

# RESISTANT INFRA

This listing is part of the TRANSNATIONAL ANTI-COLONIAL TRANS★FEMINIST COUNTER CLOUD ACTION DAY. On 8th of March 2024, we call for a Counter Cloud Action Day -- a permanent ceasefire in Palestine and for an end to the genocide facilitated by the Israeli government's military-technological complex. <https://digitaldiscomfort.run/8m/>

These apps and platforms are listed here because they might be alternatives to services provided by companies complicit in the genocide in Palestine. Often they are more secure, many of them also make a difference to the logics of hyperscaling, data extraction and everything-as-a-service of The Cloud, by proposing collective modes of maintenance, hosting and software licensing. Some are “green” as described here: <https://www.thegreenwebfoundation.org/>. List updated from Digital Solidarity Networks: *“This is the start of a listing of resources regarding mutual aid strategies, propositions for future setups and social closeness through ‘alternative’ digital infrastructures. This pad contains examples of collective digital reparative practices, in a time where everything points to the further consolidation and accelerated normalization of the Big Tech industry (Zoom, Facebook, Slack, Microsoft Teams, Skype, etc.), a.k.a. GMAFIAZ. Other attitudes are possible!”* <https://etherdump.vvvvvvvaria.org/publish/digital-solidarity-networks.raw.html>

This list can be updated. If you think important information is missing or outdated, please reach out to this mailing list <https://we.lurk.org/mailman3/lists/infraresistance.we.lurk.org/>.

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# Hosted counter-cloud software, ready to use


## Multi-service

-  Lurk (small scale) - <https://lurk.org/> - discussion lists, xmpp chat, microblogging, wiki, mastodon
-  Framasoft (medium scale) - <https://framasoftware.fr/en/> - pads, forms, collective decision making, agenda, slides, chat, video-calling, maps, microblogging, notes, mindmaps, calculators, etc.
-  Chatons - distributed Framasoft - <https://entraide.chatons.org/en/> The Chatons network decided to make a page offering the same services as Framasoft, but distributed over the different Chatons servers. Every time you load this page, other servers are proposed.
-  Riseup - <https://riseup.net/> - email, chat, VPN, mailing lists, etherpads
-  Autistici/Inventati - <https://www.autistici.org/> - you can read about the backgrounds of the project in a nice publication made in the 20-year occasion:
-  Systemli - <https://www.systemli.org/> - xmpp chat, email, etherpad, web hosting, ticker
-  disroot - <https://www.disroot.org/> - xmpp, jitsi, etherpad, taiga, email, diaspora, nextcloud
-  Aktivix <https://aktivix.org/> - email
-  Nubo - <https://nubo.coop/> - email, cloud storage, agenda. Subscription-based cooperative available in Belgium.








## App catalogue

-  F-Droid - <https://f-droid.org/>

## Video chat

 Jitsi - “One of the most important Jitsi features is privacy. Jitsi uses hop-by-hop encryption to protect your video conference. Hop-by-hop encryption means each stage of the video call is encrypted in part. Your video call to the server carries encryption. The server decrypts the video call, then re-encrypts it and forwards it to the video participants. Hop-by-hop encryption isn’t perfect, by any means. It means that the server owner could eavesdrop on your conversation if they wish. The way around this is to host a Jitsi Meet server for total privacy. Of course, that isn’t possible for everyone. However, there are no indications that Jitsi’s owners, 8x8, are eavesdropping on private video conversations.”

 instances where Jitsi is hosted:

-  mayfirst: <https://meet.mayfirst.org/>
-  autistici inventati: <https://vc.autistici.org/> (green)
-  systemli: <https://meet.systemli.org/>
-  disroot: <https://calls.disroot.org/> (green)
-  guifi net: <https://meet.guifi.net/>
-  waag: <https://meet.waag.org/> (green)
-  Domaine Public: <http://conf.domainepublic.net/>

