

News from the SPEERMINT Working Group



Agenda

- History
- Charter/Mission
- Current Events
- Q & A

History

- In early 2005, I began discussions with the IETF's Transport Area Directors about whether we could do some useful work in the VoIP peering area

- Challenging for the IETF, as
 - We haven't done much in the way of "architectures"
In some sense, the IETF does "building blocks"
 - Lots of other work in this area as well...
ATIS, 3GPP, Cablelabs, ...

- In any event, we worked on a charter, held a few BOFs, changed names a few times, and...

History, cont

- Wound up with SPEERMINT
 - Session PEERing for Multimedia INTERconnect
 - Note that SPEERMINT is chartered in the new Real-time Applications and Infrastructure (RAI) Area

- SPEERMINT generalized VOIPEER to cover SIP based Multimedia Interconnect
 - Jason Livingood and I are co-chairs

- So what work is SPEERMINT chartered to do?
 - see <http://www.ietf.org/html.charters/speermint-charter.html>

SPEERMINT Charter -- Division of Labor

E.164 number <--- Peer Discovery

| <--- ENUM lookup of NAPTR in DNS

| ENUM Working Group Scope

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| SPEERMINT Working Group Scope

SIP URI <--- Call Routing Data (CRD)

| <--- Service Location (Lookup of SRV in DNS)

Hostname <--- Addressing and session establishment

| <---- Lookup of A and AAAA in DNS

IP address

| <---- Routing protocols, ARP etc

Mac-address

SPEERMINT Charter

- SPEERMINT focuses architectures to identify, signal, and route delay-sensitive (real-time) communication sessions.
 - These sessions use the SIP signaling protocol to enable peering between two or more administrative domains over IP networks.
- Note that where these domains peer, or meet, the establishment of trust, security, and a resistance to abuse and attack are in scope.

So what is "Peering" anyway?

- SIP peering is defined to be a layer 5 peering between two administrative domains for purposes of routing real-time (or quasi-real time) session signaling between their respective customers.
 - Note that media streams associated with this signaling (if any) are not constrained to follow the same set of paths.

- BTW, what is "Layer 5"?
 - and does it include "Layer 3"?

- draft-ietf-speermint-reqs-and-terminology-01.txt
 - Soon to be draft-ietf-speermint-terminology-00.txt

Current Events

- SPEERMINT WG was chartered, and met at IETF65 in Dallas
- However...
- Lots of discussion about the charter (on the list, at the meeting), specifically around
 - How much should we be considering L3
 - Private v. Public "Internets"
 - Policy
 - SBC
 - ...

Current Events, cont

- That said, first deliverables are:

- Terminology

- draft-ietf-speermint-reqs-and-terminology-01.txt

- Soon to be draft-ietf-speermint-terminology-00.txt

- Requirements

- We have some initial work here, but its early on

- Then on to use cases (architectures)

Q & A

- BTW, the SPEERMINT mailing list is on
 - speermint@ietf.org
 - subscribe on speermint-request@ietf.org
with the word subscribe in the body

Thanks!