- [DAViCal](#) - Server for calendar sharing (CalDAV) that uses a PostgreSQL database as a data store. ([Source Code](#)) [GPL-2.0](#) [PHP](#)
- [Davis](#) - A simple, dockerizable and fully translatable admin interface for sabre/dav based on Symfony 5 and Bootstrap 4, largely inspired by Baïkal. [MIT](#) [PHP](#)
- [DecSync CC](#) - Serverless contacts, calendar synchronization using your own file syncing method i.e Syncting, Nextcloud etc. ([Source Code](#)) [GPL-3.0](#) [Kotlin](#)
- [Etebase \(EteSync\)](#) - End-to-end encrypted and journaled personal information server supporting calendar and contact data, offering its own clients. ([Source Code](#)) [AGPL-3.0](#) [Python/Django](#)
- [Radicale](#) - Simple calendar and contact server with extremely low administrative overhead. ([Source Code](#)) [GPL-3.0](#) [Python](#)
- [SabreDAV](#) - Open source CardDAV, CalDAV, and WebDAV framework and server. ([Source Code](#)) [MIT](#) [PHP](#)
- [Xandikos](#) - Open source CardDAV and CalDAV server with minimal administrative overhead, backed by a Git repository. ([Source Code](#)) [GPL-3.0](#) [Python](#)

# Calendar & Contacts - CalDAV or CardDAV Web-based Clients

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- [AgenDAV](#) - Multilanguage CalDAV web client with a rich AJAX interface and shared calendars support. ([Source Code](#)) [GPL-3.0](#) [PHP](#)
- [EteSync Web](#) - EteSync's official Web-based client (i.e., their Web app). ([Demo](#), [Source Code](#)) [AGPL-3.0](#) [Javascript](#)

- [InfCloud](#) - Open source CalDAV/CardDAV web client implementation. ([Demo](#), [Source Code](#))  
AGPL-3.0 Javascript

# Communication

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## Communication - Custom Communication Systems

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- [BluetoothCommunicatorExample](#) - Bluetooth LE chat app to communicate between android devices with P2P architecture. ([Clients](#)) Apache-2.0 Java
- [Centrifugo](#) - Language-agnostic real-time messaging (Websocket or SockJS) server. ([Demo](#)) MIT Go
- [Chaskiq](#) - Full featured livechat, helpcenter and CRM as an alternative to Intercom & Drift, Crisp and others. ([Source Code](#)) AGPL-3.0 Ruby
- [Chatwoot](#) - Self-hosted customer communication platform, an alternative to Intercom & Zendesk. ([Source Code](#)) MIT Ruby
- [Cherry](#) - Tiny webchat server. GPL-2.0 Go
- [Conduit](#) - A simple, fast, and reliable chat server powered by Matrix. ([Source Code](#)) Apache-2.0 Rust
- [Darkwire.io](#) - End-to-end encrypted instant web chat. MIT Nodejs
- [Element](#) - Fully-featured Matrix client for Web, iOS & Android. ([Source Code](#)) Apache-2.0 Javascript
- [Enigma Reloaded](#) - DIY Message and file encryption for any platform. GPL-3.0 Javascript
- [Freenet](#) - Anonymously share files, browse and publish *freesites* (web sites accessible only through Freenet) and chat on forums. ([Source Code](#)) GPL-2.0 Java
- [GNUnet](#) - Free software framework for decentralized, peer-to-peer networking. ([Source Code](#)) GPL-3.0 C
- [Gotify](#) - Self-hosted notification server with Android and CLI clients, similar to PushBullet. ([Source Code](#), [Clients](#)) MIT Go
- [Hawkpost](#) - HawkPost is a web app that lets you create unique links that you can share with a person that desires to send you important information but doesn't know how to encrypt it. The message is encrypted in their browser and sent to your email address. ([Source Code](#)) MIT Python

