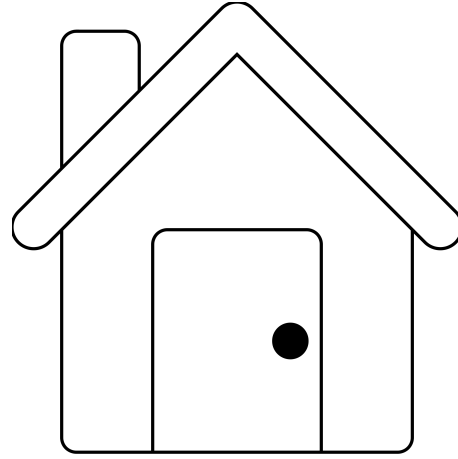


Homenet at Hackathon-IETF93



Because you all have a home network !

What is Homenet ?

Homenet IETF Working Group



And we have a few documents for that:

RFC 7368

draft-ietf-homenet-dncp

draft-ietf-homenet-prefix-assignment

draft-ietf-homenet-hncp

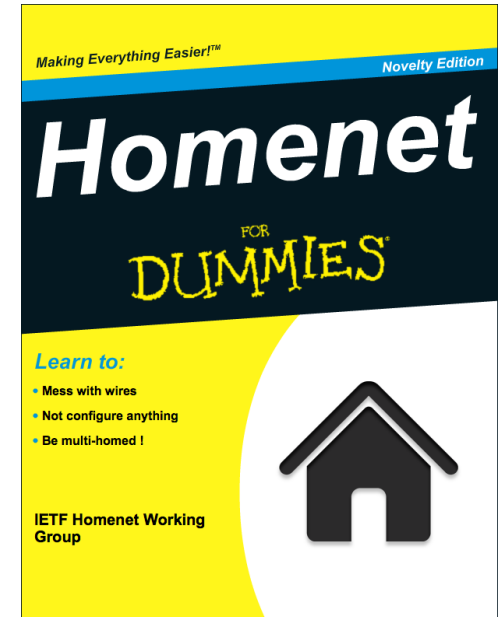
etc... (Naming + Service Discovery)

