

IPv6 WORKING GROUP (IPv6 a.k.a. IPNGWG)

August 2001
London IETF

Bob Hinden / Nokia
Steve Deering / Cisco Systems
Co-Chairs

SESSIONS

- IPng Working Group Sessions
 - Wednesday, 1300-1500 (King's Suite/Balmoral 2)
 - Friday, 0900-11:30 (King's Suite/Balmoral 2)
- Other IPng Related Sessions
 - Joint DNSEXT & NGTRANS
 - Monday, 1530-1730 (King's Suite/Balmoral 2)
 - NGTRANS
 - Tuesday, 0900-1130, (King's Suite/Balmoral 2)
 - Multi6
 - Tuesday, 1300-1400 (Palace Suite/Blenheim)

AGENDA (WEDNESDAY)

- Introduction / Steve Deering (5 min)
- Review Agenda / Steve Deering (5 min)
- Document & Charter Status / Bob Hinden (10 min)
- 3GPP-IETF Design Team Status / Bob Hinden (10 min)
- Multilink Subnets / Dave Thaler (20 min)
<draft-thaler-ipngwg-multilink-subnets-01.txt>
- Requirements for IPv6 dialup operation / Jun-ichiro itojun Hagino (15 min)
<draft-itojun-ipv6-dialup-requirement-01.txt>
- Avoiding ping-pong packets on point-to-point links / Jun-ichiro itojun Hagino (10 min)
<draft-ietf-ipngwg-p2p-pingpong-00.txt>
- DHCPv6 Status and Last Call / Ralph Droms (10 min)
- Minimum IPv6 Functionality for a Cellular Host / John Loughney (25 min)
<draft-manyfolks-ipv6-cellular-host-00.txt>
- AAAv6 Status / Charlie Perkins (5 min)
<draft-perkins-aaav6-04.txt>

AGENDA (FRIDAY)

- IPv6 Site Renumbering / Christian Huitema (20 min)
<draft-huitema-ipv6-renumber-00.txt>
- Source/Destination Address Selection / Brian Zill (15 min)
<draft-ietf-ipngwg-default-addr-select-05.txt>
- Domain Name Auto-Registration for Plugged-in IPv6 Nodes / Hiroshi Kitamura (15 min)
<draft-kitamura-ipv6-name-auto-reg-00.txt>
- A proposal for the IPv6 Flow Label Specification / Alex Conta (30 min)
<draft-conta-ipv6-flow-label-02.txt>
- DNS Discovery / Dave Thaler (20 min)
<draft-ietf-ipngwg-dns-discovery-01.txt>
<draft-ietf-ipngwg-dns-discovery-analysis-00.txt>
- An analysis of IPv6 anycast / Jun-ichiro itojun Hagino (10 min)
<draft-ietf-ipngwg-ipv6-anycast-analysis-00.txt>

AGENDA (FRIDAY CONT.)

- Disconnecting TCP connection toward IPv6 anycast address / Jun-ichiro itojun Hagino (10 min)
<draft-itojun-ipv6-tcp-to-anycast-01.txt>
- IPv6 MIB Update Status / Bill Fenner (15 min)
<draft-ietf-ipngwg-rfcnnnn-update-00.txt> nnnn=2096,2011,2012,2013
- Socket API for IPv6 traffic class field / Jun-ichiro itojun Hagino (5 min)
<draft-itojun-ipv6-tclass-api-03.txt>
- Status of Linux and USAGI IPv6 / Hideaki Yoshifuji (5 min)

DOCUMENT STATUS

- RFC's Published
 - RFC3122 Extensions to IPv6 Neighbor Discovery for Inverse Discovery Specification (Proposed Standard)
- IESG Approved
 - Transmission of IPv6 Packets over IEEE 1394 Networks (Proposed Standard)

