Architecture

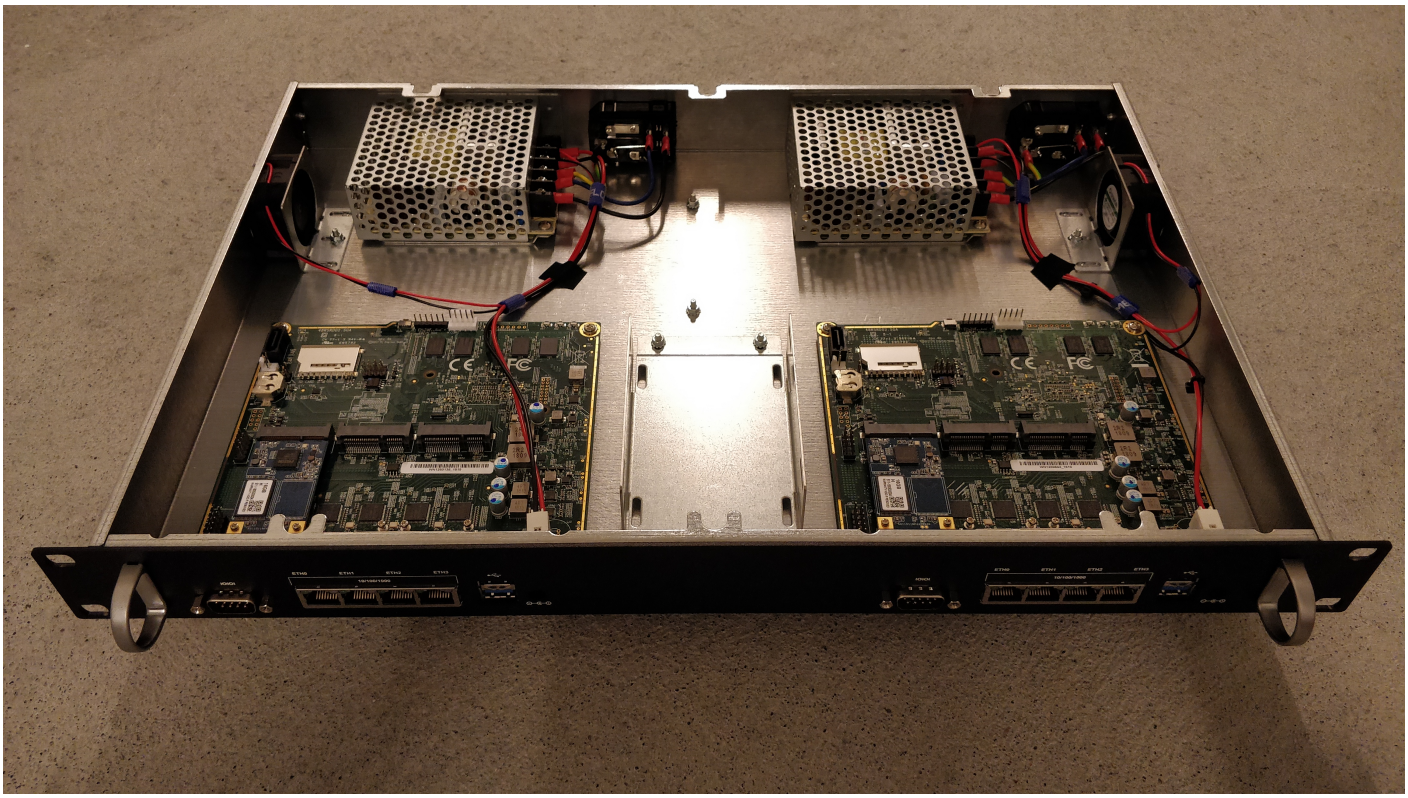
DNS APUs — architecture

Two PC Engines **APU2** boards in a 1U dual-slot 19" chassis are the household recursive DNS. Clients do not pick a box. DHCP (and the core intercept of rogue DNS) hands out **10.53.53.53**. Each APU puts that address on `lo` and FRR advertises it as an OSPF stub. The **CCR2116** core installs an ECMP pair and hashes each source/destination pair onto one arm.

This page is the map. The self-heal that withdraws a sick arm is Anycast self-heal. What still listens where, after HOST-APU-01, is Hardening and dashboard scrape. The rest of the household fabric (islands, VLANs, dual WAN, VRRP) is MikroTik fabric.

Rack photos

Hardware photos are the original 2019 gallery shots from racked the apu2s. The software on the boards has moved on (Unbound + FRR anycast, not Pi-hole/Traefik); the metal is the same.



These are my apu2 DNServers running pihole on docker with traefik 2.0

