dnsssd WG

Chairs:
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IETF 98, Chicago, 28th March 2017
Note Well

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- Any Birds of a Feather (BOF) session
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Minute taker & Jabber relay

• Jabber relay
  – Volunteer please?
  – dnssd room on jabber.ietf.org, or just use Meetecho

• Minute taker
  – Tim Wicinski has kindly volunteered
  – You can also help by collaborative use of etherpad-98:
  – It’s primed with the agenda topics
WG info

• Charter:
  – http://datatracker.ietf.org/wg/dnssd/charter/

• Status pages for drafts:

• Meeting materials:
  – https://datatracker.ietf.org/meeting/96/materials.html/#dnssd

• Mail list:
  – dnssd@ietf.org
  – To join: https://www.ietf.org/mailman/listinfo/dnssd
# Document statuses

<table>
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<td>Discovery Proxy for Multicast DNS-Based Service Discovery</td>
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<td>May 2017, Mar 2014</td>
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<td>Terry Manderson Suzuki Woolf</td>
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<td>On Interoperation of Labels Among Conventional DNS and Other Resolution Systems</td>
<td>12 pages</td>
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<td>Requirements for Scalable DNS-Based Service Discovery (DNS-SD) / Multicast DNS (mDNS) Extensions</td>
<td>14 pages</td>
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Goals for the session

• The goals of this session are to:
  – Wrap up Discovery Proxy and DNS Push
  – Identify future work for DNS-SD
    • DNS-SD Advertising Proxy, Sleep Proxy, Discovery Broker, DNS-SD Roadmap, Zone stitching ?
  – Discuss progress on DNS-SD Privacy, and the associated device pairing draft
  – Determine authors for enterprise DNS-SD BCP
  – Discuss homenet naming & SD architecture
  – Have a brief discussion on DNS-SD in IoT context
Agenda bashing

Chairs’ Introduction (inc. updated milestones) Chairs, 5 mins

DNS Push Notifications Stuart Cheshire, 5 mins

DNS-SD Discovery Proxy Stuart Cheshire, 5 mins

DNS-SD Advertising Proxy - discussion Stuart Cheshire, 30 mins
(plus Sleep Proxy, Discovery Broker, Zone stitching, and DNS-SD roadmap)

Privacy Extensions for DNS-SD Christian Huitema, 15 mins

Device Pairing Using Short Authentication Strings Christian Huitema, 10 mins

DNS-SD Deployment for campus/enterprise networks - BCP document discussion 10 mins

Simple Homenet Naming and Service Discovery Architecture Ted Lemon, 15 mins

Stateful Multi-Link DNS Service Discovery Ted Lemon, 10 mins

DNS-SD in IoT (and constrained network environments) Ines Robles and Peter van der Stok, 10 mins
<table>
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<td>Mar 2018</td>
<td>Submit DNS-SD Deployment for campus/enterprise networks draft to the IESG as a BCP document</td>
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<tr>
<td>Dec 2017</td>
<td>Submit DNS-SD Advertising Proxy draft to the IESG as Standards Track RFC</td>
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<td>Sep 2017</td>
<td>Submit Device Pairing Using Short Authentication Strings draft to the IESG as Standards Track RFC</td>
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<td>Sep 2017</td>
<td>Submit Privacy Extensions for DNS-SD draft to the IESG as Standards Track RFC</td>
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<td>Jul 2017</td>
<td>Adopt DNS-SD Advertising Proxy draft as a WG document</td>
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<td>Jul 2017</td>
<td>Adopt hybrid-proxy implementation draft as WG document</td>
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<td>May 2017</td>
<td>Submit DNS Push draft to the IESG as Standards Track RFC</td>
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<tr>
<td>May 2017</td>
<td>Submit wide-area service discovery solution draft to the IESG as Standards Track RFC</td>
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<td>Adopt device pairing mechanism draft as a WG document</td>
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<td>Adopt privacy extensions for DNS-SD draft as a WG document</td>
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<td>Submit the zeroconf and unicast DNS &quot;problems and challenges&quot; draft to the IESG as Informational RFC</td>
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<td>Confirm long-lived queries draft as WG document</td>
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<td>Adopt Informational document on the problems and challenges arising for zeroconf and unicast DNS name services</td>
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<td>Adopt wide-area service discovery solution draft as WG document</td>
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<td>Submit requirements draft to the IESG as an Informational RFC</td>
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<td>Adopt requirements draft as WG document</td>
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DNS Push

The new -10 version is in WGLC – please comment on the list; WGLC closes on April 4th
Positive statements that the document is ready are also welcomed and important
See https://tools.ietf.org/html/draft-ietf-dnssd-push-10

(The DNS Session Signalling draft is progressing in the dnsop WG; we believe it will shortly be put though a WGLC as well – see https://tools.ietf.org/html/draft-ietf-dnsop-session-signal-02.)
Discovery (Hybrid) Proxy draft

The -06 update has been published
Largely replacing ‘Hybrid Proxy’ with ‘Discovery Proxy’
as agreed at last IETF meeting

Will be submitted to IESG once shepherd write-up is done (by WG chairs)

Potential future DNS-SD work?

Stuart Cheshire

Topics:
  - DNS-SD Advertising Proxy
  - Sleep Proxy
  - Discovery Broker
  - Zone Stitching
  - DNS-SD Roadmap

See Stuart’s email at:
https://mailarchive.ietf.org/arch/msg/dnssd/ith8SWVvyYsJLwegenndWO9Q58BsM
Privacy Extensions for DNS-SD

Christian Huitema

Device Pairing Using Short Authentication Strings

Christian Huitema

DNS-SD BCP for enterprises?

DNS-SD Deployment for campus/enterprise networks
- BCP document discussion

Initial work done by Ralph Droms and Tom Pusateri


Such deployment guidance would be very useful

Additional authors welcomed
Ted Lemon’s drafts

Simple Homenet Naming and Service Discovery Architecture
Ted Lemon

Stateful Multi-Link DNS Service Discovery
Ted Lemon
DNS-SD in IoT networks

Ines Robles and Peter van der Stok

Does the WG wish to take on this topic, and if so what needs to be considered?
Summary of actions

• Recap of agreed actions