dnssd 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

Administravia   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
  - http://www.ietf.org/mail-archive/web/ietf-announce/current/msg12051.html
  - "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
  - The old mdnsext list archive remains

dnssd 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
  - https://datatracker.ietf.org/doc/charter-ietf-dnssd/

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