

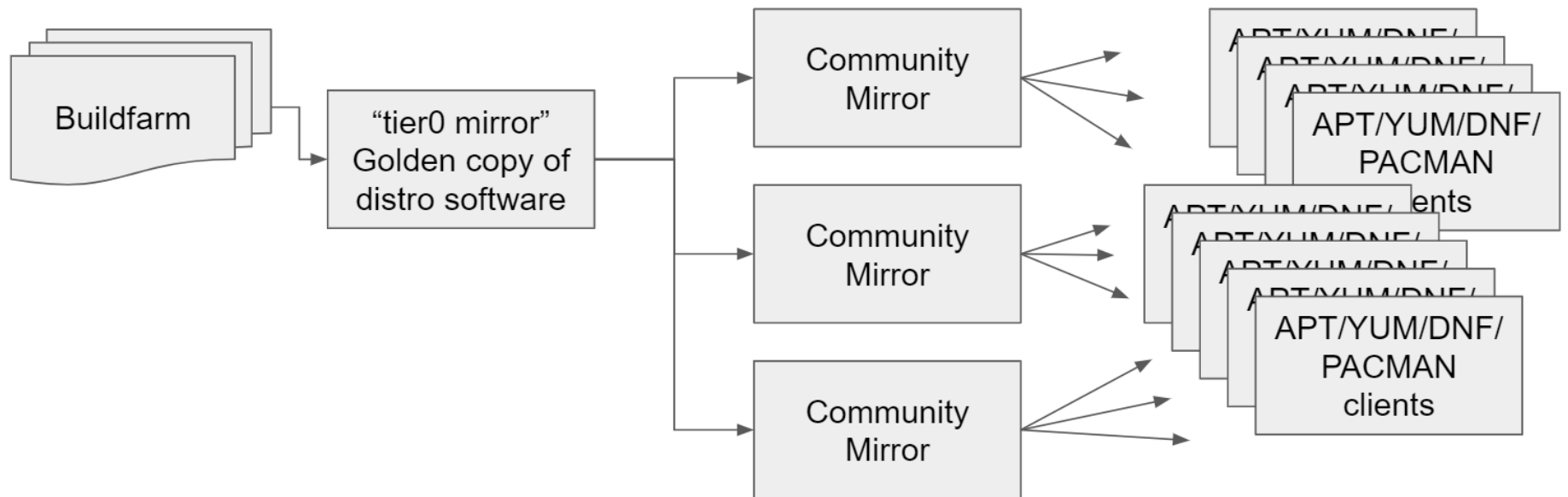
# Serving Security Updates to Every Linux Server in the World

18-OCT-2020

Kenneth Finnegan

Fremont Cabal Internet Exchange

# Free Linux Distros rely on a Volunteer run CDN



# Who Runs These Community Mirrors?

- Academic Institutions\*
- Linux User Groups
- Generous ISPs with spare engineering resources

\* - Ask your local university NOC about their project to migrate out of all their local DC space

# FCIX gets into the Mirroring Scene



Kenneth Finnegan  
@KWF

Welp. @warty9 and I just dropped \$2378 on the new hardware for [mirror.fcix.net](https://mirror.fcix.net)

This is how Linux distros are able to stay free; nerds like us help build their CDN and then pass the hat around to help cover the cost.

[liberapay.com/phirephly/](https://liberapay.com/phirephly/)



