

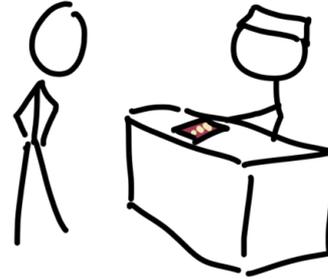


Keyoxide

verifying online identity
with cryptography

by: Yarmo Mackenbach, lead Keyoxide developer

TRADITIONAL PASSPORTS



IDENTITY FOR THE INTERNET?

Secure: protect against impersonation

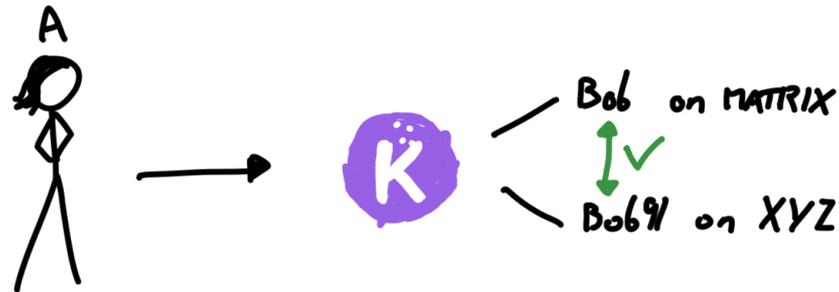
Anonymous: separate online identity from IRL

Self-sovereign: issue your own passport

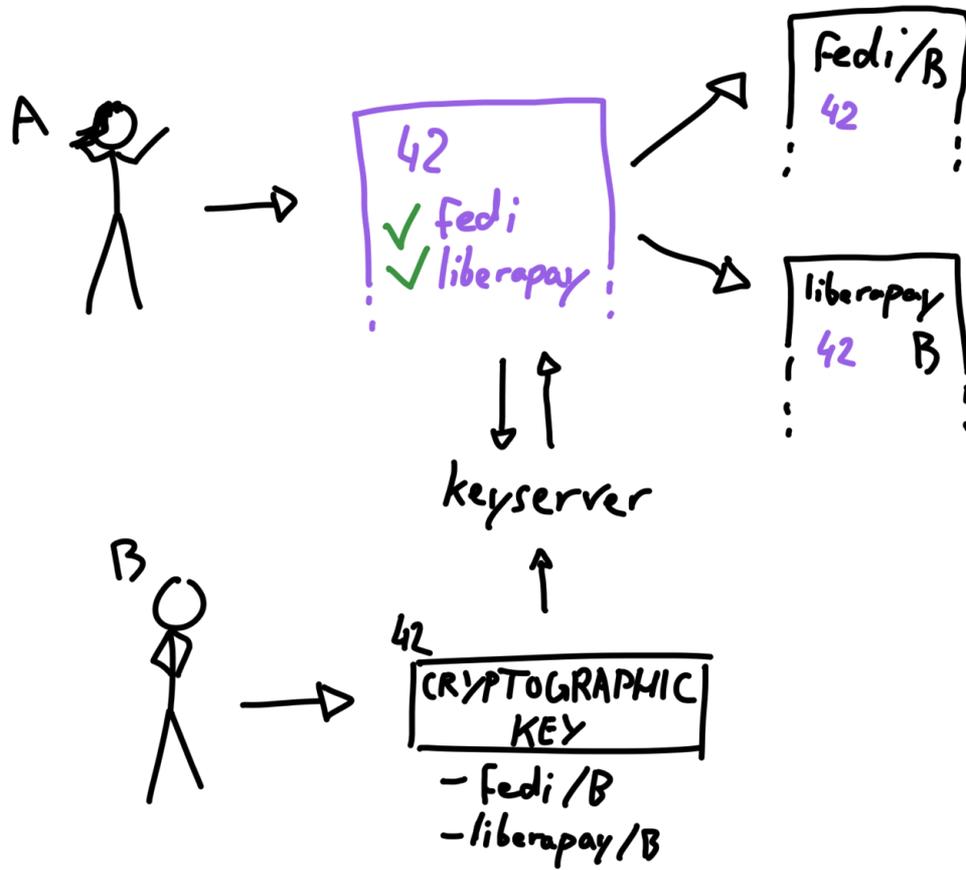
Decentralized: don't involve gatekeepers, middlemen

Represents **what you do**, not *where you were born*

WHY DO WE NEED ONLINE IDENTITY?



