How Matrix Lets you Build & Own Communication

https://github.com/insightbuilder

GOAL

MATRIX IS TO BE A UBIQUITOUS MESSAGING PLATFORM FOR SYNCING YOUR DATA

The end goal of Matrix is to be a ubiquitous messaging layer for synchronising arbitrary data between sets of people, devices and services - be that for instant messages, VoIP call setups, or any other objects that need to be reliably and persistently pushed from A to B in an interoperable and federated manner.

-MATRIX.ORG

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YOUR COMMUNICATION HAS

PATTERNS
CHANNELS
AUTOMATION OPPORTUNITY
OWNERSHIP
INTELLIGENCE
COMMUNITY

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WHAT IF ...

YOU OWN COMMUNICATION

Matrix Manifesto

- People should **have full control** over their own communication.
- People should not be locked into centralised **communication silos**, but instead be free to pick who they choose to host their communication without limiting who they can reach.
- The ability to **converse securely and privately** is a basic human right.
- Communication should be available to everyone **as a free and open, unencumbered**, standard and global network.

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WHAT FEATURES & FUNCTIONS

DISTRIBUTED CHAT ROOM

TRUSTED

federation servers

3rd party PID

User Public Key

3PIDs to Matrix ID

EXTENSIBLE

user management

room state

profile management

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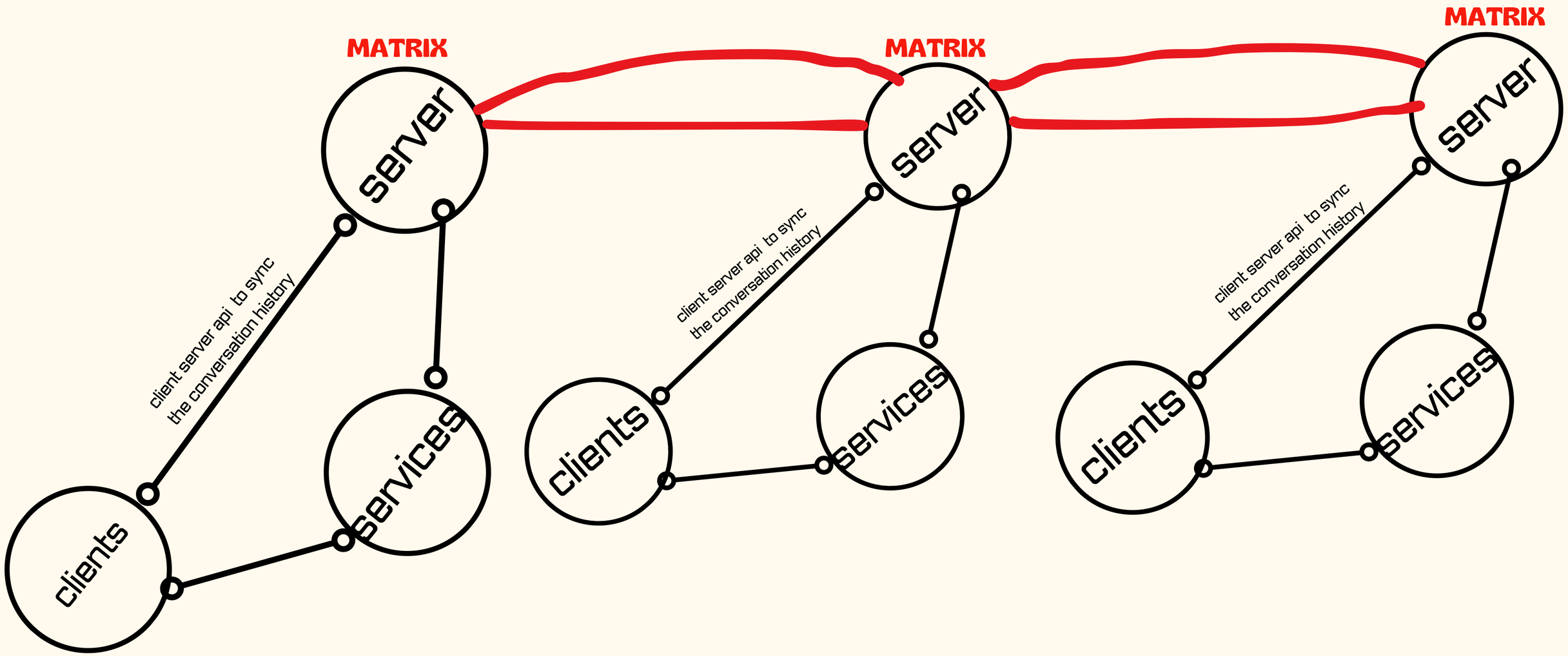
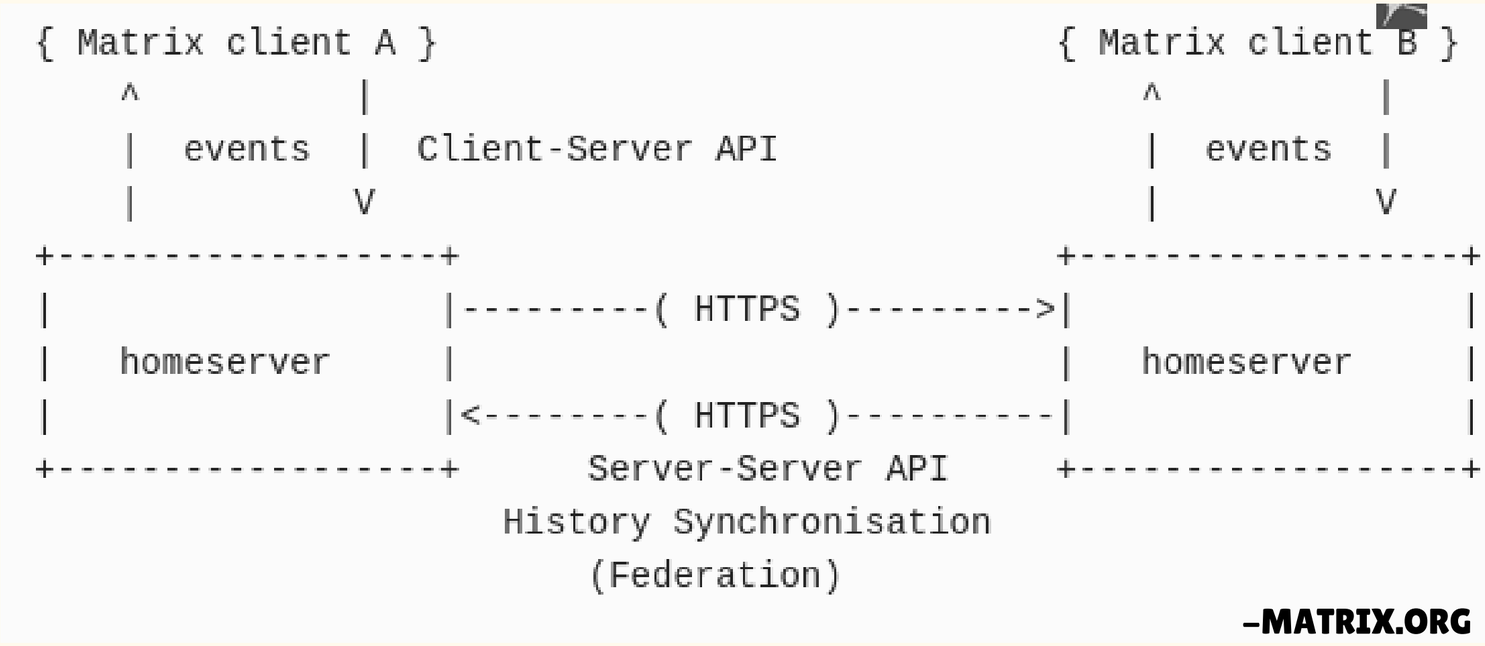
ARCHITECTURE



