Quick Update on Babel Drafts

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RFC 6126 bis
Changes since RFC 6126

• draft-ietf-babel-rfc6126bis-04

• Clarifications to specification

• Minor extensions to the protocol encoding
  • Mandatory bit
  • Unicast Hellos
RFC 6126 bis
Mandatory Bit

- Avoid combinatorial explosion of extensions
- Future extensibility
RFC 6126 bis
Unicast Hellos

• Performance
  • 802.11 multicast issues

• Security
  • Pairwise associations, DTLS / IPsec
RFC 6126 bis
Changes since RFC 6126

• Do not have strict backwards compatibility

• But no flag day!

• First deploy understanding of mandatory bit and unicast hellos, then much later start sending them
RFC 6126 bis
Changes in -04 since -03

- Clarified that all the data structures are conceptual
- Clarify guidance on usage of Unicast Hellos
- Made hold-time a SHOULD rather than MUST (Chouasne Algorithm)
- Clarified that Seqno Requests are for a finite-metric Update
- Made buffering outgoing updates a SHOULD
- Weakened advice to use modified EUI-64 in router-ids
- Added information about sending requests to Appendix B
RFC 6126 bis
Next Steps

• Mature Document

• Last Call?

• Security
  • Important to Babel community
  • Should security be solved in this document?
  • Juliusz's talk
Source Specific
Changes in -01 from -00

• draft-ietf-babel-source-specific-01

• More introduction / background

• Specified wildcard requests
  • Wildcard requests are independent of extensions
  • Receivers send everything they have for all extensions
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