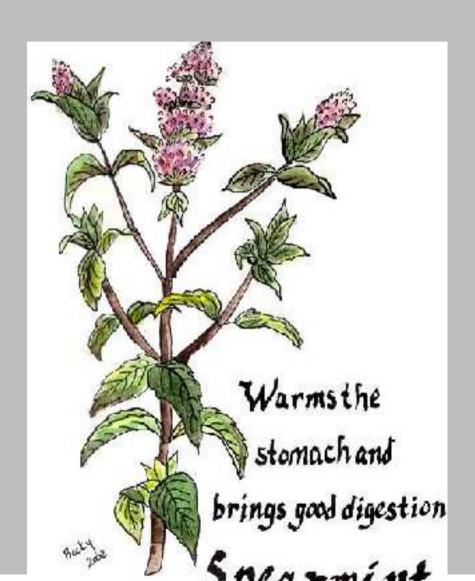
News from the SPERMINT Working Group



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 charted 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
   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)

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

Thanks!