https://matrix.org

What is Matrix?

“Matrix is an open standard for interoperable, decentralised, real-time communication over IP.”

What is Matrix?

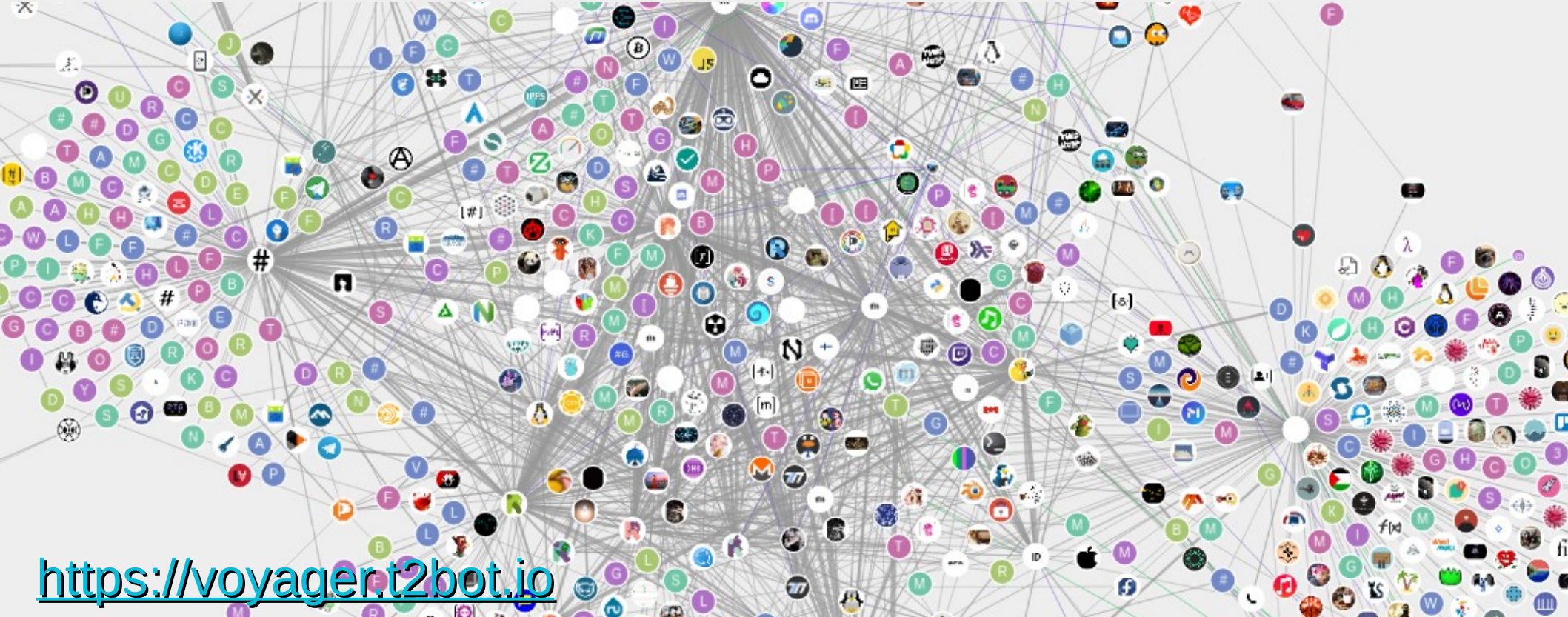
“[…] at its core Matrix can be thought of as an eventually consistent global JSON db with an HTTP API and pubsub semantics”

What is Matrix?

- Federated
- HTTP(S) / JSON
  - CoAP / CBOR (Noise / Flare / UDP) @ <100bps (~2m for an ethernet frame)
- History-heavy
- E2EE
- WebRTC