- [Jami](#) - Free and universal communication platform which preserves the user's privacy and freedoms (formerly GNU Ring). ([Source Code](#)) `GPL-3.0` `C++`
- [Jitsi Meet](#) - Jitsi Meet is an OpenSource (MIT) WebRTC Javascript application that uses Jitsi Videobridge to provide high quality, scalable video conferences. ([Source Code](#)) `MIT`  
`Javascript`
- [Jitsi Video Bridge](#) - WebRTC compatible Selective Forwarding Unit (SFU) that allows for multiuser video communication. ([Source Code](#)) `Apache-2.0` `Java`
- [KChat](#) - PHP Based Live Chat Application. `Apache-2.0` `PHP`
- [LeapChat](#) - Ephemeral, encrypted, in-browser chat rooms. `AGPL-3.0` `Javascript`
- [Lets-Chat](#) - Self hosted chat suite written in Node. ([Source Code](#)) `MIT` `Nodejs`
- [LibreNews](#) - Decentralized and secure breaking news notification system. ([Source Code](#))  
`GPL-3.0` `Python`
- [Live Helper Chat](#) - Live Support chat for your website. ([Source Code](#)) `Apache-2.0` `PHP`
- [LiveKit](#) - Modern, scalable WebRTC conferencing platform with client SDKs. ([Demo](#), [Source Code](#)) `Apache-2.0` `Go`
- [Matrix Console Web](#) - Web client meant to be a showcase of Matrix capabilities, and reference implementation of the Matrix standard. ([Source Code](#)) `Apache-2.0` `Javascript`
- [Mattermost](#) - Open-source, on-prem Slack-alternative. It can be integrated with Gitlab. ([Source Code](#)) `AGPL-3.0/Apache-2.0` `Go`
- [MiAOU](#) - Multi-room persistent chat server. ([Source Code](#)) `MIT` `Nodejs`
- [Mibew](#) - Mibew Messenger is an open-source live support application written in PHP and MySQL. It enables one-on-one chat assistance in real-time directly from your website. ([Demo](#), [Source Code](#)) `Apache-2.0` `PHP`
- [Mumble](#) - Low-latency, high quality voice/text chat software. ([Source Code](#), [Clients](#)) `BSD-3-Clause` `C++`
- [OTS](#) - One-Time-Secret sharing platform with a symmetric 256bit AES encryption in the browser. ([Source Code](#)) `Apache-2.0` `Go`
- [Papercups](#) - An open source live customer chat web app written in Elixir. ([Demo](#), [Source Code](#)) `MIT` `Elixir`
- [PushBits](#) - Self-hosted notification server for relaying push notifications via Matrix, similar to PushBullet and Gotify. `ISC` `Go`
- [pWS](#) - pWS is a free, open-source Pusher drop-in alternative. `MIT` `Nodejs`
- [Rallyy](#) - Rallyy is a free collaborative scheduling service. ([Source Code](#)) `CC-BY-SA-4.0`  
`Nodejs`

- [RetroShare](#) - Secured and decentralized communication system. Offers decentralized chat, forums, messaging, file transfer. ([Source Code](#)) `GPL-2.0` `C++`
- [Rocket.Chat](#) - Teamchat solution similar to Gitter.im or Slack. ([Source Code](#)) `MIT` `Nodejs`
- [Shhh](#) - Keep secrets out of emails or chat logs, share them using secure links with passphrase and expiration dates. `MIT` `Python`
- [Spectrum 2](#) - Spectrum 2 is an open source instant messaging transport. It allows users to chat together even when they are using different IM networks. ([Source Code](#)) `GPL-3.0` `C++`
- [Spreed](#) - WebRTC audio/video calls, conferencing server, and web client. ([Source Code](#)) `AGPL-3.0` `Go`
- [StoneAge Messenger](#) - A self-hosted Android messenger, S3-compatible storage is the only backend needed. ([Source Code](#), [Clients](#)) `GPL-3.0` `Java`
- [Synapse](#) - Server for [Matrix](#), an open standard for decentralized persistent communication. ([Source Code](#)) `Apache-2.0` `Python`
- [Syndie](#) - Syndie is a libre system for operating distributed forums. `CC0-1.0` `Java`
- [TextBelt](#) <sup>△</sup> - Outgoing SMS API that uses carrier-specific gateways to deliver your text messages for free, and without ads. `MIT` `Javascript`
- [Tinode](#) - Instant messaging platform. Backend in Go. Clients: Swift iOS, Java Android, JS webapp, scriptable command line; chatbots. ([Demo](#), [Source Code](#), [Clients](#)) `GPL-3.0` `Go`
- [Tox](#) - Distributed, secure messenger with audio and video chat capabilities. ([Source Code](#)) `GPL-3.0` `C`
- [Tuber](#) - Peer-to-peer video chat that works. ([Source Code](#)) `MIT` `Javascript`
- [WBO](#) - A web Whiteboard to collaborate in real-time on schemas, drawings, and notes. ([Demo](#)) `AGPL-3.0` `Nodejs/Docker`
- [ZeroNet](#) <sup>△</sup> - Open, free, and uncensorable websites, using Bitcoin cryptography and BitTorrent network. ([Source Code](#)) `GPL-2.0` `Python`
- [Zulip](#) - Zulip is a powerful, open source group chat application. ([Source Code](#)) `Apache-2.0/Other` `Python`

