DNS-Based Service Discovery Proxy
DNS-Based Service Discovery

iOS
macOS
watchOS
tvOS
Local Service Discovery Using Multicast

+ Requires no Infrastructure
  Just direct Ethernet cable, no Ethernet switch
  Just direct peer-to-peer Wi-Fi, no Wi-Fi access point

- Inefficient (impacts every member of the multicast group)
- Slow (low Wi-Fi multicast data rates, high Wi-Fi DTIM latency)
- Wasteful (consumes lots of shared Wi-Fi airtime for very little data)
- Unreliable (no acknowledgement and retransmission for Wi-Fi multicast)
Wide-Area Service Discovery Using Unicast

- Discovery Proxy

https://www.ietf.org/mailman/listinfo/dnssd
https://github.com/IETF-Hackathon/mDNSResponder

Hackdemo Happy Hour 18:10-19:40 Monday (Parc Mont-Royal)
DNSSD Working Group Meeting 13:30-15:30 Thursday (Duluth)