

Things we need to standardise: a recap/review since IETF89

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1: Proxying mDNS/DNS

- We need a mechanism to proxy dns-sd over mDNS to dnssd over unicast DNS
- This might (potentially) be defined in a similar way to a DHCP relay
- Need to be able to publish and resolve services
- Not proposing we need a way to proxy (forward) link-local mDNS on one link to another
- Potential solution: [draft-cheshire-mdnsexthybrid-01](#)
- Related label issue: [draft-sullivan-dnssd-mdns-dns-interop-00](#)
- Related homenet work on publishing DNS for the home ongoing

2: Service discovery zone enumeration

- We use the word 'zone' here in the absence of anything better
 - May or may not have anything to do with a “DNS zone”
 - We don't use the word 'scope' to avoid multicast confusion
- How do you discover zones that you can use for advertising services or discovering them?
 - Not concerned yet how this is done, rather that it's a necessary element of the solution
- A zone could be based on topology or physical location or organizational group or whatever else
- Can do this today by domain (as Stuart posted to the dnssd list yesterday)
- Challenge: handling/enumerating physical locations, e.g. “this room”, or “this hotel”, or administrative operation, e.g. “IETF”

3: Change notification

- Problem is opening a service browse window, there's nothing there, but how soon does a new service appear once available?
 - Changes need to be propagated quickly
 - How do you register changes?
- We will likely lose some immediacy in responses when extending dns-sd
 - Further, does a proxy with a positive answer to a query send the answer immediately, wait and poll for more answers, or both?
- And what do we exactly mean by 'stale' information?
- Should we push ahead with a form of DNS-LLQ here?
 - We could revive expired I-D draft-sekar-dns-llq-01
 - Or, as suggested in Hybrid Proxy draft, define a new LLQ mechanism