

# Naming and Service Discovery in the Homenet

Ted Lemon <[mellon@fugue.com](mailto:mellon@fugue.com)>

# Overview

- Homenet is using DNSSD Discovery Proxy as the basis for the Simple Homenet Naming Architecture
- Some of us would also like to use the DNSSD registration protocol as a basis for supporting unicast publication of service info
- My plan at present is to pursue one document that provides simple naming (already adopted) and a second document that provides the unicast solution
- Advanced naming will layer on top of simple naming, so if you have one advanced HNR and a dozen simple HNRs, you have advanced naming

# Why do you care?

- The advanced homenet naming architecture also looks a lot like a small business architecture
- Advanced homenet naming has some useful new security properties because of support for service registration
- Advanced homenet naming addresses the deployment aspect of the educause use case, which is not explicitly addressed by e.g. Hybrid Proxy alone (that is, it might be worth stealing)

# Status

- Simple Homenet naming has been reorganized and updated
- Needs significant work prior to publication
- Depends on Discovery Relay
- Advanced Homenet Naming is mostly not written, although some text can be stolen from the old HNA document
- Advanced Homenet Naming depends on DNSSD Registration

# Our ask for DNSSD WG

- Please adopt DNSSD Discovery Relay  
(draft-sctl-dnssd-mdns-relay-03)
- Please adopt DNSSD Registration  
(draft-sctl-service-registration-00)
- Please adopt the other stuff we're working on, because it's interdependent  
(draft-sctl-discovery-broker,  
draft-cheshire-dnssd-roadmap-00)
- Please read the Simple Homenet Naming Architecture  
*when the new version comes out*
- We will let you know when that happens

# What we particularly want out of that review

- Advice about what is missing, if anything
- Consider the use cases this architecture could address that are relevant to DNSSD