INTRODUCING KEYOXIDE



KEYOXIDE.ORG



HOME DOCS BLOG



Yarmo Mackenbach

ENCRYPT MESSAGE

VERIFY SIGNATURE

42 →

Key

hkp
9f0048ac0b23301e1f77e994909f6bd6f80f485d

yarmo@yarmo.eu **primary**

discourse
yarmom@community.home-assistant.io



activitypub
yarmo@fosstodon.org



activitypub
yarmo@pixelfed.social



owncast
yarmo.live



devto
yarmo



DNS
yarmo.eu



gitea
yarmo@codeberg.org

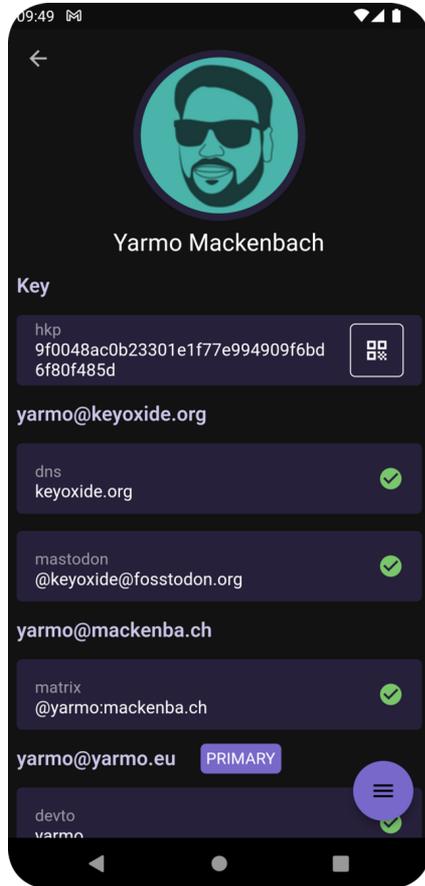


github
YarmoM



← fed!

KEYOXIDE ON MOBILE



Available on f-droid
Profile/identity verification

Work in progress:

- Profile creation
- iOS release
- Play Store release

Developed by Berker

WHAT'S NEXT?

- Signature profiles (OpenPGP, minisign, ssh...)
- Apps to create profiles
- Translations
- Support verification on more services/websites
- More diverse clients
- Explore use cases of online identity

PRs welcome :)

TOY AROUND WITH KEYOXIDE



The screenshot shows a web browser displaying the profile page for 'keyoxide-blue'. The page has a blue header with the name 'keyoxide-blue' and a light blue navigation bar with links for 'HOME' and 'SOURCE CODE'. Below the navigation bar, the 'Profile' section is visible, featuring a checked box for 'Key details'. The profile lists two identities: 'Yarmo Mackenbach <yarmo@yarmo.eu>' and 'Yarmo Mackenbach <yarmo@keyoxide.org>'. Each identity has a list of associated services, each preceded by a green checkmark. The first identity lists 17 services including irc, gitea, xmpp, devto, discourse, hackernews, dns, activitypub, reddit, twitter, lobsters, social, gitlab, github, and owncast. The second identity lists two services: activitypub and dns. Below the profile, there is a section titled 'What is Keyoxide?' which explains that Keyoxide is a decentralized platform for online identity verification based on the Ariadne Identity specification. It also includes sections for 'How do I find a profile?' and 'How do I create my own profile?'. The 'How do I find a profile?' section explains that to find someone's profile, you need their key's fingerprint (a long alphanumeric string) or their email address, which you would enter in the search field above and press enter. The 'How do I create my own profile?' section begins with the text 'The following steps are a good way to create a profile. but it's only a wav. Read up on the'.

<https://keyoxide.blue>

- Client-side logic
- Built in an afternoon

ONLINE IDENTITY USE CASE: CV?

FOSDEM'23

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Free Culture CV: an open source idea to show the community your contributions

Free Culture CV: an open source idea to show the community your contributions

A Track: [Community devroom](#)
Room: [UB5.132](#)
Day: [Sunday](#)
Start: [11:25](#)
End: [11:55](#)
Video only: [ub5132](#)
Chat: [join the conversation!](#)



We do not have a common way to show all our contributions to the free culture community as a resumé. If you are a developer, you can show your Github/Gitlab profile; if you are a Wikimedia project editor, you can show your Wikimedia profile; and if you contribute to OpenStreetMaps, you can show your profile, but why not collect all those contributions in a Free Culture CV?

We will analyze several communities' state of the art of personal contribution metrics and propose/discuss the main technical (features, implementation, format) and ethical (data fields, data privacy) ideas to get an autogenerated Free Culture CV. This Free Culture CV will be useful for recruiters that want to know better their candidates, where and how much contributions they provided to Free Culture.

Speakers

Presented by **Pablo Hinojosa Nava**

https://fosdem.org/2023/schedule/event/free_culture_cv_show_community_contributions/

THANKS

Awesome people: Wiktor, Berker, contributors

Funding: NLnet/NGIO

Reach out:

Matrix: #keyoxide:matrix.org

IRC: #keyoxide on libera.chat

Source code: <https://codeberg.org/keyoxide>