SIP Over IPv6 Task Group

Group chartered to evaluate current best practices and enable and promote migration to SIP over IPv6

draft-klatsky-dispatch-ipv6-impact-ipv4

Full charter and mailing list: http://www.sipforum.org/content/view/398/286/.

SIP FORUM

SIP Over IPv6 Task Group

❖ Task Group Goals Include:

1. **Evaluate** current technologies and strategies for IPv4/IPv6 co-existence and **identify** impacts of these technologies on SIP-based networks and the user experience.

2. Identify areas where existing standards for SIP over IPv6 and dual stack are inadequate or non-existent.

3. Provide direction and technical leadership in resolving problems related to SIP when using IPv6, or co-existence technologies.

4. Develop recommendations to standards organizations based on research, discoveries and suggested courses of action to remedy deficiencies uncovered by the SIP over IPv6 task group.

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draft-klatsky-dispatch-ipv6-impact-ipv4

❖ Impacts of IPv6 Interworking with Existing IPv4 SIP Implementations.

  ➢ Recognizes that SIP IPv4 only devices may be impacted by IPv6 devices in the network.

  ➢ Provides some examples of what IPv4 only implementations need to be able to handle.

  ➢ Provides some implementation guidelines.

  ➢ Not a complete list but you can provide input.

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Examples of how IPv4 only SIP devices are impacted.

❖ **SIP headers may contain IPv6 addresses.**
  ➢ Via, Record-Route, From, To, Contact etc.

❖ **SDP Bodies may contain IPv6 addresses.**
  ➢ o= line, c= line, a= line (ICE candidates) etc.
  ➢ May contain only IPv6 (Unsupported Address procedures).

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Examples of how IPv4 only SIP devices are impacted.

❖ **Event Packages.**
  ➢ Reginfo – When multiple UA's registered.

❖ **Redirection and Transfer.**
  ➢ 302 Responses, REFER etc.

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Further Work.

❖ Happy Eyeballs for SIP

  ➢ DNS procedures for dual stack SIP devices.

❖ SIPconnect1.1 – SIP Trunking.

❖ SIPIT.

  ➢ Interoperability testing.

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Participate.

❖ Provide comments and suggestions on http://tools.ietf.org/html/draft-klatsky-dispatch-ipv6-impact-ipv4-01.

❖ Join the SIP Forum mailing list.

➢ http://www.sipforum.org/content/view/398/286/

❖ SIPIT.

➢ Interoperability testing.

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