DOCUMENT STATUS

- IETF Last Call completed
 - RFC2372 IP Version 6 Addressing Architecture (Draft Standard)
 - *New version submitted (-06), waiting for IESG response*
 - RFC2374 An IPv6 Aggregatable Global Unicast Address Format (Draft Standard)
 - *Revision underway*
 - IPv6 Node Information Queries (Proposed Standard)
 - *Updated draft issued, new IETF last call will be started*

DOCUMENT STATUS

- Submitted to the IESG
 - Unicast-Prefix-based IPv6 Multicast Addresses (Proposed)
 - *In IETF Last Call*
 - A flexible method for managing the assignment of bits of an IPv6 address block (Informational)
 - *Undergoing IESG review, some comments expected*
 - IPv6 multihoming support at site exit routers (Info)
 - *Pseudo-last call in Multi6, then to IESG*
 - IPv6 Multihoming with Route Aggregation (Info)
 - *Contact author, submit to Multi6*

DOCUMENT STATUS

- IPng Working Group Last Call Completed
 - Default Address Selection for IPv6
 - New draft based on w.g. comments
 - Open issue standard track, Must/Should, etc.
 - Basic Socket Interface Extensions for IPv6 (Info)
 - On hold for updates based on last call comments
- Documents Ready for Working Group Last Call
 - Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification (DRAFT)
<draft-ietf-ipngwg-icmp-v3-01.txt>

DOCUMENT STATUS

- IPng Working Group Documents Ready for Draft Standard
 - IPv6 over Ethernet
 - IPv6 over FDDI
 - IPv6 over Token Ring
 - IPv6 over ARCNET
 - IPv6 over PPP
- Implementation reports for candidates for Draft Standard needed

<http://playground.sun.com/pub/ipng/implementation-reports/templates/>

NEW CHARTER STATUS

- Revised charter submitted to IESG
- New Charter approved!
 - Official announcement after London IETF
- Working group name changed from:
IP Next Generation (IPNG) to
IP Version 6 (IPv6)
- Updated work items, milestones, etc.

WORK ITEMS

- Revise and advance to Draft Standard the IPv6 Address Architecture document [RFC 2373]
- Revise IPv6 Aggregatable Unicast Addresses [RFC 2374], removing the policy aspects that are considered RIR issues.
- Complete work on recommended address-selection algorithms
- Revise ICMPv6 spec [RFC 2463] (scope-exceeded err, no error to redirect, editorial)
- Revise Generic Tunneling spec [RFC 2473] (add bidirectional tunnels)
- Update Basic and Advanced API specs [RFC 2553, RFC 2292]
- Complete Scoped Address Architecture spec and any necessary revisions to other working group drafts required to properly implement support for IPv6 address scoping
- Work on host-based solutions to site-multihoming problems (in coordination with multi6)
- Complete work on local IPv6 networking as part of IPv6 plug-and-play (to be coordinated with other WGs as appropriate, e.g., dnsext, zeroconf, etc.)
- Document IPv6 renumbering model
- Complete the IPv6 Node Information Queries spec
- Revise and update the base IPv4/IPv6 MIBs and produce a new consistent set of MIBs that cover IPv4 and IPv6 together

GOALS AND MILESTONES

- Jun 2001 Revise IPv6 Address Architecture and resubmit to IESG for Draft Standard
- Jul 2001 Revise IPv6 Aggregatable Unicast Addresses and submit to IESG
- Jul 2001 Resubmit the IPv6 Node Information Queries spec
- Aug 2001 Complete Address Selection specification and submit for Proposed Standard
- Dec 2001 Update ICMP document and resubmit for Draft Standard
- Dec 2001 Complete DNS Discovery draft and submit for Proposed Standard
- Dec 2001 Update Generic Tunneling specification and resubmit for Proposed Standard
- Dec 2001 Complete updates to Basic and Advanced API specifications and submit for Informational
- Mar 2002 Complete Scoped Address Architecture and submit for Proposed Standard
- May 2002 Submit document describing IPv6 renumbering model for Informational.

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