dnssd WG

Chairs:
Ralph Droms, rdroms@cisco.com
Tim Chown, tim.chown@jisc.ac.uk

IETF 96, Berlin, 20th July 2016
Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

- The IETF plenary session
- The IESG, or any member thereof on behalf of the IESG
- Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
- Any IETF working group or portion thereof
- Any Birds of a Feather (BOF) session
- The IAB or any member thereof on behalf of the IAB
- The RFC Editor or the Internet-Drafts function

All IETF Contributions are subject to the rules of RFC 5378 and RFC 3979 (updated by RFC 4879).

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 3979 for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.
Minute taker & Jabber relay

• Jabber relay
  – Volunteer please?
  – dnssd room on jabber.ietf.org server

• Minute taker
  – Tim W has kindly volunteered
  – Suggest collaborative use of etherpad-96 link at
    http://tools.ietf.org/wg/dnssd/minutes
    (others are welcome to help 😊)
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>
<thead>
<tr>
<th>Document</th>
<th>Date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Active Internet-Drafts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>draft-ietf-dnssd-hybrid-03</td>
<td>2016-02-04</td>
<td>I-D Exists</td>
</tr>
<tr>
<td>Hybrid Unicast/Multicast DNS-Based Service Discovery</td>
<td>25 pages</td>
<td>WG Document</td>
</tr>
<tr>
<td>draft-ietf-dnssd-mdns-dns-interop-03</td>
<td>2016-07-03</td>
<td>I-D Exists</td>
</tr>
<tr>
<td>On Interoperation of Labels Among Conventional DNS and Other Resolution Systems</td>
<td>12 pages</td>
<td>WG Consensus: Waiting for Write-Up: Informational</td>
</tr>
<tr>
<td>draft-ietf-dnssd-push-08</td>
<td>2016-07-08</td>
<td>I-D Exists</td>
</tr>
<tr>
<td>DNS Push Notifications</td>
<td>33 pages</td>
<td>WG Document</td>
</tr>
<tr>
<td><strong>RFC</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RFC 7558 (was draft-ietf-dnssd-requirements)</td>
<td>2015-07</td>
<td>Informational RFC</td>
</tr>
<tr>
<td>Requirements for Scalable DNS-Based Service Discovery (DNS-SD) / Multicast DNS (mDNS) Extensions</td>
<td>14 pages</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Document</th>
<th>Date</th>
<th>Status</th>
<th>IPR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Related Internet-Drafts</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>draft-huitema-dnssd-privacy-01</td>
<td>2016-06-10</td>
<td>I-D Exists</td>
<td></td>
</tr>
<tr>
<td>Privacy Extensions for DNS-SD</td>
<td>26 pages</td>
<td></td>
<td></td>
</tr>
<tr>
<td>draft-otis-dnssd-scalable-dns-sd-threats-03</td>
<td>2016-03-17</td>
<td>I-D Exists</td>
<td></td>
</tr>
<tr>
<td>Scalable DNS-SD (SSD) Threats</td>
<td>21 pages</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Goals for this session

• The main goals of this session are to:
  – Ensure clarity on the split of work on DNS Push
  – Understand work required on co-existence of DNS Update and hybrid proxy approaches
  – Determine necessary guidance for hybrid proxy high-level deployment, and for configuration, in a campus/enterprise context
  – Determine how to progress DNSSD privacy work
Agenda bashing

Chairs’ Introduction

Updates to Hybrid Unicast/Multicast DNS-Based Service Discovery

Draft review: DNS Push

Discussion: DNS Update and mDNS/hybrid proxy coexistence

Discussion: Recommendations for using the hybrid proxy

Draft review: Privacy Extensions for DNS-SD

Discussion: Other drafts, implementations, and next steps

Close and summary of actions

Chairs, 5 mins

Stuart Cheshire, 5 mins

Tom Pusateri, 10 mins

Ted Lemon, 15 mins

Ralph Droms, 20 mins

Daniel Kaiser, 15 mins

Chairs, 15 mins

Chairs, 5 mins
Hybrid Proxy draft

Current plan is for Stuart to apply updates in August, we’ll then confirm that the WG agrees the updates address the points raised at IETF95, and then push the document to the IESG

DNS Push

Review: splitting the work, creating a signaling draft to be driven through the dnsop WG
Tom Pusateri, 10 min

DNS Update and hybrid proxy

Discussion on co-existence

See related material in Ted Lemon’s homenet naming architecture draft
https://tools.ietf.org/html/draft-lemon-homenet-naming-architecture-01#section-3.4

Issues?
Approach?
New draft?
Using the hybrid proxy

Configuration guidance?
(see https://github.com/pusateri/draft-pusateri-hybridproxy-impl/blob/master/draft-pusateri-dnssd-hyp-impl.txt)

Deployment guidance?
What are the tradeoffs?

How do you stitch proxies together in clever ways?
How do you make it usable? Interface issues?
Privacy for DNS-SD

Draft review

Taking steps into solution space
Comments on approach?

(see also draft-winfaa-intarea-broadcast-consider-01 ?)
Other drafts

(How) do we progress these?

• draft-otis-dnssd-scalable-dns-sd-threats-03
  – Open questions on list need to be resolved

• draft-ietf-homenet-hybrid-proxy-zeroconf-02
  – Awaiting publication of hybrid proxy draft

• draft-aggarwal-dnssd-optimize-query-00
  – Should we revisit?
Next Steps

• Discussion of next steps