Detecting Network Attachment (DNA) BoF
IETF 58

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Detecting Network Attachment 2nd BoF

- Wireless Connectivity for IP hosts: attachment point can change
- Hosts can determine if config should be initiated using DNA
- (IPv6) Fast configuration of addresses (DAD opt)
- Catalogue link-layer hints available to DNA
- BoF homepage online at http://www.ctie.monash.edu.au/dna/
  - Charter Description
  - Mailing list archives
  - Links to documents
  - Slide presentations (IETF 57/58)

Session Agenda: (60 Minutes total)

- Intro and Agenda Bash (5 Minutes)
- Status Reports (45 Minutes total)
- BoF Status Discussion (Led by Chair(s): 15 Minutes)

Status Reports (45 Minutes total)

- Detection of Network Attachment (DNA) in IPv4 (5 + 5 Min)
  - (Bernard Aboba) DHC WG Draft
  - draft-ietf-dhc-dna-ipv4-03.txt
  - status update/recent developments
- Detecting Network Attachment in IPv6 Problem Statement (5 + 5 Min)
  - (JinHyeock Choi, Greg Daley)
  - http://www.ctie.monash.edu.au/ipv6/draft-jinchoi-dna-dnav6-prob-00.txt
- IPv6 DAD Optimization Goals and Requirements (5 + 5 Min)
  - Soohong Daniel Park
  - draft-park-dna-ipv6dadopt-requirement-01.txt

Status Reports (continued)

- Parameters for Link Hints (5 Min)
  - N. Montavont
  - http://www.ietf.org/internet-drafts/draft-bertin-hints-params-00.txt
- Link-layer Hints for Detecting Network Attachments (5 Min)
  - Alper Yegin
  - http://www.ietf.org/internet-drafts/draft-yegin-dna-l2-hints-00.txt
- Link Hints Discussion (5 Min)

BoF Status Discussion (15 Minutes)

- Overview
- Document Progress
- Charter Discussion
- Futures (2nd BoF!)

Document Progress

- DNA Terminology Definition
  - (goal: info, initial by IETF58) Now IETF59
- Catalogue Existing IPv4 Attachment Detection Systems
  - (goal: info, initial by IETF58) DNAv4 to DHC
- Define IPv4 Attachment Detection Requirements
  - (goal: info, initial by IETF59) DNAv4 to DHC
- Define IPv4 Attachment Detection specification
  - (goal: info/BCP, initial by IETF59) DNAv4 to DHC

Document Progress

- Define IPv6 Attachment Detection Problem Scope
  - (goal: info, initial by IETF58) status: needs initial review
- Define IPv6 Attachment Detection Requirements
  - (goal: info, initial by IETF59)
- Define IPv6 Attachment Detection specification
  - (goal: PS/BCP, initial by IETF59)

Document Progress

- Define IPv6 DAD Optimization Goals
  - (goal: info, initial by IETF58/59) status: needs initial review
  - DNA or IPv6?
- Define IPv6 DAD Optimization Specification
  - (goal: PS?, initial by IETF59/60)
  - DNA or IPv6?
- Existing Wireless Link Hints for Detecting Network Attachment
  - (goal: info, initial by IETF58) status: needs initial review

Charter Discussion: DAD optimization

- Where should IPv6 DAD optimization be done:
  - DNA
  - IPv6

WG Formation?

- Review of charter underway
- Incorporating AD comments
- Model based on discussion
- Interest sufficient?

Charter Discussion: Link Hints (spare)

- Is it useful to describe existing Link Hints in DNA?
  - Yes, describe existing hints in DNA.
  - No, don’t describe existing hints in DNA.

Charter Discussion: DNAv6 (spare) (1)

- Do you want to see standardization of DNA procedures for IPv6?
  - Yes
  - No

Charter Discussion: DNAv6 (spare) (2)

- Would you work on Detecting Network Attachment for IPv6 drafts
- *contribute text/review?*
  - Yes
  - No