FEDERATION

~~OWNERSHIP~~

This process of synchronising shared conversation history between homeservers run by different parties is called “Federation”.



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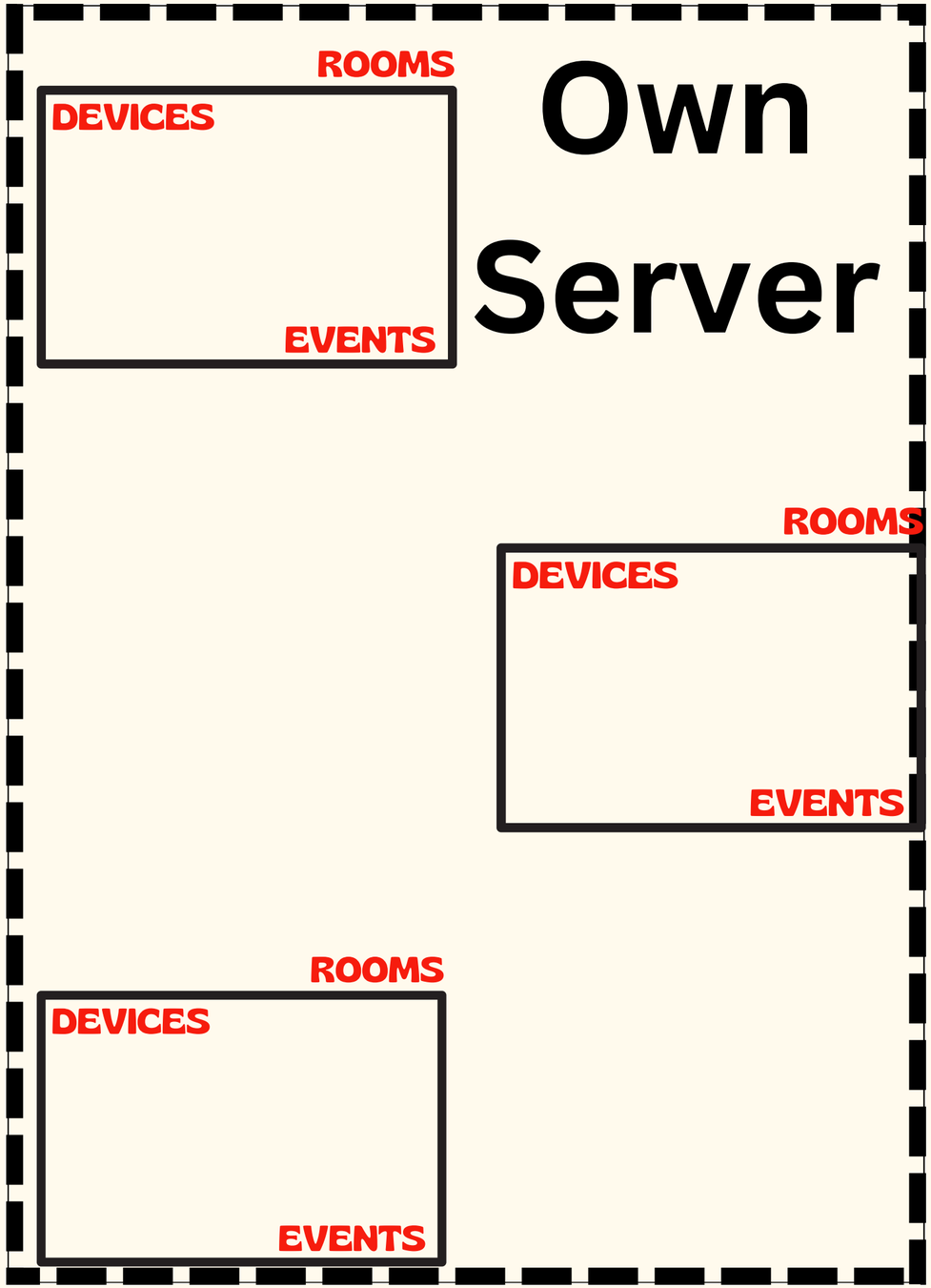

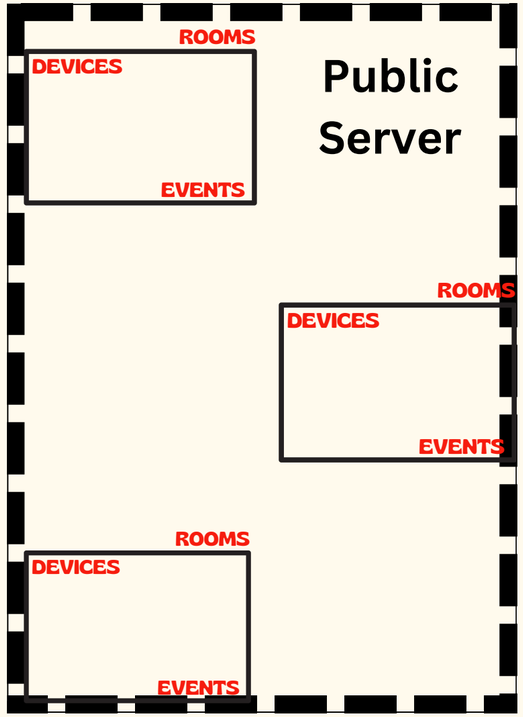

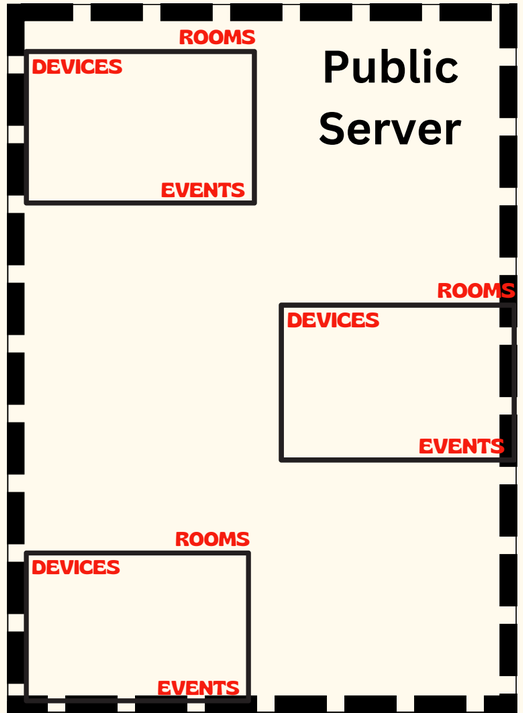

MATRIX COMPONENTS

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THANKS FOR WATCHING

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OWN A MATRIX SERVER

< 35 USD / MONTH
< 3000 INR / MONTH

DOMAIN NAME

< 0.34 USD /MTH

PUBLIC IP

FROM 20.0 USD

CLOUD IP

< 4 USD / MONTH

SPARE LAPTOP

ITS FREE...

