DNSSD WG

Extensions for Scalable DNS Service Discovery
Working Group

Chairs:
Tim Chown — tim.chown@jisc.ac.uk
David Schinazi — dschinazi@apple.com
Tim Wicinski deputizing for Tim Chown
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

- Jabber Relay
  - Tim Wattenberg
  - 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

### Active Internet-Drafts (7 hits)

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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-dnssop-session-signal (DNS Stateful Operations)
   Waiting 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-sctlv-service-registration
   Individual draft, discuss adoption

CoRE Resource Directory DNSSD Mapping -- Kerry Lynn -- 15 mins
   draft-ietf-core-rd-dns-std
   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-hui-privacy-dnssd-pireq (Privacy and Security Requirements)
   draft-hui-privacy-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