Unicast Service Discovery
Autoconfiguration

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New draft

Result of discussions at Hackathon

New draft: draft-sctl-dnssd-unicast-autoconfig-00

Motivation: Adding a Thread wireless mesh to an existing home network

Thread
  • Low power wireless mesh network using IEEE 802.15.4 radios
  • https://www.threadgroup.org/
  • Aimed at IoT / Home Automation applications
  • Connects to home Ethernet or Wi-Fi network via Thread Border Router
Unicast Service Discovery for Thread

Want to facilitate efficient service discovery over unicast
• Discovery of services on Thread mesh from home Wi-Fi network
• Discovery of services on home Wi-Fi network from Thread mesh
• Discovery of services on Thread mesh by other peers on Thread mesh

Can’t assume existing network uses HNCP (Homenet),
or require any other changes to existing home network, but…
• Possibly Thread Border Routers could use HNCP to communicate amongst themselves?

Please read draft and send feedback on mailing list