

IPv6 WORKING GROUP

December 2001
Salt Lake City IETF

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

SESSIONS

- IPng Working Group Sessions
 - Tuesday, 0900-11:30 (Grand A)
 - Thursday, 0900-11:30 (Grand A)
- Other IPng Related Sessions
 - NGTRANS
 - Thursday, 1530-1730, (Grand C)
 - Friday, 0900-11:30 (Grand A)
 - Multi6
 - Tuesday, 1415-1515 (Grand B)
 - VRRP
 - Tuesday, 1300-1400 (Imperial D)

AGENDA (TUESDAY)

- Introduction & Review Agenda, Steve Deering, 10 min.
- Document Status, Bob Hinden, 15 min.
- Default Address Selection for IPv6, Rich Draves, 15 min.
<draft-ietf-ipngwg-default-addr-select-06.txt>
- Default Router Preferences and More-Specific Routes, Rich Draves, 15 min.
<draft-ietf-ipngwg-router-selection-00.txt>
- IPv6 Host to Router Load Sharing, Bob Hinden, 15 min.
<draft-hinden-ipv6-host-load-sharing-01.txt>
- Redundant Address Deletion when Encapsulating IPv6 in IPv6, Steve Deering, 15 min.
<draft-deering-ipv6-encap-addr-deletion-00.txt>

AGENDA (TUESDAY CONT.)

- The IPv6 Payload Header, Francis Dupont, 10 min.
<draft-dupont-ipv6-payload-00.txt>
- Scoped Address Architecture, Tatuya Jinmei, 10 min.
<draft-ietf-ipngwg-scoping-arch-03.txt>
- Flow Label
 - Goals of Discussion, Steve Deering, 5 min.
 - An IPv6 Flow Label Specification Proposal, Jarno Rajahalme, 20 min.
<draft-rajahalme-ipv6-flow-label-00.txt>
 - Discussion, Steve Deering, 20 min.

AGENDA (THURSDAY)

- DNS Discovery
 - Problem Statement Review, Steve Deering, 10 min.
 - DNS Discovery Update, Dave Thaler, 10 min.
<draft-ietf-ipngwg-dns-discovery-03.txt>
 - Using DHCPv6 for DNS Configuration in Hosts, Ralph Droms, 10 min.
<draft-droms-dnsconfig-dhcpv6-00.txt>
- Recommendations for IPv6 in 3GPP Standards, Margaret Wasserman, 30 min.
<draft-wasserman-3gpp-advice-00.txt>
- Node Requirements
 - Introduction, Steve Deering, 5
 - Minimum IPv6 Functionality for a Cellular Host, John Loughney, 25 min.
<draft-manyfolks-ipv6-cellular-host-01.txt>
 - IPv6 minimum host requirement for low cost network appliances, Nobuo Okabe, 15 min.
<draft-okabe-ipv6-lcna-minreq-00.txt>

AGENDA (THURSDAY CONT.)

- Threat Analysis for IPv6 Public Multi-Access Links, James Kempf, 20 min.
<draft-kempf-ipng-netaccess-threats-00.txt>
- Advanced API, Tatuya Jinmei, 15 min.
<draft-ietf-ipngwg-rfc2292bis-03.txt>
- Host-based IPv6 Multicast Addresses Allocation , Jung-Soo Park, 10 min.
<draft-park-host-based-mcast-00.txt>

DOCUMENT STATUS

- RFC's Published
 - RFC3177 IAB/IESG Recommendations on IPv6 Address Allocations to Sites
 - RFC3146 Transmission of IPv6 Packets over IEEE 1394 Networks (Proposed Standard)
 - RFC3178 IPv6 Multihoming Support at Site Exit Routers (Info)
- IESG Approved
 - (none)

DOCUMENT STATUS

- IETF Last Call completed
 - Unicast-Prefix-based IPv6 Multicast Addresses (Proposed)
 - In final stages of IESG approval (w/ MALLOC draft)
 - IPv6 Node Information Queries (Proposed)
 - IESG wants applicability statement on usage

DOCUMENT STATUS

- Submitted to the IESG
 - RFC2372 IP Version 6 Addressing Architecture (Draft Standard)
 - *New version submitted (-07), IETF last call soon*
 - Default Address Selection for IPv6 (Proposed)
 - Under AD review, some issues
 - A flexible method for managing the assignment of bits of an IPv6 address block (Info)
 - Needs new draft based on IESG comments
 - An analysis of IPv6 anycast (Info)
 - In AD review

DOCUMENT STATUS

- IPng Working Group Last Call Completed
 - (none)
- Documents Ready for Working Group Last Call
 - Internet Control Message Protocol for IPv6 (Draft)
<draft-ietf-ipngwg-icmp-v4-01.txt>
 - Basic Socket Interface Extensions for IPv6
<draft-ietf-ipngwg-rfc2553bis-04.txt>

W.G. LAST CALL for ICMPv6 ID?

- Changes in <draft-ietf-ipngwg-icmp-v3-02.txt> from <-01>
 - Added token-bucket method as an example rate-limiting mechanism for ICMP error messages, and changed default value for the fixed timer approach, parameter T, from 1 second to 0.5 second.
 - Added specification that all ICMP error messages shall have exactly 32 bits of type-specific data, so that receivers can reliably find the embedded invoking packet even when they don't recognize the ICMP message Type.
 - In the description of Destination Unreachable messages, Code 3, added rule prohibiting forwarding of packets back onto point-to-point links from which they were received, if their destination addresses belong to the link itself ("anti-ping-ponging" rule).
 - Added description of Time Exceeded Code 1 (fragment reassembly timeout).

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