

IETF Hackathon

IETF 118

4-5 November 2023

Prague

Hackathon Plan

Plan:

- Setup some anycast Unbound instances running 1.18.0 supporting draft-momoka-v6ops-ipv6-only-resolver-02
- Figure out whether "prefer-ip6: yes" should be set

What got done: 2a06:d1c7::

- There now is a public v6 only resolver at 2a06:d1c7:: (with somewhat reasonable rate limits) using a NAT64 pool of 8 addr/host
- We tested replaying some dual-stack zones, and noticed the implementation indeed needs prefer-ip6: yes to not use NAT64 for some DS hosts
- Looking forward to some evaluation traffic if somebody feels like it; Service will likely remain in place for some time
- We need to take a look at NAT64 port exhaustion for resolvers, as port-reuse is not that easy with NAT64

