

DNS DISCOVERY RELAY

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STATUS

- Document was adopted early in 2018
- Finally submitted a -00 in May
- I've done an implementation using Apple's open source mDNSResponder as a basis
- Lots of details updated as a result of implementation
- Implementation also turned up some useful insights about the DSO document
- Have been able to browse my printer at home in Vermont while traveling
- Document is pretty solid at this point
- And it's in last call

BIG CHANGES

- Previously link status configuration was out-of-band
- This actually really sucked when I implemented it
- So we added in-band signaling for links
- Subscribe to link notifications
- Link added
- Link went away
- Unsubscribe from link notifications

LESS BIG CHANGES

- Example provisioning vocabulary clarified and updated
- Terminology consistency and clarification
- Security considerations update to talk about crypto algorithm lifetimes and crypto protocol lifetimes
- Took out Layer 2 source address reporting for mDNS messages from the relay to the proxy

STATUS OF IMPLEMENTATION

- TLS implementation not done
- Everything else is working (I think!)
- We only have one implementation—would be nice to have a second
- Current implementation is just mDNSResponder, and is not a Discovery Proxy
- Releasing code is a slow process, but we're working on it. Will definitely be open source (Apache)
- If you want to interop, please talk to me

NEXT STEPS

- Please review document while it's in last call
- We are going to try to get the Discovery Proxy code working in the very short term (and I think this is doable)
- TLS code will follow