## Communication - Email

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## Communication - Email - Complete Solutions

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Simple deployment of a mail server, e.g. for inexperienced or impatient admins.

- [AnonAddy](#) - Open source email forwarding service for creating aliases. ([Source Code](#)) MIT PHP
- [DebOps](#) - Your Debian-based data center in a box. A set of general-purpose Ansible roles that can be used to manage Debian or Ubuntu hosts. ([Source Code](#)) GPL-3.0-only YAML/Ansible/Python
- [docker-mailserver](#) - Fullstack but simple mail server (smtp, imap, antispam, antivirus, etc.). Only configuration files, no SQL database. Keep it simple and versioned. Easy to deploy and upgrade. ([Source Code](#)) MIT Docker
- [emailwiz](#) - Luke Smith's bash script to completely automate the setup of a Postfix/Dovecot/SpamAssassin/OpenDKIM server on debian. GPL-3.0 Bash
- [Excision Mail](#) - Fullstack, security focused mailserver based on OpenSMTPD for OpenBSD using ansible. ISC Shell/Ansible
- [homebox](#) - Suite of Ansible scripts to deploy a fully functional mail server on Debian. Unobtrusive and automatic as much as possible, focusing on stability and security. GPL-3.0 Shell
- [Inboxen](#) - Inboxen is a service that provides you with an infinite number of unique inboxes. ([Source Code](#)) GPL-3.0 Python
- [iRedMail](#) - Full-featured mail server solution based on Postfix and Dovecot. ([Source Code](#)) GPL-3.0 Shell
- [Maddy Mail Server](#) - All-in-one mail server that implements SMTP (both MTA and MX) and IMAP. Replaces Postfix, Dovecot, OpenDKIM, OpenSPF, OpenDMARC with single daemon. GPL-3.0 Go
- [Mail-in-a-Box](#) - Turns any Ubuntu server into a fully functional mail server with one command. ([Source Code](#)) CC0-1.0 Shell
- [Mailcow](#) - Mail server suite based on Dovecot, Postfix and other open source software, that provides a modern Web UI for administration. ([Source Code](#)) GPL-2.0 Docker/PHP
- [Mailu](#) - Mailu is a simple yet full-featured mail server as a set of Docker images. ([Source Code](#)) MIT Docker/Python
- [Modoboa](#) - Modoboa is a mail hosting and management platform including a modern and simplified Web User Interface. ([Source Code](#)) ISC Python
- [Ptorx](#) - Email privacy. Anonymously send and receive with alias forwarding. GPL-3.0 Nodejs
- [Simple NixOS Mailserver](#) - Complete mailserver solution leveraging the Nix Ecosystem. GPL-3.0 Nix

- [SimpleLogin](#) - Open source email alias solution to protect your email address. Comes with browser extensions and mobile apps. ([Source Code](#)) MIT Docker/Python
- [widduck](#) - Scalable no-SPOF IMAP/POP3 mail server. ([Source Code](#)) EUPL-1.2 Nodejs

## Communication - Email - Mail Delivery Agents

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MDAs - IMAP/POP3 software

- [Cyrus IMAP](#) - Email (IMAP/POP3), contacts and calendar server. ([Source Code](#)) BSD-3-Clause-Attribution C
- [Dovecot](#) - IMAP and POP3 server written primarily with security in mind. ([Source Code](#)) MIT/LGPL-2.1 C
- [MailForm](#) - Lightweight self-hosted open source alternative to Formspree and SendGrid. Apache-2.0 Nodejs
- [Piler](#) - feature-rich open source email archiving solution. ([Source Code](#)) GPL-3.0 C