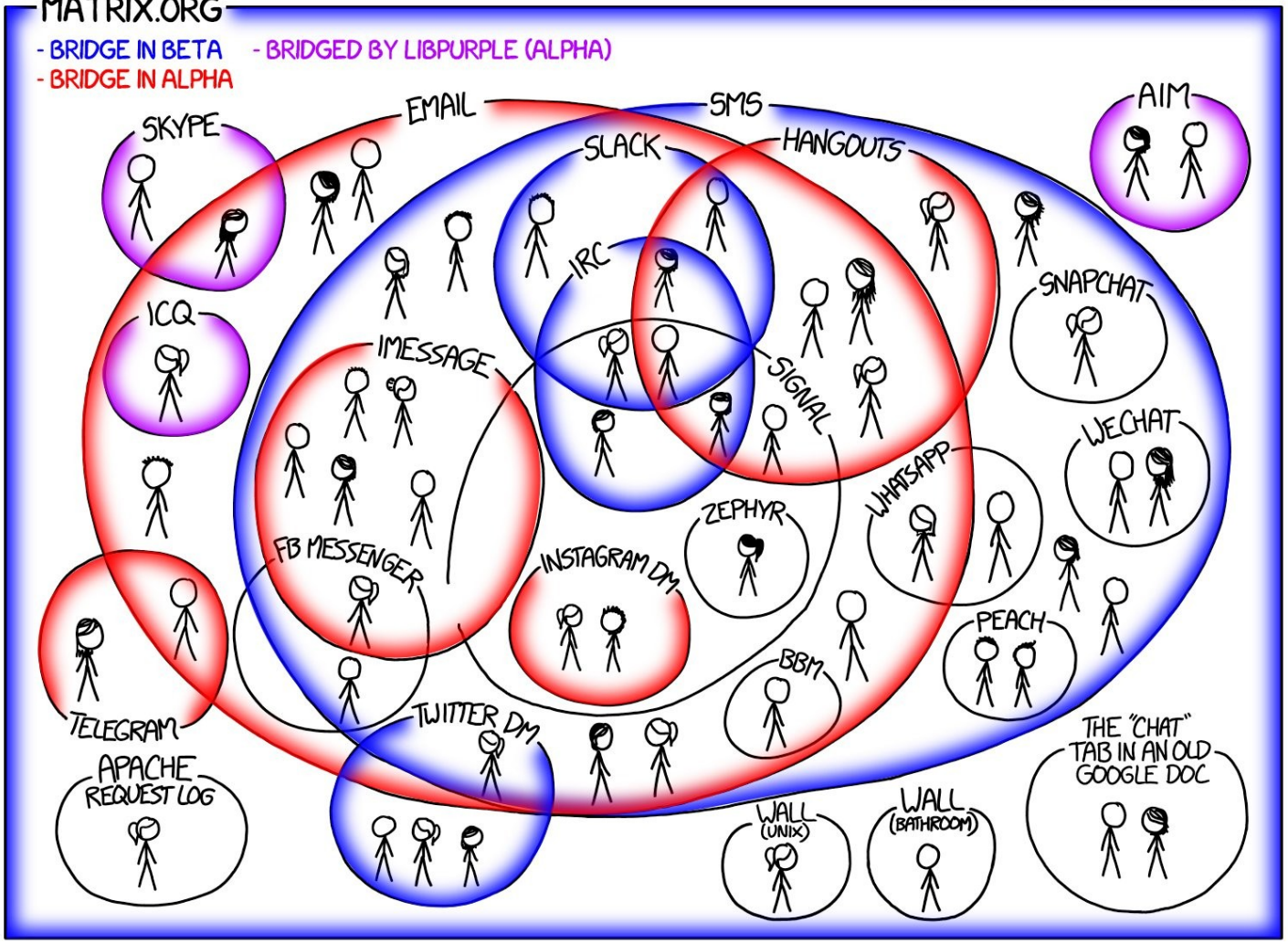
Who uses Matrix?

DISCOVERED ROOMS	ROOM ALIASES	DISCOVERED USERS	DISCOVERED SERVERS	ROOM MENTIONS
3,797	8,697	1,409,310	5,343	25,641



https://voyager.t2bot.io

A REPLY TO HTTPS://XKCD.COM/1810



~~I HAVE A HARD TIME KEEPING TRACK OF WHICH CONTACTS USE WHICH CHAT SYSTEMS.~~

THIS IS ONE OF THE MAIN REASONS WE CREATED MATRIX.ORG :)

KDE

France (DINSIC)

SURF

(Home)Server implementations

- Synapse – Reference implementation (Python, Twisted)
- Dendrite – Synapse replacement (Go)

- Ruma – Rust
- The Construct – C++
- Plasma – Elixir
- jeon – Java

Available Clients

- Riot – Electron
  - Web
  - iOS
  - Android
- Nheko – C++ & Qt
- Weechat – C & Python
- Gomuks – Go
- Quaternion – C++ & Qt
- Fractal – Rust & GTK+
- Seaglass – Swift
- Spectral – C++ & Qt
- Umatriks – C++ & Qt – Ubuntu Touch
- FluffyChat – C++ & QML – Ubuntu Touch

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