- 23 year anniversary on October 18th
- 6.4 released today
- major improvements to our arm64 and armv7 platforms
- many improvements and drivers for modern amd64 based laptops
- many improvements for guest OSes in our virtualization hypervisor
- defenses against ROP attacks and misbehaving applications
we are upstream for

- openssh
- tmux
- libressl
- mandoc
- opensmtpd
wifi join
lACP administrative knobs
microtik EoIP
further work in an SMP-safe network stack
more unlocked syscalls (sendmsg, sendto, recvfrom, and recvmsg)
networks(5) support has been removed
network daemons

- ospf6d routing domains (VRFs)
- slaacd fully pledged
- slaacd better behaved on networks (DAD, network roaming, etc)
- rad replaces rtadvd
money was raised
Thank you to RIPE Community Projects Fund
DE-CIX, Netnod, AMS-IX, BCIX, LONAP, Asteroid, Namex, University of Oslo
apologies if I missed anyone
money was spent

Claudio Jeker is now working full time on OpenBGPD

1 year of funding is secured

5 months of effort so far
RFC8212 compliance (default deny policy)
remove announce self, move to filter rules instead
RPKI ROA support (static table, no RTR support)
sets for prefixes, ASNum, and origins (prefix + source-as)
... replaces many filter rules with a single fast lookup
background soft-reconfig on config reload
... on reload, withdraws and updates are still processed
154 commits since 6.3
YYCIX is using this in production already
46 members
6.3 370,000 filter rules
6.4 less than 6,000 filter rules
better community filtering
... matching more than one community per filter rule
... faster set and delete communities
more filter improvements
further RIB refactoring
OpenBGPD portable
OpenBGPD - Future Work

- multi-threaded RIB support
- FIB for other OSes in the portable version
- new features (ADD_PATH, BGP multipath, BMP, RTR)
openbsd needs funding to continue development work
general funding, sponsors for hackathons, etc
www.openbsdfoundation.org - a canadian not-for-profit corporation
direct contact with developers for directed work