## Communication - Email - Mail Transfer Agents

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MTAs / SMTP servers

- [chasquid](#) - SMTP (email) server with a focus on simplicity, security, and ease of operation. ([Source Code](#)) Apache-2.0 Go
- [Courier MTA](#) - Fast, scalable, enterprise mail/groupware server providing ESMTP, IMAP, POP3, webmail, mailing list, basic web-based calendaring and scheduling services. ([Source Code](#)) GPL-3.0 C
- [Exim](#) - Message transfer agent (MTA) developed at the University of Cambridge. ([Source Code](#)) GPL-3.0 C
- [Haraka](#) - High-performance, pluginable SMTP server written in Javascript. ([Source Code](#)) MIT Javascript
- [MailCatcher](#) - Ruby gem that deploys a simply SMTP MTA gateway that accepts all mail and displays in web interface. Useful for debugging or development. ([Source Code](#)) MIT Ruby
- [Maildrop](#) - Disposable email SMTP server, also useful for development. MIT Scala

- [MailHog](#) - Small Golang executable which runs an SMTP MTA gateway that accepts all mail and displays in web interface. Useful for debugging or development. [MIT](#) [Go](#)
- [OpenSMTPD](#) - Secure SMTP server implementation from the OpenBSD project. ([Source Code](#)) [ISC](#) [C](#)
- [Postfix](#) - Fast, easy to administer, and secure Sendmail replacement. [IPL-1.0](#) [C](#)
- [Qmail](#) - Secure Sendmail replacement. ([Source Code](#)) [CC0-1.0](#) [C](#)
- [Sendmail](#) - Message transfer agent (MTA). [Sendmail](#) [C](#)
- [Slimta](#) - Mail Transfer Library built on Python. ([Source Code](#)) [MIT](#) [Python](#)

## Communication - Email - Mailing Lists and Newsletters

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Mailing lists servers and mass mailing software - one message to many recipients.

- [Dada Mail](#) - Web-based list management system that can be used for announcement lists and/or discussion lists. ([Source Code](#)) [GPL-2.0](#) [Perl](#)
- [HyperKitty](#) - Open source Django application to provide a web interface to access GNU Mailman v3 archives. ([Demo](#), [Source Code](#)) [GPL-3.0](#) [Python](#)
- [Listmonk](#) - High performance, self-hosted newsletter and mailing list manager with a modern dashboard. ([Source Code](#)) [AGPL-3.0](#) [Go](#)
- [Mailman](#) - The Gnu mailing list server. [GPL-3.0](#) [Python](#)
- [Mailtrain](#) - Self hosted newsletter application. ([Source Code](#)) [GPL-3.0](#) [Nodejs](#)
- [MailyHerald](#) - Self-hosted Mailchimp alternative that you can easily integrate with your site. Helps you send and manage your application mailings. It supports email marketing and conducting the daily stream of notifications you send to your users. ([Source Code](#)) [LGPL-3.0](#) [Ruby](#)
- [Mautic](#) - Mautic is marketing automation software (email, social and more). ([Source Code](#)) [GPL-3.0](#) [PHP](#)
- [phpList](#) - Newsletter and email marketing with advanced management of subscribers, bounces, and plugins. ([Source Code](#)) [AGPL-3.0](#) [PHP](#)
- [Postal](#) - Fully featured open source mail delivery platform for incoming and outgoing e-mail. ([Source Code](#)) [MIT](#) [Ruby](#)
- [Postorius](#) - Web user interface to access GNU Mailman. ([Source Code](#)) [GPL-3.0](#) [Python](#)

- [Schleuder](#) - GPG-enabled mailing list manager with resending-capabilities. ([Source Code](#))  
GPL-3.0 Ruby
- [Sympa](#) - Mailing list manager. GPL-2.0 Perl

