Naming and Service Discovery in the Homenet

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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 looks a lot like what Educause asked for

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
- Please adopt DNSSD Registration
- Please adopt the other stuff we're working on, because it's interdependent
- Please read the Simple Homenet Naming Architecture *when the new version comes out*
- We will let you know when that happens

What I 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