

# dnssd WG

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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:
  - <http://etherpad.tools.ietf.org:9000/p/notes-ietf-98-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/96/materials.html/#dnssd>
  -
- Mail list:
  - dnssd@ietf.org
  - To join: <https://www.ietf.org/mailman/listinfo/dnssd>

# Document statuses

Document	Date	Status	IPR	AD / Shepherd
<b>Active Internet-Drafts</b>				
<a href="#">🔖</a> <a href="#">i</a> <a href="#">draft-ietf-dnssd-hybrid-06</a> <b>Discovery Proxy for Multicast DNS-Based Service Discovery</b>	2017-03-13 37 pages <span>New</span>	I-D Exists WG Document <i>May 2017, Mar 2014</i>	1	
<a href="#">🔖</a> <a href="#">i</a> <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	AD Evaluation <span>for 27 days</span> Submitted to IESG for Publication: Informational Reviews: intdir, iotdir, opsdir <i>Sep 2015, Mar 2014</i>		Terry <a href="#">Manderson</a> Suzanne Woolf
<a href="#">🔖</a> <a href="#">i</a> <a href="#">draft-ietf-dnssd-pairing-01</a> <b>Device Pairing Using Short Authentication Strings</b>	2017-03-07 22 pages	I-D Exists WG Document Reviews: secdir		
<a href="#">🔖</a> <a href="#">i</a> <a href="#">draft-ietf-dnssd-privacy-01</a> <b>Privacy Extensions for DNS-SD</b>	2017-03-10 23 pages	I-D Exists WG Document		
<a href="#">🔖</a> <a href="#">i</a> <a href="#">draft-ietf-dnssd-push-10</a> <b>DNS Push Notifications</b>	2017-03-13 36 pages <span>New</span>	I-D Exists In WG Last Call: Proposed Standard <i>Aug 2015</i>		
<b>RFC</b>				
<a href="#">🔖</a> <a href="#">i</a> <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	1	Terry <a href="#">Manderson</a> Tim Chown

# 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

<https://tools.ietf.org/html/draft-ietf-dnssd-push-10>

(and accompanying <https://tools.ietf.org/html/draft-ietf-dnsop-session-signal-02> in dnsop WG)

DNS-SD Discovery Proxy Stuart Cheshire, 5 mins

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

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

<https://tools.ietf.org/html/draft-ietf-dnssd-privacy-01>

Device Pairing Using Short Authentication Strings Christian Huitema, 10 mins

<https://tools.ietf.org/html/draft-ietf-dnssd-pairing-01>

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

<https://github.com/pusateri/draft-pusateri-hybridproxy-impl/blob/master/draft-pusateri-dnssd-hyp-impl.txt>

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

<https://tools.ietf.org/html/draft-tldm-simple-homenet-naming-00>

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

<https://tools.ietf.org/html/draft-lemon-stateful-dnssd-00>

DNS-SD in IoT (and constrained network environments) Ines Robles and Peter van der Stok, 10 mins

Date	↕ Milestone
Mar 2018	Submit DNS-SD Deployment for campus/enterprise networks draft to the IESG as a BCP document
Dec 2017	Submit DNS-SD Advertising Proxy draft to the IESG as Standards Track RFC
Sep 2017	Submit Device Pairing Using Short Authentication Strings draft to the IESG as Standards Track RFC
Sep 2017	Submit Privacy Extensions for DNS-SD draft to the IESG as Standards Track RFC <a href="#">draft-ietf-dnssd-privacy</a>
Jul 2017	Adopt DNS-SD Advertising Proxy draft as a WG document
Jul 2017	Adopt hybrid-proxy implementation draft as WG document
May 2017	Submit DNS Push draft to the IESG as Standards Track RFC <a href="#">draft-ietf-dnssd-push</a>
May 2017	Submit wide-area service discovery solution draft to the IESG as Standards Track RFC <a href="#">draft-ietf-dnssd-hybrid</a>
<b>Done</b>	Adopt device pairing mechanism draft as a WG document <a href="#">draft-ietf-dnssd-pairing</a>
<b>Done</b>	Adopt privacy extensions for DNS-SD draft as a WG document <a href="#">draft-ietf-dnssd-privacy</a>
<b>Done</b>	Submit the zeroconf and unicast DNS "problems and challenges" draft to the IESG as Informational <a href="#">draft-ietf-dnssd-mdns-dns-interop</a>
<b>Done</b>	Confirm long-lived queries draft as WG document <a href="#">draft-ietf-dnssd-push</a>
<b>Done</b>	Adopt Informational document on the problems and challenges arising for zeroconf and unicast DNS name services <a href="#">draft-ietf-dnssd-mdns-dns-interop</a>
<b>Done</b>	Adopt wide-area service discovery solution draft as WG document <a href="#">draft-ietf-dnssd-hybrid</a>
<b>Done</b>	Submit requirements draft to the IESG as an Informational RFC <a href="#">draft-ietf-dnssd-requirements</a>
<b>Done</b>	Adopt requirements draft as WG document <a href="#">draft-ietf-dnssd-requirements</a>
<b>Done</b>	Formation of the WG



# 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 through 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)

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

# 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/ith8SWVyYsJLwegnndWO9Q58BsM](https://mailarchive.ietf.org/arch/msg/dnssd/ith8SWVyYsJLwegnndWO9Q58BsM)

# Privacy Extensions for DNS-SD

Christian Huitema

<https://tools.ietf.org/html/draft-ietf-dnssd-privacy-01>

# Device Pairing Using Short Authentication Strings

Christian Huitema

<https://tools.ietf.org/html/draft-ietf-dnssd-pairing-01>

# DNS-SD BCP for enterprises?

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

Initial work done by Ralph Droms and Tom Pusateri

[https](https://github.com/pusateri/draft-pusateri-hybridproxy-impl/blob/master/draft-pusateri-dnssd-hyp-impl.txt)

[://github.com/pusateri/draft-pusateri-hybridproxy-impl/blob/master/draft-pusateri-dnssd-hyp-impl.txt](https://github.com/pusateri/draft-pusateri-hybridproxy-impl/blob/master/draft-pusateri-dnssd-hyp-impl.txt)

Such deployment guidance would be very useful

Additional authors welcomed

# Ted Lemon's drafts

Simple Homenet Naming and Service Discovery  
Architecture

Ted Lemon

<https://tools.ietf.org/html/draft-tldm-simple-homenet-naming-00>

Stateful Multi-Link DNS Service Discovery

Ted Lemon

<https://tools.ietf.org/html/draft-lemon-stateful-dnssd-00>

# 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