

Neighbour Discovery updates (RFC2461bis)

draft-ietf-ipv6-2461bis-00.txt

Background

- Several issues have been raised against RFC 2461
- The aim of this work is to update 2461 and publish as DS
- The work primarily aims to increase clarity and fix bugs without introducing new functions

Unresolved issues

- Enabling forwarding per interface
 - Proposed text from Erik (no objection on the list so far).
- Prefix length limitation.
 - Current (new) text does not state that the prefix length must be 64 when the A flag is set (I.e. does not exactly follow IAB recommendation). Should we add this limitation? Comments?
 - Suggestion: The current text is sufficient as it indicates that the prefix length has two purposes: onlink determination and ADDRCONF. It also indicates that ADDRCONF may reject certain values.

Unresolved issues...cont

- Onlink assumption leftover
 - Will remove the following text from section 6.3.6:
 - 3) If the Default Router List is empty, assume that all destinations are on-link as specified in Section 5.2.

Conclusion

- Main issues were related to security, mobility, core 2461 issues, and editorials.
- Three issues left that are partially addressed in the current draft. Text and consensus available for two issues. No comments given on the prefix length and how to handle IAB recommendation.
- Next version after IETF will address those issues and should be ready for WG LC.