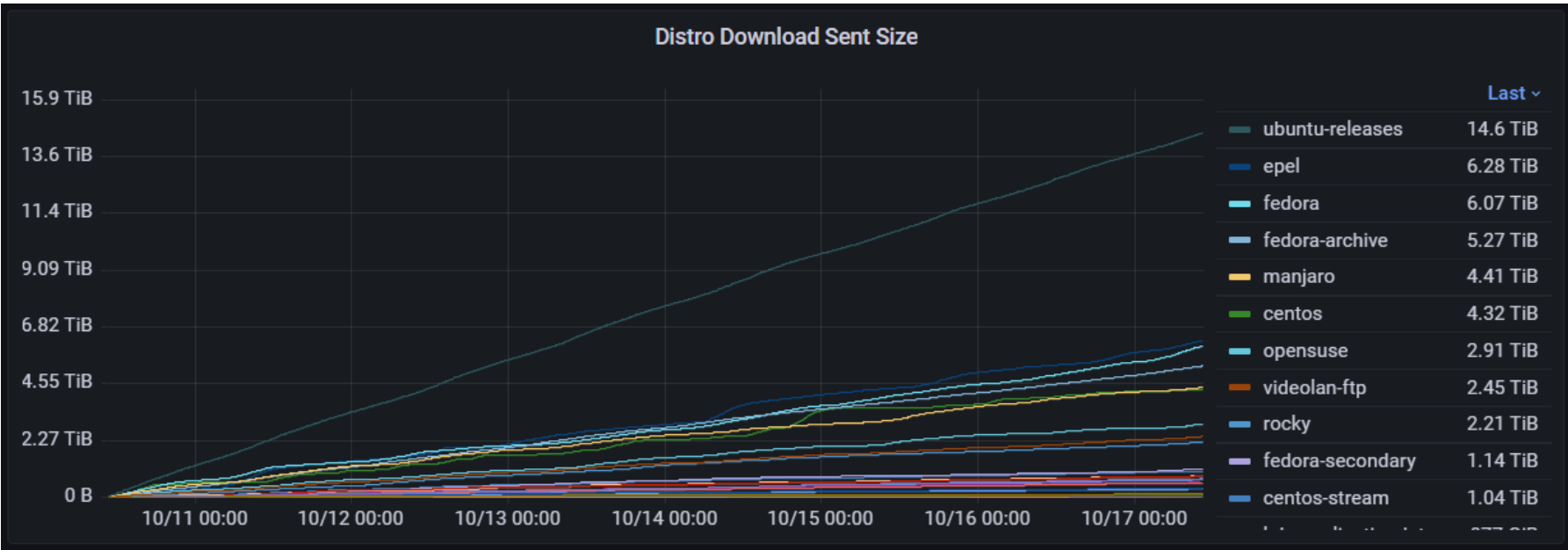
[mirror.fcix.net](https://mirror.fcix.net)  
FCIX Software Mirror  
A free software mirror sponsored by the Fremont Cabal Internet Exchange

2:10 PM · Mar 30, 2022 · Twitter Web App

10 Retweets 4 Quote Tweets 84 Likes

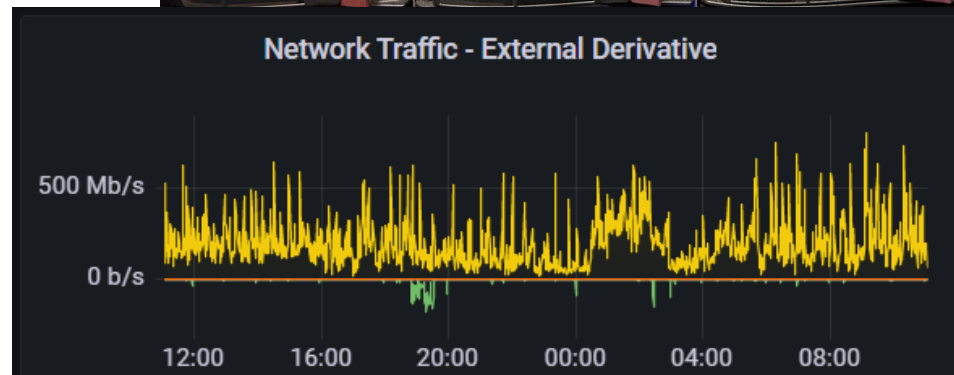
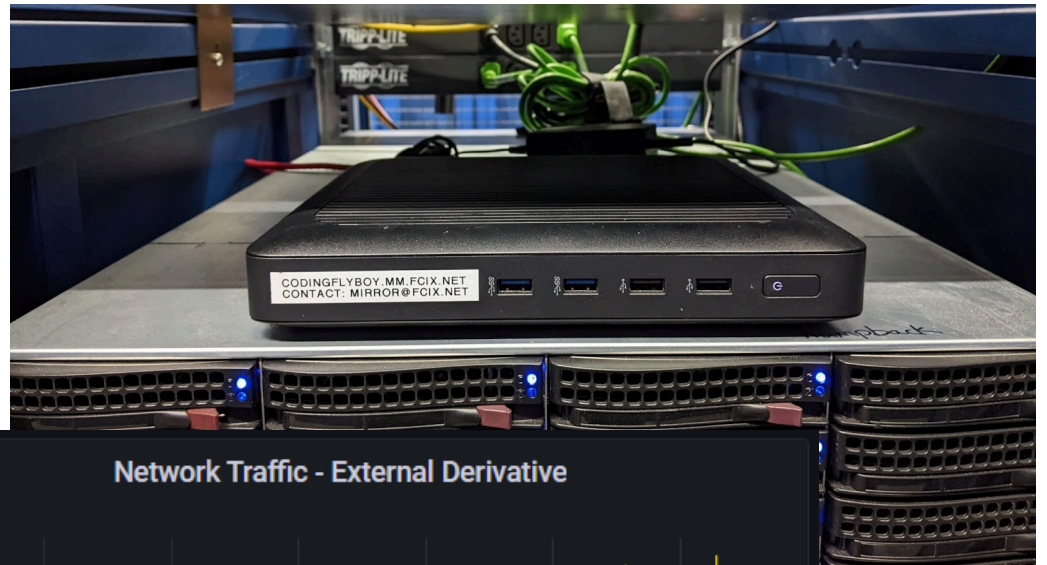