## Communication - Email - Webmail Clients

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- [Afterlogic WebMail Lite](#) - Fast and easy-to-use webmail front-end for your existing IMAP mail server, Plesk or cPanel. ([Demo](#), [Source Code](#)) AGPL-3.0 PHP
- [Cypht](#) - Feed reader for your email accounts. ([Source Code](#)) LGPL-2.1 PHP
- [IMP](#) - HORDE application that provides webmail access to IMAP and POP3 accounts. ([Demo](#), [Source Code](#)) GPL-2.0 PHP
- [Isotope Mail](#) - Microservice based webmail client built with ReactJS and Spring. ([Source Code](#)) Apache-2.0 Docker/Java
- [MailCare](#) - Open source disposable email address service. ([Source Code](#)) MIT PHP
- [Mailpile](#) - Webmail client with search, filtering, encryption features and more. ([Source Code](#)) AGPL-3.0 Python
- [RainLoop](#) - Simple, modern and fast webmail with IMAP/SMTP Support and multi accounting. ([Demo](#), [Source Code](#)). AGPL-3.0 PHP
- [Roundcube](#) - Browser-based IMAP client with an application-like user interface. ([Source Code](#)) GPL-3.0 PHP
- [SquirrelMail](#) - Another browser-based IMAP client. ([Source Code](#)) GPL-2.0 PHP

## Communication - IRC

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[IRC](#) communication software

- [Convos](#) - Always online web IRC client. ([Demo](#), [Source Code](#)) Artistic-2.0 Perl
- [Dispatch](#) - Self-hosted web IRC client written in Go. ([Demo](#)) MIT Go
- [Ergo](#) - Modern IRCv3 server written in Go, combining the features of an ircd, a services framework, and a bouncer. ([Source Code](#)) MIT Go
- [Glowing Bear](#) - A web frontend for WeeChat. ([Demo](#)) GPL-3.0 Javascript

- [InspIRCd](#) - Modular IRC server written in C++ for Linux, BSD, Windows, and macOS. ([Source Code](#)) `GPL-1.2-only` `C++`
- [Kiwi IRC](#) - Responsive web IRC client with theming support. ([Demo](#), [Source Code](#)) `Apache-2.0` `Nodejs`
- [ngircd](#) - Free, portable and lightweight Internet Relay Chat server for small or private networks. ([Source Code](#)) `GPL-2.0` `C`
- [Quassel IRC](#) - distributed IRC client, meaning that one (or multiple) client(s) can attach to and detach from a central core. ([Source Code](#)) `GPL-2.0` `C++`
- [Robust IRC](#) - RobustIRC is IRC without netsplits. Distributed IRC server, based on RobustSession protocol. ([Source Code](#)) `BSD-3-Clause` `Go`
- [The Lounge](#) - Self-hosted web IRC client. ([Demo](#), [Source Code](#)) `MIT` `Nodejs`
- [Tiny Tiny IRC](#) - An open source AJAX-powered chat platform with support for IRC ([Source Code](#)). `GPL-3.0` `PHP/Java`
- [UnrealIRCd](#) - Modular, advanced and highly configurable IRC server written in C for Linux, BSD, Windows, and macOS. ([Source Code](#)) `GPL-2.0` `C`
- [Weechat](#) - Fast, light and extensible chat client. `GPL-3.0` `C`
- [ZNC](#) - Advanced IRC bouncer. ([Source Code](#)) `Apache-2.0` `C++`

## Communication - SIP

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[SIP/IPBX](#) telephony software

- [Asterisk](#) - Easy to use but advanced IP PBX system, VoIP gateway and conference server. `GPL-2.0` `C`
- [ASTPP](#) - is an Open Source VoIP Billing Solution for Freeswitch. It supports prepaid and postpaid billing with call rating and credit control. It also provides many other features. ([Source Code](#)) `AGPL-3.0` `PHP`
- [Freepbx](#) - Web-based open source GUI that controls and manages Asterisk. ([Source Code](#)) `GPL-2.0` `PHP`
- [FreeSWITCH](#) - Scalable open source cross-platform telephony platform. ([Source Code](#)) `MPL-2.0` `C`
- [FusionPBX](#) - Open source project that provides a customizable and flexible web interface to the very powerful and highly scalable multi-platform voice switch called FreeSWITCH. ([Source Code](#)) `MPL-1.1` `PHP`
- [Kamailio](#) - Modular SIP server (registrar/proxy/router/etc). ([Source Code](#)) `GPL-2.0` `C`

