

Recommendations on filtering of IPv6 packets containing IPv6 Extension Headers (draft-gont-opsec-ipv6-eh-filtering-00)

Fernando Gont
Will Liu
Ron Bonica

IETF 90
Toronto, Canada. July 20-25, 2014

Overview

- This document is an IPv6 version of RFC7126
- Summarizes security and operational implications of:
 - IPv6 Extension Headers
 - IPv6 options
- Provides operational advice on how to filter such IPv6 packets

Feedback received so far

- Clarify that we assumed that the rules in RFC 7045 have been applied first
- Document currently recommends to drop packets with HBH options headers
 - A more sensible alternative is to ignore the HBH header
- Note that we're providing advice wrt operational configurations
 - (rather than changing the implementation defaults)

Moving forward

- Feedback?
- Adopt as opsec wg document?