- vc4all: <https://beeldbellen.vc4all.nl/> (green)
- Hangar: <https://jitsi.hangar.org/> (green)
- greenhost.net: <https://meet.greenhost.net/> (green)
- more: <https://framataalk.org/accueil/en/info/> + many many more (with annotations!): <https://github.com/jitsi/jitsi-meet/wiki/Jitsi-Meet-Instances>
- Big Blue Button: \* “to provide communications privacy for datagram protocols the media packets are encrypted using the Secure Real-Time Protocol” [https://en.wikipedia.org/wiki/Secure\\_Real-time\\_Transport\\_Protocol](https://en.wikipedia.org/wiki/Secure_Real-time_Transport_Protocol) \* Modest version available on <https://bbb.faimaison.net/b> - Faimaison indicates that their server can handle conversations from 2 to 10 people. \* The Onling Meeting Cooperative: <https://www.org.meet.coop> (demo @ <https://demo.meet.coop>) \* <https://www.fairkom.eu/fairteaching> \* <https://talk.domainepublic.net> \* <https://bigbluebutton.org> - to install on your own server, their version is not a good demo
- Chatb - <https://chatb.org> - by people behind hostb.org, source code: <https://r-w-x.org/r/chatb>

## Audio chat

- Mumble
  - Disroot - <https://mumble.disroot.org/> (green)
  - Espora - <https://mumble.espora.org/>
  - Mayfirst - <https://support.mayfirst.org/wiki/mumble>

## Text chat

- IRC
  - Freenode IRC - <http://freenode.net/> (server IRC), accessible via the web interface: <https://webchat.freenode.net/>
  - Signal
    - “State-of-the-art end-to-end encryption (powered by the open source Signal Protocol) keeps your conversations secure. We can’t read your messages or listen to your calls, and no one else can either.” <https://support.signal.org/hc/en-us/categories/360000674811-Security>
    - <https://signal.org/> (not open source)

## Collaborative writing

- Cryptpad - “All data on CryptPad is encrypted in the browser. This means no readable data leaves the user’s device. Even the service administrators cannot see the content of documents or user data.” <https://cryptpad.org/about/#e2ee>
  - Cryptpad main instance, France - <https://cryptpad.fr>
  - Cryptpad instance hosted by NoLog.cz activist IT collective in Prague <https://cryptpad.cz/>
- Etherpad - “Etherpad is a tool for public collaboration. By default all pads are open to general users of the Internet. As such, it is not advisable to use this tool for information that you do not want to be in the public domain.” <https://archive.flossmanuals.net/etherpad/etherpad-security-and-privacy.html>
  - examples of instances:

 Riseup - <https://pad.riseup.net/>


 FramaPad - <https://framapad.org/fr/>



 many others! <https://github.com/ether/etherpad-lite/wiki/Sites-That-Run-Etherpad>

 CodiMD

 CodiMD - <https://demo.codimd.org/>

 Textb - <https://textb.org>, from people behind hostb.org, source code: <https://r-w-x.org/r/textb>

## Automated translation

 Libre Translate - <https://libretranslate.com/>

 Firefox Translations - <https://addons.mozilla.org/en-US/firefox/addon/firefox-translations/>


 TranslateLocally - <https://addons.mozilla.org/en-US/firefox/addon/translate-locally-for-firefox/>

## Collaborative Drawing

 Excalidraw - <https://excalidraw.com/>

 WBO - <https://wbo.ophir.dev/>

## Collaborative music

 Jamulus - <https://jamulus.io/> - playing, rehearsing, or just jamming

## Streaming

 <https://live.autistici.org/> (<https://www.autistici.org/docs/>) *open to use, needs a client that accepts rtmp*

 <https://echo.lurk.org> *contact lurk for streaming*

 <https://cytu.be/> *seems complex*

## Streaming Clients

 BUTT (for Desktop) - <https://danielnoethen.de/butt/>

 Cool Mic (for Android) - <https://f-droid.org/en/packages/cc.echonet.coolmicapp/>

 Icefall (for iPhone) - <https://apps.apple.com/us/app/icefall-icecast-stream-client/id1512089290>

## File sharing

 Riseup - <https://share.riseup.net/>


 hostb - <https://hostb.org/>, source code: <https://r-w-x.org/r/hostb>, [https://r-w-x.org/r/hostb\\_client](https://r-w-x.org/r/hostb_client)

*dates and password, but it could still be used*

## **Code collaboration**

 radicle - <https://radicle.xyz/> - a decentralized app for code collaboration (p2p), beta

## **Payment systems**

 palpay: <https://palpay.ps/> \* palestinian paypal alternative, arabic site not sure how it operates and if people outside of palestine can use it