- [Kazoo](#) - KAZOO is an open-source, highly scalable software platform designed to provide carrier-grade VoIP switch functions and features. ([Source Code](#)) `MPL-1.1` `Erlang`
- [Ostel](#) - Secure SIP telephony setup with ZRTP encryption. `GPL-3.0` `Ruby`
- [Routr](#) - A lightweight sip proxy, location server, and registrar for a reliable and scalable SIP infrastructure. ([Source Code](#)) `MIT` `Javascript`
- [SIP3](#) - VoIP troubleshooting and monitoring platform. ([Demo](#), [Source Code](#)) `Apache-2.0` `Kotlin`
- [SIPCAPTURE Homer](#) - Troubleshooting and monitoring VoIP calls. ([Source Code](#)) `AGPL-3.0` `Angular/C`
- [SipXcom](#) - Open source unified communications system. ([Source Code](#)) `AGPL-3.0` `Java`
- [Wazo](#) - Full-featured IPBX solution built atop Asterisk with integrated Web administration interface and REST-ful API. ([Source Code](#)) `GPL-3.0` `Python`
- [Yeti-Switch](#) - Transit class4 softswitch(SBC) with integrated billing and routing engine and REST API. ([Demo](#), [Source Code](#)) `GPL-2.0` `C++/Ruby`

## Communication - Social Networks and Forums

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- [Abilian SBE](#) - Open Source Collaboration and Social Networking framework and platform. `LGPL-2.1` `Python`
- [Anahita](#) - Open Source Social Networking Framework and Platform. ([Source Code](#)) `GPL-3.0` `PHP`
- [AsmBB](#) - A fast, SQLite-powered forum engine written in ASM. ([Source Code](#)) `EUPL-1.2` `Assembly`
- [bbPress](#) - bbPress is forum software with a twist from the creators of WordPress. Easily setup discussion forums inside your WordPress.org powered site. ([Source Code](#)) `GPL-2.0` `PHP`
- [Bibliogram](#) `△` - An alternative front-end for Instagram. ([Source Code](#)) `AGPL-3.0` `Nodejs`
- [Bootcamp](#) - Enterprise social network. ([Source Code](#)) `MIT` `Python`
- [Buddycloud](#) - Tools, libraries, services and a community to build user-to-user, group and social messaging into your app. Saves time. Scales up. Supports you. ([Source Code](#)) `Apache-2.0` `Java`
- [BuddyPress](#) - Powerful plugin that takes your WordPress.org powered site beyond the blog with social-network features like user profiles, activity streams, user groups, and more. ([Source Code](#)) `GPL-2.0` `PHP`

- [Cactus Comments](#) - Cactus Comments is a federated comment system for the open web built on Matrix. ([Demo](#), [Source Code](#)) `GPL-3.0` `Python`
- [cartulary](#) - RSS reader, readability tool, article archiver, microblogger, social graph manager and reading list manager. `CDDL-1.0` `PHP`
- [Commento](#) - Commento is a discussion platform that you can embed on your blog, news articles, and any place where you want your readers to add comments. `MIT` `Go`
- [Coral](#) - A better commenting experience from Vox Media. ([Source Code](#)) `Apache-2.0` `Nodejs`
- [diaspora\\*](#) - Distributed social networking server. ([Demo](#), [Source Code](#)) `AGPL-3.0` `Ruby`
- [Discourse](#) - Advanced forum / community solution based on Ruby and JS. ([Demo](#), [Source Code](#)) `GPL-2.0` `Ruby`
- [dyu comments](#) - Real-time, markdown-enabled comment engine powered by leveldb. ([Demo](#)) `Apache-2.0` `Java`
- [Elgg](#) - Powerful open source social networking engine. ([Source Code](#)) `GPL-2.0` `PHP`
- [EpochTalk](#) - Next Generation Forum Software. `MIT` `Nodejs`
- [Flarum](#) - Delightfully simple forums. Flarum is the next-generation forum software that makes online discussion fun again. ([Source Code](#)) `MIT` `PHP`
- [FlaskBB](#) - FlaskBB is forum software written in Python using the microframework Flask. You can easily create new topics, posts and send other users private messages. It also includes basic administration and moderation tools. ([Source Code](#)) `BSD-3-Clause` `Python`
- [FluxBB](#) - Fast, light, user-friendly forum software for your website. ([Source Code](#)) `GPL-2.0` `PHP`
- [Friendica](#) - Social Communication Server. ([Source Code](#)) `AGPL-3.0` `PHP`
- [Glosa](#) - Open source commentary system easy to integrate with static pages. You can import from Disqus. `GPL-3.0` `Java`
- [GNU social](#) - Social communication software for both public and private communications. ([Source Code](#)) `AGPL-3.0` `PHP`
- [Gosora](#) - Gosora is an ultra-fast and secure forum software written in Go that balances usability with functionality. ([Source Code](#)) `GPL-3.0` `Go`
- [Hubzilla](#) - Decentralized identity, privacy, publishing, sharing, cloud storage, and communications/social platform. ([Source Code](#)) `MIT` `PHP`
- [HumHub](#) - Flexible kit for private social networks. ([Source Code](#)) `AGPL-3.0` `PHP`
- [Ippo](#) - Lightweight commenting server written in Python and Javascript. It aims to be a drop-in replacement for Disqus. ([Source Code](#)) `MIT` `Python`