CLOUD SERVER

< 30.00 USD / MONTH

UBUNTU 22.04

ITS FREE

TERMINAL CONN

ITS FREE

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FINE ... WHAT WE CAN DO WITH MATRIX???

UNIFIED COMMUNICATION AND COLLABORATION

SECURE AND PRIVATE MESSAGING

CUSTOMIZABLE AND EXTENSIBLE PLATFORMS

CROSS-ORGANIZATION COMMUNICATION

INTEGRATION WITH EXISTING SYSTEMS

COMMUNITY BUILDING AND CUSTOMER ENGAGEMENT

DATA OWNERSHIP AND COMPLIANCE

SCALABILITY AND PERFORMANCE

USE CASES IN SPECIFIC INDUSTRIES

COST SAVINGS AND ROI

SECURITY AND COMPLIANCE

CONNECTING IOT DEVICES & BOTS

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BRIDGES

- **Discord** — 3 bridges
- **Slack** — 4 bridges
- **Signal** — 1 bridge
- **Telegram** — 1 bridge
- **WhatsApp** — 1 bridge
- **Messenger** — 1 bridge
- **iMessage** — 1 bridge
- **Mattermost** — 1 bridge
- **Google Chat** — 1 bridge
- **Mumble** — 1 bridge
- **Instagram** — 1 bridge
- **LinkedIn** — 1 bridge
- **Twitter** — 1 bridge
- **Skype** — 1 bridge
- **SMS** — 3 bridges
- **Email** — 1 bridge
- **IRC** — 2 bridges
- **Mastodon** — No bridge
- **KakaoTalk** — 1 bridge
- **GroupMe** — 1 bridge
- **LINE** — 1 bridge
- **WeChat** — 2 bridges
- **Tencent QQ** — 1 bridge
- **Tox** — No bridge
- **XMPP** — 1 bridge

CLIENTS

Cinny

A Matrix client focusing primarily on simple, elegant and secure interface.

Windows · macOS · Linux · Web

Open client details

FluffyChat

Cute instant messaging app for all platforms.

iOS · Android · Linux · Web

Open client details

Element

Element is a glossy client with an emphasis on performance and usability.

iOS · Android · Windows · macOS · Linux · Web

Open client details

INTEGRATIONS

Hemppa

Generic modular Matrix bot, a super easy platform to write Matrix bot functionality in Python.

Repository · Matrix Room

Honoroit

A Matrix helpdesk bot

Repository · Matrix Room

matrix-email-bot

Posts links to emails in Matrix rooms. Ideal for newsletter distribution.

Repository · Matrix Room

matrix-eno-bot

Personal assistant and Admin tool

Repository

matrix-feeder

Matrix feeder is a matrix bot that monitors defined channels for media and posts them to another channel.

Repository

Matrix Registration Bot

A bot aiming to create and manage registration tokens for a matrix server. It wants to help invitation based servers to maintain usability.

Repository · Matrix Room

matrix-rss-bridge

matrix-rss-bridge is a bridge for reading RSS feeds in Matrix rooms.

Repository

matrix-trello-bot

Interact with Trello in matrix

Repository · Matrix Room

maubot

A plugin-based Matrix bot system written in Python.

Repository · Matrix Room

opsdroid

A connector for opsdroid to receive and respond to messages

Repository

rustix

A graph-based Matrix bot in Rust

Repository

matrix-hookshot

A bridge between Matrix and multiple project management services, such as GitHub, GitLab and JIRA.

Repository · Matrix Room

SERVERS

Synapse — Stable

Apache-2.0 Python

Matrix.org homeserver

Repository · Matrix Room

Construct — Beta

BSD C++

Construct is a C++ Matrix Homeserver

Repository

Conduit — Beta

Apache-2.0 Rust

Conduit is a simple, fast and reliable chat server written in Rust

Repository · Matrix Room

Dendrite — Beta

Apache-2.0 Go

Dendrite is a second-generation Matrix homeserver written in Go!

Repository · Matrix Room

Telodendria — Alpha

MIT C

Telodendria is an open source Matrix homeserver implementation written from scratch in ANSI C and designed to be lightweight and simple, yet functional.

Repository · Matrix Room

ECOSYSTEM MAKES IT REAL

GET READY TO OWN YOUR SERVER

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