

# Infrastructure DNSSD

Ted Lemon <[elemo@apple.com](mailto:elemo@apple.com)>

# What we have now

- Deployed
  - Static DNSSD using DNS
  - mDNS
- Thread Border Routers
  - SRP
  - Advertising Proxy (for SRP)
  - Discovery Proxy (for Thread nodes)
- Specified
  - SRP
  - Discovery Proxy
  - mDNS
  - DNS-SD-over-DNS

# What's missing?

- How to tie it all together
  - Enterprise (managed) settings
  - SOHO/home (automatically managed) settings
- We don't support in home routers, really at all, for
  - SRP registration
  - DNSSD-over-DNS
  - Integration of stub routers
- We also don't see commercial solutions

# Strategy

- Commercial solutions tend to follow consumer solutions
- What would it take to get more DNSSD into home routers?
- Possible priorities
  - Unicast DNSSD (mDNS replacement)
    - This requires either infrastructure or local assist (e.g. home speakers, set-top boxes)
    - Requires that service discovery clients be able to turn off mDNS and rely on a local discovery proxy
  - Integration of stub routers
  - ???

# Discussion?

- That's all, does anybody want to discuss this?