- [Lemmy](#) - A link aggregator / reddit clone for the fediverse. Reddit alternative built in Rust. ([Source Code](#)) `AGPL-3.0` `Rust`
- [Libreddit](#) <sup>△</sup> - Private front-end for Reddit written in Rust. ([Source Code](#)) `AGPL-3.0` `Rust`
- [Loomio](#) - Loomio is a collaborative decision-making tool that makes it easy for anyone to participate in decisions which affect them. ([Source Code](#)) `AGPL-3.0` `Ruby`
- [Mastodon](#) - Federated microblogging server, an alternative to GNU social. ([Source Code](#)) `AGPL-3.0` `Ruby`
- [Misago](#) - Misago is fully featured modern forum application that is fast, scalable and responsive. ([Source Code](#)) `GPL-2.0` `Python`
- [Misskey](#) - Decentralized app-like microblogging server/SNS for the Fediverse, using the ActivityPub protocol like GNU social and Mastodon. ([Source Code](#)) `AGPL-3.0` `Nodejs`
- [Movim](#) - Modern, federated social network based on XMPP, with a fully featured group-chat, subscriptions and microblogging. ([Source Code](#)) `AGPL-3.0` `PHP`
- [MyBB](#) - Free, extensible forum software package. ([Source Code](#)) `LGPL-3.0` `PHP`
- [Nitter](#) <sup>△</sup> - A alternative front end to twitter. ([Source Code](#)) `AGPL-3.0` `Nimble`
- [NodeBB](#) - Forum software built for the modern web. ([Source Code](#)) `GPL-3.0` `Nodejs`
- [Orange Forum](#) - Orange Forum is an easy to deploy forum that has minimal dependencies and uses very little javascript. ([Source Code](#)) `BSD-3-Clause` `Go`
- [OSSN](#) - Open Source Social Network (OSSN) is a social networking software written in PHP. It allows you to make a social networking website and helps your members build social relationships, with people who share similar professional or personal interests. ([Source Code](#)) `GPL-2.0` `PHP`
- [phpBB](#) - Flat-forum bulletin board software solution that can be used to stay in touch with a group of people or can power your entire website. ([Source Code](#)) `GPL-2.0` `PHP`
- [PixelFed](#) - Pixelfed is an open-source, federated platform alternate to Instagram. ([Source Code](#)) `AGPL-3.0` `PHP`
- [Pleroma](#) - Federated microblogging server, Mastodon, GNU social, & ActivityPub compatible. ([Source Code](#)) `AGPL-3.0` `Elixir`
- [Pump.io](#) - Stream server that does most of what people really want from a social network. ([Source Code](#)) `Apache-2.0` `Nodejs`
- [remark42](#) - A lightweight and simple comment engine, which doesn't spy on users. It can be embedded into blogs, articles or any other place where readers add comments. ([Demo](#), [Source Code](#)) `MIT` `Go`
- [rss2twtxt](#) - An RSS/Atom feed aggregator command-line tool and web service that consumes RSS/Atom and produces twtxt.net feeds for consumption by twtxt clients. (

