Implementation Advice for RA-Guard
(draft-ietf-v6ops-ra-guard-implementation)

Fernando Gont
on behalf of
UK CPNI

IETF 83
Overview

- RA-Guard provides feature parity with IPv4
  - RFC 6104 contains the problem statement
  - RFC 6105 specifies RA-Guard
- RA-Guard implementation is not straightforward:
  - IPv6 extension headers and fragmentation make implementation of RA-Guard trickier
  - Existing implementations are trivial to evade
draft-ietf-v6ops-ra-guard-implementation

- Describes evasion techniques for known RA-Guard implementations
- Focuses on providing concrete advice for RA-Guard implementation
- Document history:
  - draft-gont-v6ops-ra-guard-evasion
  - draft-gont-v6ops-ra-guard-implementation
  - draft-ietf-v6ops-ra-guard-implementation
Latest revisions of the I-D

- They mostly clarify the filtering rules
  - e.g., explicitly state that non-first fragments are passed by RA-Guard
- This document has been pretty stable during the last few revisions
Moving forward

- Document probably ready for WGLC
- Feedback always welcome, anyway
Feedback?

Fernando Gont
fgont@si6networks.com