

IPv6 Node Requirements

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An Extremely Unscientific Method for Determining IPv6 Scope

- IPv6 search from the RFC Editors Web Page
 - 87 matches
- IPv6 search from the Internet Drafts Web Page
 - 228 matches
- IPng Current Specifications
 - 81 documents
 - from <http://playground.sun.com/pub/ipng/html/specs/specifications.html>

Areas

- From <http://playground.sun.com/pub/ipng/html/ipng-main.html>
 - IPv6 Specification
 - Addressing
 - Multihoming
 - Internet Control Message Protocol
 - Hop by Hop Options
 - Multicast
 - Path MTU Discovery
 - Header Compression
 - Packet Tunneling
 - Domain Name System
 - Transition Mechanisms
 - Routing
 - Renumbering
 - Security
 - Neighbor Discovery
 - Auto Configuration
 - Program Interfaces
 - OSI NSAP Mapping
 - Mobility
 - IPv6 over Different Media
 - Network Management
 - IPng Area Directors Recommendation

What to Do

- Prescriptive vs. descriptive.
- Fill in the cracks vs. list of RFCs.
- IPv6 as it is currently vs. future-proof.
- Complete vs. minimum set.
- Organizational issues – group functionality by class or by usage (mandatory to implement, mandatory to use, etc.)

Next Steps

- Form a team
 - See me after the meeting if interested.
 - Will have a short update on Thursday.
- Get some scoping for the document.
- Write-up the draft.

- `nodereq-request@viagenie.gc.ca`

Team

- John Loughney
- Alain Durand
- Margaret Wasserman
- Marc Blanchet
- Joe Klein
- Dave Thaler
- Rajiv Raghunarayan
- Jari Arkko
- Ito-Jun

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