

# dnssd WG

## Chairs:

Ralph Droms, [rdroms.ietf@gmail.com](mailto:rdroms.ietf@gmail.com)

Tim Chown, [tim.chown@jisc.ac.uk](mailto:tim.chown@jisc.ac.uk)

IETF 99, Prague, 19<sup>th</sup> July 2017

# 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 8179](#).

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 8179](#) 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, or just use Meetecho
- Minute taker
  - Tim Wicinski has kindly volunteered (again ^ )
  - You can also help by collaborative use of etherpad-99:  
<http://etherpad.tools.ietf.org:9000/p/notes-ietf-99-dnssd>
    - It's primed with the agenda topics

# WG info

- Charter:
  - <http://datatracker.ietf.org/wg/dnssd/charter/>
- Status pages for drafts:
  - <https://datatracker.ietf.org/wg/dnssd/documents/>
- Meeting materials:
  - <https://datatracker.ietf.org/meeting/99/materials.html/#dnssd>
- Mail list:
  - dnssd@ietf.org
  - To join: <https://www.ietf.org/mailman/listinfo/dnssd>

# Datatracker: document statuses

AD /

Shepherd

Document

↕ Date

↕ Status

↕ IPR ↕

Shepherd

## Active Internet-Drafts

<a href="#">draft-ietf-dnssd-hybrid-06</a> <b>Discovery Proxy for Multicast DNS-Based Service Discovery</b>	2017-03-13 37 pages	I-D Exists WG Consensus: Waiting for Write-Up: Proposed Standard <i>Mar 2014, May 2017</i>	<span style="background-color: #ccc; padding: 2px;">1</span> Tim Chown
<a href="#">draft-ietf-dnssd-mdns-dns-interop-04</a> <b>On Interoperation of Labels Among Conventional DNS and Other Resolution Systems</b>	2017-01-03 12 pages	RFC Ed Queue : <a href="#">EDIT</a> for 27 days Submitted to IESG for Publication: Informational Reviews: artart, genart, intdir, iotdir, opsdir, secdir <i>Sep 2015, Mar 2014</i>	<a href="#">Terry Manderson</a> Suzanne Woolf
<a href="#">draft-ietf-dnssd-pairing-02</a> <b>Device Pairing Using Short Authentication Strings</b>	2017-07-03 23 pages	I-D Exists WG Document: Proposed Standard Reviews: secdir <i>Oct 2016</i>	
<a href="#">draft-ietf-dnssd-privacy-02</a> <b>Privacy Extensions for DNS-SD</b>	2017-07-03 24 pages	I-D Exists Waiting for WG Chair Go-Ahead: Proposed Standard <i>Oct 2016, Sep 2017</i>	
<a href="#">draft-ietf-dnssd-push-12</a> <b>DNS Push Notifications</b>	2017-07-03 41 pages <span style="background-color: #90EE90; padding: 2px;">New</span>	I-D Exists WG Consensus: Waiting for Write-Up: Proposed Standard <i>Aug 2015, May 2017</i>	Tim Wicinski

## RFC

<a href="#">RFC 7558 (was draft-ietf-dnssd-requirements)</a> <b>Requirements for Scalable DNS-Based Service Discovery (DNS-SD) / Multicast DNS (mDNS) Extensions</b>	2015-07 14 pages	Informational RFC	<span style="background-color: #ccc; padding: 2px;">1</span> <a href="#">Terry Manderson</a> Tim Chown
---	---------------------	-------------------	---

# Goals for the session

- The goals of this session are to:
  - Finalise the submission of the DNS-SD Discovery Proxy and DNS Push documents to the IESG
    - Though we still have a dependency on the DNS Session Signal draft over in the dnsop WG
  - Discuss DNS-SD Privacy (and WGLC outcome), and the associated device pairing draft
  - Discuss first drafts of future work agreed at IETF98
    - DNS-SD Roadmap, etc
  - Discuss DNS-SD/CoRE RD interoperability

# Agenda bashing

Chairs' Introduction      Chairs, 5 mins

DNS-SD Privacy drafts      Christian Huitema, 20 mins  
<https://tools.ietf.org/html/draft-ietf-dnssd-privacy-02>  
<https://tools.ietf.org/html/draft-ietf-dnssd-pairing-02>

DNS-SD Update and New Work Items      Stuart Cheshire, 30 mins  
<https://tools.ietf.org/html/draft-cheshire-dnssd-roadmap-00>  
<https://tools.ietf.org/html/draft-sctl-service-registration-00>  
<https://tools.ietf.org/html/draft-sctl-discovery-broker-00>  
<https://tools.ietf.org/html/draft-cheshire-edns0-owner-option-01>  
To be written: DNS-SD Advertising Proxy, Zone Stitching

Multicast DNS Discovery Proxy      Ted Lemon, 15 mins  
<https://tools.ietf.org/html/draft-sctl-dnssd-mdns-relay-00>

DNS-SD / CoRE RD interoperability discussion      Kerry Lynn, 15 mins  
<https://tools.ietf.org/html/draft-ietf-core-rd-dns-sd-00>

Summary of actions and close      Chairs, 5 mins

# Discovery (Hybrid) Proxy draft

The -06 update has been published

Largely replacing 'Hybrid Proxy' with 'Discovery Proxy'

<https://tools.ietf.org/html/draft-ietf-dnssd-hybrid-06>

Shepherd write-up done; ready to go to IESG

Two points left to address:

- 1) Reference to .home (should be .home.arpa)
- 2) IPR statement – apparently withdrawn

<https://datatracker.ietf.org/ipr/2119/>



# DNS Push

Ran a WGLC on the -10 version; now at -12 and considered done  
Tim Wicinski kindly agreed to be the document shepherd

Added new text in -12 in section 6.1:

**“ The client begins by opening a DNS Session to its normal configured DNS recursive resolver** and requesting a Push Notification subscription. If this is successful, then the recursive resolver will make appropriate Push Notification subscriptions on the client's behalf, and the client will receive appropriate results. If the recursive resolver does not support Push Notification subscriptions, then it will return an error code, and the client should proceed to discover the appropriate server to talk to directly.”

# Discussion

- DNS-SD Privacy and Device Pairing (Christian)
- DNS-SD update and new work items (Stuart)
- Multicast DNS discovery proxy (Ted)
- DNS-SD / CoRE RD interop (Kerry)

# Summary of actions

- Recap of agreed actions