

Portal Network and libportal.net

Who am I

ex fluffy

working on my own client

18+ years of messing around

Master's degree in EE

What is Portal Network?

Bespoke P2P network

3 Networks actually

Built on top of discv5

Why not just use BitTorrent?

We want our data to be verifiably anchored to the canonical data

There are some attacks we can mitigate using our own protocol - each network has specific ones

History Network

Chain history, headers
& block bodies

Kinda production ready

Can be used for 4444

4444

We are ready and
WAITING

Beacon Network

Allows to follow HEAD

Mostly complete

Expected to be ready
in July/August

State Network

Full archive of account
& contract data

Active development

Expected before DevCon 2024

Existing clients

trin - Rust

ultralight - JS

fluffy - NIM

shisui - GO

libportalnet - ZIG

Goals:

Minimal. BYO:

storage, network & event loop

Lightweight. Target ESP32-S3

Embeddable.

Compiles to .so or .a

Phones, laptops and
... WiFi-enabled microcontrollers

802.11 b/g/n + BT5

2x240Mhz Xtensa cores

8Mb RAM + SD card for storage

Few words about eportald

R&D platform for libportalnet

Written in Erlang/Elixir

Tick-tack model for features
between eportald & libportalnet

ethportal.net

Discord:

tiny.cc/portalnet



libportal.net

eportald.org

mynameisdaniil.org