Infrastructure DNSSD

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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 of mDNS and rely on a local discovery proxy
  • Integration of stub routers
  • ???
Discussion?

• That’s all, does anybody want to discuss this?