Homenet Architecture

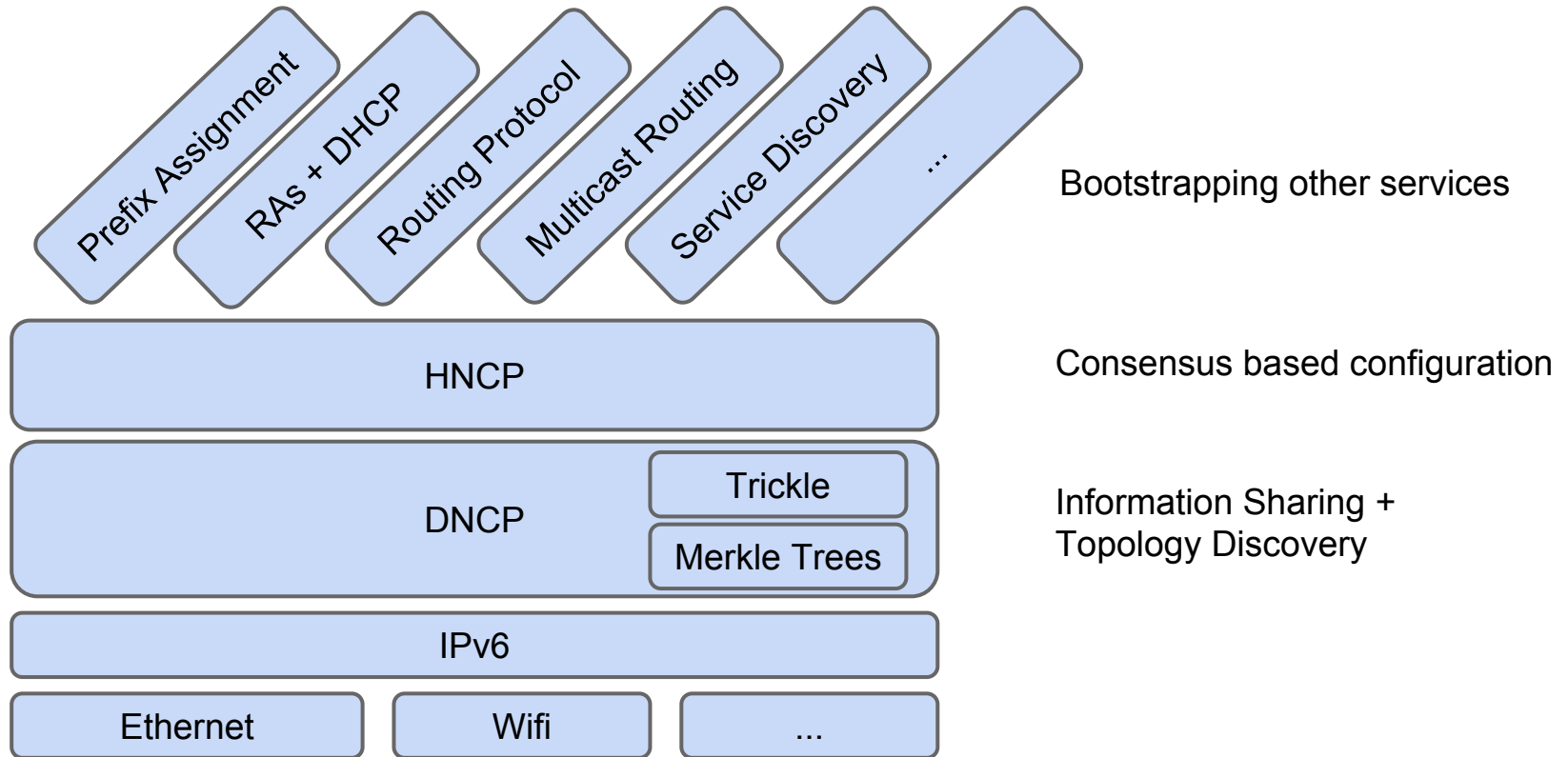
Distributed Node Configuration Protocol

Distributed Prefix Assignment Algorithm

Home Network Configuration Protocol



Homenet Architecture in a Nutshell



Implementation Status

First Implementation: hnetd

<https://github.com/sbyx/hnetd>

Mostly for OpenWrt

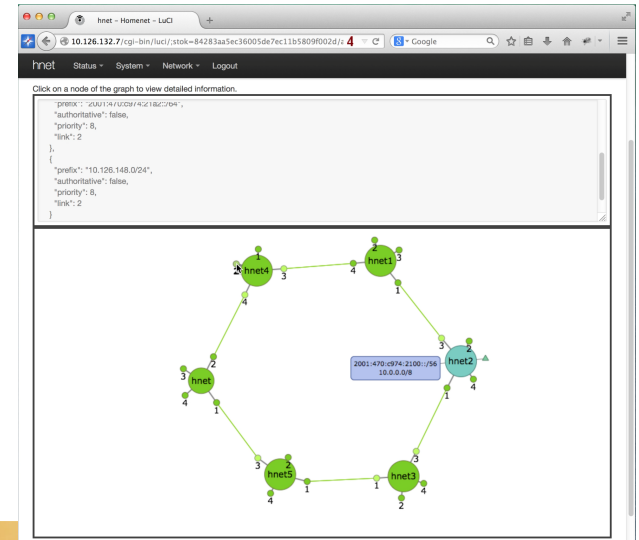
Implements quite everything proposed.

New Implementation: shncpd

<https://github.com/jech/shncpd>

By Juliusz Chroboczek (Thanks)

DNCP + HNCP + PA



Proposed Subjects for the Hackathon

- Quick'n'Dirty DNCP (+HNCP ?) **implementation from scratch**
- Make a library out of hnetd's **Prefix Assignment Algorithm**
- Improve **hnetd web-UI**
- **Netconf-Yang** configuration interface
- **Interop. testing** between hnetd and shncpd
- **Fix bugs** (hnetd and/or shncpd), test on **other hardware**
- Integrate into **a new platform** (not a router, low power, ...)
- **Multicast Routing/Bier** new PoCs
- Implement some **other draft**
- Explore some new **homenet + X** angle
- **And more !**

Thanks

Now join the team !