[Demo](#)) MIT Go

- [Satellity](#) - Yet another open source forum written in Golang, React and PostgreSQL. ([Source Code](#)) MIT Go
- [Scoold](#) - Stack Overflow in a JAR. An enterprise-ready Q&A platform with full-text search, SAML, LDAP integration and social login support. ([Demo](#), [Source Code](#)) Apache-2.0 Java
- [Simple Machines Forum](#) - Free, professional grade software package that allows you to set up your own online community within minutes. ([Source Code](#)) BSD-3-Clause PHP
- [Socialhome](#) - Federated and decentralized profile builder and social network engine. ([Demo](#), [Source Code](#)) AGPL-3.0 Python
- [Talkyard](#) - Create a community, where your users can suggest ideas and get questions answered. And have friendly open-ended discussions and chat (Slack/StackOverflow/Discourse/Reddit/Disqus hybrid). ([Demo](#), [Source Code](#)) AGPL-3.0 Scala
- [Teddit](#) <sup>△</sup> - Alternative Reddit front-end focused on privacy. ([Source Code](#)) AGPL-3.0 Nodejs
- [Thredded](#) - Forums, feature-rich and simple. MIT Ruby
- [Tokumei](#) - Anonymous microblogging platform. ([Source Code](#)) ISC rc
- [twister](#) - Fully decentralized P2P microblogging platform leveraging the free software implementations of Bitcoin and BitTorrent protocols. ([Source Code](#)) MIT C++
- [twtxt.net](#) - a Self-Hosted, Twitter™-like Decentralised micro-logging platform. No ads, no tracking, your content, your data. ([Source Code](#)) MIT Go
- [Vanilla Forums](#) - Simple and flexible forum software. ([Source Code](#)) GPL-2.0 PHP
- [Zusam](#) - Free and open-source way to self-host private forums for groups of friends or family. ([Demo](#), [Source Code](#)) AGPL-3.0 PHP

## Communication - XMPP

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[Extensible Messaging and Presence Protocol](#) software

## Communication - XMPP - Servers

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- [ejabberd](#) - XMPP instant messaging server. ([Source Code](#)) GPL-2.0 Erlang

- [jackal](#) - XMPP server with focus on stability, simple configuration and low resource consumption. [Apache-2.0](#) [Go](#)
- [Kontalk](#) - Kontalk is an Open Source Messenger, similar to WhatsApp (app for android only currently), including end-to-end encryption, server is based on Tigase XMPP Server. ([Source Code](#)) [GPL-3.0](#) [Java](#)
- [Metronome IM](#) - Fork of Prosody IM. ([Source Code](#)) [MIT](#) [Lua](#)
- [MongooseIM](#) - Mobile messaging platform with a focus on performance and scalability. ([Source Code](#)) [GPL-2.0](#) [Erlang](#)
- [Openfire](#) - Real time collaboration (RTC) server. ([Source Code](#)) [Apache-2.0](#) [Java](#)
- [Prosody IM](#) - Feature-rich and easy to configure XMPP server. ([Source Code](#)) [MIT](#) [Lua](#)
- [Snikket](#) - All-in-one Dockerized easy XMPP solution, including web admin and clients. ([Source Code](#), [Clients](#)) [Apache-2.0](#) [Lua/Python](#)
- [Tigase](#) - XMPP server implementation in Java. [GPL-3.0](#) [Java](#)

## Communication - XMPP - Web Clients

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- [Candy](#) - Multi user XMPP client written in Javascript. ([Source Code](#)) [MIT](#) [Javascript](#)
- [Converse.js](#) - Free and open-source XMPP chat client in your browser. ([Source Code](#)) [MPL-2.0](#) [Javascript](#)
- [JSXC](#) - Real-time XMPP web chat application with video calls, file transfer and encrypted communication. There are also versions for Nextcloud/Owncloud and SOGo. ([Source Code](#)) [MIT](#) [Javascript](#)
- [Libervia](#) - Web frontend from Salut à Toi. ([Source Code](#)) [AGPL-3.0](#) [Python](#)
- [Salut à Toi](#) - Multipurpose, multi frontend, libre and decentralized communication tool. ([Source Code](#)) [AGPL-3.0](#) [Python](#)

## Community-Supported Agriculture (CSA)

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Management and administration tools for community supported agriculture and food cooperatives

Related: [E-commerce](#)

- [ACP Admin](#) - CSA administration. Manage members, subscriptions, deliveries, drop-off locations, member participation, invoices and emails. ([Source Code](#)) [MIT](#) [Ruby](#)
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