## **Website making**

 Hotglue - <https://hotglue.me/>

# Counter-cloud apps, needs installation or hosting

## Video chat/voice chat

- Jitsi - <https://jitsi.org/>
- Mumble - <https://www.mumble.com/mumble-download.php>
- Apache Open Meetings - <https://openmeetings.apache.org/>
- unhangout - <https://unhangout.media.mit.edu/about/>

## Streaming

- Icecast (audio/video streaming server) - <https://icecast.org/>
- Icecast how-to's notes [https://things.bleu255.com/runyourown/Streaming\\_Service\\_with\\_Icecast](https://things.bleu255.com/runyourown/Streaming_Service_with_Icecast) and [https://pad.vvvvvvvaria.org/icecast\\_streaming\\_instructions](https://pad.vvvvvvvaria.org/icecast_streaming_instructions)
- Open Broadcaster Software (OBS) - <https://obsproject.com/> (very META) (*OBS streams also videos and more sources, supported by youtube*) + use <https://joinpeertube.org/> to stream
- VideoLAN streaming solution - <https://www.videolan.org/vlc/streaming.html>, [https://wiki.videolan.org/Documentation:Streaming\\_HowTo](https://wiki.videolan.org/Documentation:Streaming_HowTo), <https://www.wikihow.com/Use-VLC-to-Stream-Audio-and-Video-to-Multiple-Computers-on-Your-Network-Using-Multicast>
- Gstreamer - <https://directory.fsf.org/wiki/Gstreamer> *it seems a bit complex*
- CyTube - <https://github.com/calzoneman/sync>
- Studiolink - (*german docs*) High Quality audio stream integration - <https://studio-link.de/>

## Chat

- XMPP/Jabber
  - server software: <https://prosody.im/>, <https://www.ejabberd.im/>
  - clients: <https://xmpp.org/software/clients.html>
    - Conversations (Android) (!) - <https://conversations.im/> (also available in f-droid!)
    - Dino (Linux Desktop) - <https://dino.im/>
    - Gajim (Windows, Linux, Mac) - <https://gajim.org/>
    - Chatsecure (iOS), Siskin (iOS), Monal (iOS)
    - ConverseJS (web-client) - <https://conversejs.org/>, installed at different places:
      - <https://conversejs.org/fullscreen.html>
    - > further reading: <https://homebrewserver.club/category/instant-messaging.html>
    - > XMPP bots: <https://git.vvvvvvvaria.org/explore/repos?q=bots&topic=1>
- IRC
  - server software listing: [https://en.wikipedia.org/wiki/Comparison\\_of\\_Internet\\_Relay\\_Chat\\_daemons](https://en.wikipedia.org/wiki/Comparison_of_Internet_Relay_Chat_daemons)
  - IRC client listing - [https://en.wikipedia.org/wiki/Comparison\\_of\\_Internet\\_Relay\\_Chat\\_clients](https://en.wikipedia.org/wiki/Comparison_of_Internet_Relay_Chat_clients)
    - kiwi-irc (web-client) - <https://webchat.freenode.net/?#varia>
    - weechat (command line) - <https://weechat.org/>

## Game development

- Twine - <http://twinery.org/>
- Ren'Py - <https://www.renpy.org/>
- Bitsy - <http://ledoux.io/bitsy/editor.html>
- Fabularium (app) - <https://fossdroid.com/a/fabularium.html> + more links: <http://everest-pipkin.com/teaching/tools.html>
- Godot - <https://godotengine.org/>

## Library software

- Biblioteca - <https://bibliotecha.info/>
- Calibre - <https://calibre-ebook.com/>

## File sharing

- OnionShare - <https://onionshare.org/>

## Secure browsing

- Tor Browser - <https://www.torproject.org/download/>



# Alternative social networks

## Welcome to the Fediverse

 <https://fediverse.party/>

## Microblogging

-  Mastodon - <https://mastodon.social/about> // <https://instances.social/>
-  Pleroma - <https://pleroma.social/> // <https://fediverse.party/en/pleroma>
-  Misskey - <https://join.misskey.page/en/> // <https://fediverse.party/en/misskey>

## Macroblogging

-  Socialhome - <https://socialhome.network/> // <https://fediverse.party/en/socialhome>
-  Hubzilla - <https://zotlabs.org/page/hubzilla/hubzilla-project> // <https://fediverse.party/en/hubzilla>
-  Diaspora - <https://diasporafoundation.org/> // <https://fediverse.party/en/diaspora>
-  NoblogS - <https://noblogs.org>

