dnsssd WG

IETF 88
Vancouver
8th November 2013
Note Well

This summary is only meant to point you in the right direction, and doesn't have all the nuances. The IETF's IPR Policy is set forth in BCP 79; please read it carefully.

The brief summary:

- By participating with the IETF, you agree to follow IETF processes.
- If you are aware that a contribution of yours (something you write, say, or discuss in any IETF context) is covered by patents or patent applications, you need to disclose that fact.
- You understand that meetings might be recorded, broadcast, and publicly archived.

For further information, talk to a WG chair, ask an Area Director, or review the following:
BCP 9 (on the Internet Standards Process)
BCP 25 (on the Working Group processes)
BCP 78 (on the IETF Trust)
BCP 79 (on Intellectual Property Rights in the IETF)
Agenda

Administrivia Chown/Droms 15 minutes
Introduction and Note Well
Agenda bashing; blue sheets; scribe; Jabber scribe
Announce WG formation and review charter

Interaction with homenet WG 05 minutes

Requesting a TLD for scalable DNS 15 minutes

Requirements draft Lynn/Cheshire 40 minutes
<draft-lynn-dnssd-requirements-00>

Using Labels with DNS-SD Sullivan 10 minutes
<draft-sullivan-dnssd-label-miprofile-00>

Initial architecture discussion 15 minutes

Organization and responsibility for documents 10 minutes

Next steps and WG planning 10 minutes
WG formation

• The dnssd WG was announced on 25th October 2013
  – “Extensions for Scalable DNS Service Discovery”, in Internet Area
  – Many thanks to all who contributed to both BoFs, and on the mail list

• Chairs:
  – Ralph Droms (rdroms.ietf@gmail.com)
  – Tim Chown (tjc@ecs.soton.ac.uk)

• Mail list:
  – dnssd@ietf.org
  – To join: [https://www.ietf.org/mailman/listinfo/dnssd](https://www.ietf.org/mailman/listinfo/dnssd)
  – The old mdnsext list archive remains
dnsssd charter

• Went through some revisions during review
  – Steer from IETF87 was to focus on service discovery
    • But documenting any naming issues arising is in scope
    • With resolution to be taken to other existing WGs

• The final version of the Charter is at
WG Goals - #1

1. To document a set of requirements for scalable, autonomous DNS-based service discovery in routed, multi-link networks in the following five scenarios:
   – Personal area networks
     • e.g. laptop and printer, possibly no external connectivity
   – Home networks, as envisaged by homenet WG
   – Wireless ‘hotspot’ networks
     • Including those such as the IETF meeting network
   – Enterprise networks
     • Larger routed networks, administrative domains
   – Mesh networks

And it is desirable to be able to discover services in ‘home’ site while away from it
WG Goals - #2

2. To develop an improved, scalable solution for service discovery that can operate in multi-link networks, where devices may be in neighboring or non-neighboring links, applicable to the scenarios above. The solution will consider tradeoffs between reusing/ extending existing protocols and developing entirely new protocols.

The solution should include documentation or definition of the interfaces that can be implemented, separately to transport of the information.
WG Goals - #3

3. To document challenges and problems encountered in the coexistence of zero configuration and global DNS name services in such multi-link networks, including consideration of both the name resolution mechanism and the namespace.
Some points from the charter

• As a reminder:
  – Highly desirable any new solution is backwardly compatible with existing mDNS/DNS-SD deployments
    • And must not conflict with other zeroconf service and naming protocols; integration with these is out of scope
  – Will consider security and privacy concerns
  – Desirable that multiple service discovery scopes are supported
    • For discovery and announcement
    • And being able to discover and enumerate the scopes
    • Scope may have no correlation to network topology
  – We encourage all WG participants to read the charter!
Topics for this session:

• As per agenda:
  – Interaction with homenet
  – Reserving (or not) a TLD for scalable DNS SD
  – Requirements draft
    • Is it ready for adoption by the WG?
  – Using Labels with DNS SD
  – Initial architecture discussion
  – Organisation and responsibility for documents
  – Next steps