

Security Assessment of Neighbor Discovery (ND) for IPv6

(draft-gont-opsec-nd-security)

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Problem statement

- ND implementations are less mature than expected
- Don't want to wait for 10-15 years for them to improve

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- Does a security assessment of IPv6 ND
- Gets into more details than RFC 3756
- Provides explicit references to known implementation flaws
- Provides (non-normative) implementation guidance
- Similar to what we did for IPv4 in RFC 6274

Comments received so far

- “The I-D should only include what is not already in 3756”
- My take:
 - Some stuff would be lost:
 - e.g. references to buggy or improved implementations and vulnerability advisories
 - We'd end up with two fragmented documents
 - Even more so since same attack can have multiple vectors
 - I'd proceed “as is” in this respect

Moving forward

- Adopt as a wg item?