

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