# Activist organising

## Social media

- Crabgrass - <https://Oxacab.org/riseuplabs/crabgrass>
- Used for example by riseup <https://we.riseup.net/>

## Event organising software

- Mobilizon - <https://mobilizon.org/> + <https://joinmobilizon.org/en/>

## Date picking

- Nuages - <https://nuages.domainepublic.net/>

## Collective decision making and discussion

- Community Rule - <https://communityrule.info/>

## Collective finances

- Open Collective - <https://opencollective.com/>

## Decision making tools

- Loomio - <https://www.loomio.com/>
- Decidim - <https://www.loomio.com/>
- Adhocracy+ - <https://adhocracy.plus/>

## Petition tools

- Framasoft Forms - <https://framaforms.org/abc/en/> (not exactly for petitions, but can be tweaked for it)

## Purposefully not included

### Matrix

*"In the middle of the ongoing war with the Hamas terror group, Israeli information technology provider Matrix IT Ltd. is looking to hire 700 people. The Herzliya-based company is looking to fill vacancies in a number of tech-related areas including digital solutions, big data, machine learning, cloud software, IoT, cybertechnology, and augmented reality."*

*"During these days many organizations are looking for technological solutions to the challenges created as a result of the national emergency and the fighting [with the Hamas terror group], that can help in a variety of areas such as: business continuity, information security and data protection, backup and recovery from disaster, cloud solutions, data, and digital transformation," said Hila Tal, vice president of human resources at Matrix IT. "Matrix is also involved and integrated in projects in the field of cyber and in the field of security and defense, areas in which there is greater demand for experts."*

*\*<https://samba.noblogs.org/matrix-org-a-federated-app-funded-by-a-mossad-company/>*

### Doodle

*"In 2016, Doodle acquired Meekan, a chatbot developed in Israel that used artificial intelligence and natural language processing to schedule meetings. Doodle has since begun to integrate this technology into their products. Meekan subsequently shut down in 2019. In 2022, the company tried to rebrand itself."*

### Protonmail

*"On a related note, we have also had people ask us about Proton Mail's official position regarding the ongoing Palestinian-Israeli conflict and whether working with an Israeli company means we are taking sides in this conflict. The answer is NO. As a Swiss company, we adhere to a policy of strict neutrality. The only position we take is that security and privacy are fundamental human rights which should be guaranteed for all." <https://proton.me/support/protonmail-israel-radware>*

### Open Streaming Platform

*\*"The content in demo is war video games"*

### Element

*"Lead by creators of Martix (see above)."*

### Metastream








*"Anonymous usage information is sent to Google Analytics if the user chooses to opt-in." <https://getmetastream.com/https://getmetastream.com/privacy-policy.html>*

## Related lists








- ☰ open sustainable technology list <https://github.com/prototypes/open-sustainable-technology>
- ☰ A collection of open-source tools, apps and services recommended by Tactical Technology <https://myshadow.org/resources>
- ☰ Collaborative Tool Inventory [https://pad.puscii.nl/p/collaborative\\_tool\\_inventory](https://pad.puscii.nl/p/collaborative_tool_inventory)
- ☰ Sharing is Caring <https://wiki.mur.at/SharingIsCaring> the hands-on infowiki provided by mur.at (in German)
- ☰ LibrePlanet Remote Communication [https://libreplanet.org/wiki/Remote\\_Communication](https://libreplanet.org/wiki/Remote_Communication)
- ☰ Servers: From autonomous servers to feminist servers [https://gendersec.tacticaltech.org/wiki/index.php/Servers:\\_From\\_autonomous\\_servers\\_to\\_feminist\\_servers](https://gendersec.tacticaltech.org/wiki/index.php/Servers:_From_autonomous_servers_to_feminist_servers)
- ☰ Remote Communication [https://libreplanet.org/wiki/Remote\\_Communication](https://libreplanet.org/wiki/Remote_Communication)
- ☰ Switching Software <https://switching.software/>
- ☰ Ethical Net <https://ethical.net/resources/>
- ☰ A DIY Guide to Feminist Cybersecurity <https://hackblossom.org/cybersecurity/>
- ☰ Gendersec curricula <https://en.gendersec.train.tacticaltech.org/>
- ☰ Switching.software <https://switching.software/>
- ☰ Tiny Tools directory <https://tinytools.directory/>
- ☰ Privacy Not Included <https://foundation.mozilla.org/en/privacynotincluded/>
- ☰ KAOS Glossary - <https://networkcultures.org/wp-content/uploads/2017/04/kaos.pdf#page=124> - Email, xmpp, noblogs, vpn, jitsi

