

DNSSD WG

Extensions for Scalable DNS Service Discovery Working Group

Chairs:

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Tim Wicinski deputizing for Tim Chown

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

BCP 9 (Internet Standards Process), BCP 25 (Working Group processes, Anti-Harassment Procedures)
BCP 54 (Code of Conduct), BCP 78 (Copyright), BCP 79 (Patents, Participation)
<https://www.ietf.org/privacy-policy/> (Privacy Policy)

Reminders

- Please state your name at the microphone
- Please review documents and send feedback

Thanks Tim Chown

- Tim stepping down as co-chair
- If you would like to apply for position, please contact us
 - dnssd-chairs@ietf.org
 - dnssd-ads@ietf.org

Minutes and Jabber

- Minute Taker
 - Barbara Stark
 - <https://etherpad.tools.ietf.org/p/notes-ietf-102-dnssd>
- Jabber Relay
 - Volunteer please?
 - <xmpp:dnssd@jabber.ietf.org?join>
 - <https://www.meetecho.com/ietf102/dnssd/>

Useful Links

- Charter
 - <https://datatracker.ietf.org/wg/dnssd/charter/>
- Draft Status Pages
 - <https://datatracker.ietf.org/wg/dnssd/documents/>
- Meeting Materials
 - <https://datatracker.ietf.org/meeting/102/materials.html/#dnssd>
- Mailing List
 - dnssd@ietf.org
 - To join: <https://www.ietf.org/mailman/listinfo/dnssd>

Document Status

Document	Date	Status	IPR	AD / Shepherd
Active Internet-Drafts (7 hits)				
draft-cheshire-dnssd-roadmap-01 Service Discovery Road Map	2018-03-21 19 pages	I-D Exists Adopted by a WG		
draft-ietf-dnssd-hybrid-08 Discovery Proxy for Multicast DNS-Based Service Discovery	2018-03-21 37 pages	IESG Evaluation::AD Followup for 224 days Submitted to IESG for Publication: Proposed Standard Reviews: genart, iotdir, opsdir, secdir Mar 2014, May 2017		1 Terry Manderson Tim Chown
draft-ietf-dnssd-mdns-relay-01 Multicast DNS Discovery Relay	2018-07-02 29 pages New	I-D Exists In WG Last Call		
draft-ietf-dnssd-pairing-04 Device Pairing Using Short Authentication Strings	2018-04-21 11 pages	I-D Exists WG Document: Proposed Standard Reviews: secdir Oct 2016		
draft-ietf-dnssd-pairing-info-01 Device Pairing Design Issues	2018-04-21 17 pages	I-D Exists WG Document		
draft-ietf-dnssd-privacy-04 Privacy Extensions for DNS-SD	2018-04-19 25 pages	I-D Exists Waiting for WG Chair Go-Ahead: Proposed Standard Sep 2017, Oct 2016		
draft-ietf-dnssd-push-14 DNS Push Notifications	2018-03-21 35 pages	I-D Exists Held by WG: Proposed Standard		Tim Wicinski
Related Internet-Drafts (7 hits)				
draft-eckert-anima-grasp-dnssd-01 DNS-SD compatible service discovery in GRASP	2018-07-01 16 pages New	I-D Exists		
draft-huitema-dnssd-prireq-00 DNS-SD Privacy and Security Requirements	2018-06-30 15 pages New	I-D Exists Call For Adoption By WG Issued		
draft-huitema-dnssd-privacyscaling-01 DNS-SD Privacy Scaling Tradeoffs	2018-06-30 13 pages New	I-D Exists Call For Adoption By WG Issued		
draft-ietf-core-rd-dns-sd-02 CoRE Resource Directory: DNS-SD mapping	2018-07-02 12 pages New	I-D Exists WG Document		
draft-ietf-dnsop-session-signal-11 DNS Stateful Operations	2018-07-02 53 pages New	IESG Evaluation for 8 days IESG telechat: 2018-08-02 Submitted to IESG for Publication: Proposed Standard Reviews: genart, opsdir, secdir, tsvart		Warren Kumari Tim Wicinski
draft-sctl-service-registration-01 Service Registration Protocol for DNS-Based Service Discovery	2018-07-02 10 pages New	I-D Exists Call For Adoption By WG Issued		
draft-sctl-discovery-broker-00 Service Discovery Broker	2017-07-03 10 pages	Expired		

Goals for Today's Session

- Discuss status for Discovery Proxy, DNS Push, Session Signaling
- Discuss mDNS relay and service registration
- Investigate partnership with CoRE
- Review how new drafts fit together
- Reach consensus on requirements for DNSSD privacy

Agenda Bashing

Discovery Proxy -- Stuart Cheshire -- 15 mins

- draft-ietf-dnsop-session-signal (DNS Stateful Operations)

- Awaiting shepherd writeup and IESG decision

- draft-ietf-dnssd-push (DNS Push)

- Currently held by working group, discuss next steps

- draft-ietf-dnssd-hybrid (Discovery Proxy)

- Approved by IESG, waiting for DNS Stateful Operations and DNS Push

Discovery Relay -- Ted Lemon -- 15 mins

- draft-ietf-dnssd-mdns-relay

- Working group document, discuss starting working group last call

Service Registration -- Ted Lemon -- 15 mins

- draft-sctl-service-registration

- Individual draft, discuss adoption

CoRE Resource Directory DNSSD Mapping -- Kerry Lynn -- 15 mins

- draft-ietf-core-rd-dns-sd

- CoRE working group document, asking for input from DNSSD

Privacy -- Chairs -- 50 mins

- Discuss adoption and aim to reach consensus on way forward

- draft-ietf-dnssd-privacy (Privacy Extensions)

- draft-huitema-dnssd-prireq (Privacy and Security Requirements)

- draft-huitema-dnssd-privacyscaling (Privacy Scaling Tradeoffs)

- draft-ietf-dnssd-pairing (Short Authentication Strings)

- draft-ietf-dnssd-pairing-info (Pairing Design Issues)

Rechartering -- Chairs & Tom Pusateri -- 30 mins

Using GitHub

- Is there interest in having a Github repository for drafts that is maintained by the working group?

Rechartering

- Go over current charter
- Presentation from Tom Pusateri
- Discuss new additions

Current Charter

- Background
 - DNSSD mostly used for local link
 - Emerging use-cases for remote links, both zeroconf and managed
- Working Group Description
 - Focus of WG is creating a scalable solution
 - Strive for backwards compatibility with mDNS
 - New solutions must not conflict with other SD protocols (UPnP, LLMNR)
 - Consider security implications of allowing remote discovery
- Working Group Goals:
 - 1. List requirements for these scenarios:
 - (A) Personal area networks (one laptop and one printer)
 - (B) Home networks (homenet WG)
 - (C) Wireless 'hotspot' networks
 - (D) Enterprise networks
 - (E) Mesh networks
 - Facilitate SD on those networks, from inside and outside
 - Define and discover discovery scopes (room, building, etc.)
 - 2. Develop a scalable SD solution for scenarios above
 - 3. Document coexistence with global DNS, collaborate with homenet