# 60% of the traffic comes from 5% of the content!



# The Micro Mirror is Born

- HP T620 thin client
- 2TB SSD
- 1Gbps transit host
- Serve  $\frac{1}{3}$  the traffic as a heavy iron mirror

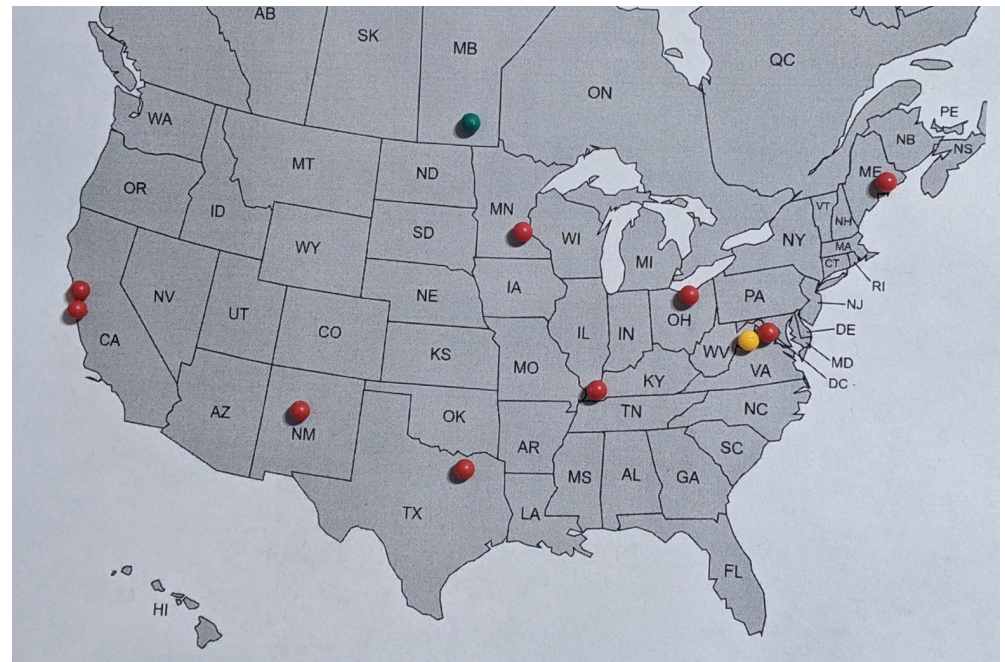


# We need to scale out

- FCIX is looking for more Micro Mirror sponsors.
- Networks should be hosting their own mirrors.

Twitter: @KWF

Email: [mirror@fcix.net](mailto:mirror@fcix.net)





# Thank you

18-OCT-2022

