

Recommendation on Stable IPv6 Interface Identifiers

(draft-ietf-6man-default-iids-00)

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Overview

- Security & privacy Implications of embedding hardware addresses in IIDs now well-known.
- Specs still mandate that SLAAC IIDs be generated by embedding hardware addresses.
- This document updates the specs such that:
 - Embedding the hardware address is not employed as the default IID generation scheme
 - draft-ietf-6man-stable-privacy-addresses is the default algorithm for generating stable addresses with SLAAC

Change log

- Previous doc (draft-gont-6man-deprecate-eui64-based-addresses-00):
 - The traditional SLAAC IIDs are not deprecated
 - We just recommend that they should not be the default algorithm

TODO list

- Add any missing IPv6-over-foo references
- Anything else?
- WGLC once we revise the I-D?