DNSSD Advertising
Proxy Status

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Mostly Done

• We were mostly done last time, but...
• The question came up, how do we talk about how this is used
• The answer is fairly clear, but complicated
• And as a consequence, we are stuck in...
Scope Creep

• Original scope: describe an advertising proxy
• Creep:
  • Describe how SRP relates
  • Describe general-purpose resolver functionality
  • Describe how to set this up in a network
• This is all good stuff
• Does it belong in this document?
Proposed Way Forward

• Talk about what the advertising proxy advertises mostly in abstract terms, with external references for detail

• Add Yet Another few documents:
  • Unicast DNSSD Service
  • Unicast DNSSD Host Registrar/Discoverer behavior
  • Stub Router Unicast DNSSD behavior
  • CE Router support for Unicast DNSSD service
Unicast DNSSD Service

• This is the thing that listens on port 53 etc for
  • DNS queries
  • SRP updates
  • DNS Push
• Probably includes Advertising Proxy, but by reference
• Probably sits on a CE router, but that’s a separate doc
• Could also sit on a stub router, also a separate doc
Unicast DNSSD Host Registrar/Discover

- Registers services w/o Unicast DNSSD Service using mDNS
- Discovers Unicast DNSSD Service when offered
  - Offered by infrastructure
  - Offered by devices attached to infrastructure
- How service discovery works via Unicast DNSSD Service
Stub Router

Unicast DNSSD behavior

• How Stub router does Unicast DNSSD in absence of infrastructure support (e.g. from CE router)
• Probably could be mostly done in Stub Networks wg
• How services is advertised, e.g.
  • Advertising _srp-tls._tcp.*, _dns-push-tls._tcp.*, ???
• Where service is advertised
  • On stub network
  • On infrastructure?
CE Router
Unicast DNSSD Behavior

- How CE router advertises availability of this service
  - Presumably using DNSSD
- How this works in multi-link topologies
- How links are named
  - e.g., currently most stuff discovered via DNSSD is in ".local".
- Do we want that to change?
Request to WG

• Think about this
• We can discuss on mailing list
• I don’t think we need to decide anything today