# OTHER INFRA-RESISTANCE RESOURCES

## Big Tech Military tech

-  The Gospel: How Israel uses AI to select bombing targets in Gaza <https://www.theguardian.com/world/2023/dec/01/the-gospel-how-israel-uses-ai-to-select-bombing-targets>
-  Big Tech Sells War <https://bigtechsellswar.com/>
-  Israel's AI-Aided Bomb Targeting Creates Massacre 'Factory' in Gaza <https://www.commondreams.org/news/gaza-civilian-casualties-2666414736>
-  Israel and the cyber technology market <https://longreads.tni.org/stateofpower/israel-the-model-coercive-state>
-  The Palestine Laboratory: How Israel Exports the Technology of Occupation Around the World (Antony Loewenstein) <https://www.versobooks.com/en-gb/products/2684-the-palestine-laboratory>
-  Communications and Empire Around Palestine (ShinJoung Yeo and Dan Schiller) <https://informationobservatory.info/2023/11/27/communications-and-empire-around-palestine/>
-  Israel and Occupied Palestinian Territories: Automated Apartheid: How facial recognition fragments, segregates and controls Palestinians in the OPT <https://www.amnesty.org/en/documents/mde15/6701/2023/en/>

## Boycott Big Tech

-  Tech Workers Coalition: No Tech for Apartheid <https://techworkerscoalition.org/no-tech-for-apartheid/>
-  No Tech For Apartheid <https://www.notechforapartheid.com/>
-  Reflections, links on No Tech for Apartheid event (November 2023) <https://www.dair-institute.org/blog/NoTechForApartheid/>
-  Migrate from WIX <https://multitudescoop.notion.site/Wix-migration-guides-ff4e6c299c544edbbb04fe9171169051>
-  Meta should stop profiting from hate <https://pipas.agency/nonsta/7amleh/>
-  Boycott Zionism (interface to BDS campaigns, includes alternatives) <https://www.boycotzionism.com/>
-  BDS on Big Tech <https://bdsmovement.net/Act-Now-Against-These-Companies-Profiting-From-Genocide>

## Counter Cloud Action

-  <https://titipi.org/8m>
-  Frequently Asked Questions about Trans\*Feminist Counter Cloud Action <https://titipi.org/pub/FAQ.pdf>
-  <https://pad.constantvzw.org/p/titipi.stickers>

- ☞ Google Removes App That Helps People Boycott Pro-Israel Companies <https://www.newsweek.com/google-removes-app-boycott-pro-israel-companies-1848904>
- ☞ The Information War in Gaza [https://www.techwontsave.us/episode/194\\_the\\_information\\_war\\_in\\_gaza\\_w\\_marwa\\_fatafta](https://www.techwontsave.us/episode/194_the_information_war_in_gaza_w_marwa_fatafta)
- ☞ Are Social Media Censoring Pro-Palestine voices <https://www.aljazeera.com/features/2023/10/24/shadowbanning-are-social-media-giants-censoring-pro-palestine-voices>
- ☞ Eventbrite <https://twitter.com/AshAgony/status/1721386958868427009>
- ☞ What a cat in a keffiyeh reveals about AI's anti-Palestinian bias <https://www.972mag.com/ai-bias-palestinian-cat-keffiyeh/>
- ☞ Myanmar: Facebook's systems promoted violence against Rohingya; Meta owes reparations <https://www.amnesty.org/en/latest/news/2022/09/myanmar-facebooks-systems-promoted-violence-against-rohingya-meta-owes-reparations-new-report/>
- ☞ Facebook knew it was being used to incite violence in Ethiopia. It did little to stop the spread, documents show <https://edition.cnn.com/2021/10/25/business/ethiopia-violence-facebook-papers-cmd-intl/index.html>
- ☞ Apple and Google named in US lawsuit over Congolese child cobalt mining deaths <https://www.theguardian.com/global-development/2019/dec/16/apple-and-google-named-in-us-lawsuit-over-congolese-child-cobalt-mining-deaths>
- ☞ No Tech For Apartheid <https://www.notechforapartheid.com/>