

Managing the Address Generation Policy for Stateless Address Autoconfiguration in IPv6 (draft-gont-6man-managing-slaac-policy)

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on behalf of

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Problem statement

- IETF-wise we have support for both stable and temporary addresses
- Support for temporary addresses (RFC 4941) varies across platforms

OS	Status
Windows 7	Implemented and enabled
FreeBSD	Implemented but not enabled
OpenBSD	Not Implemented

Problem Statement (II)

- There is no mechanism to manage the SLAAC-policy
 - You cannot make nodes enable their use
 - You cannot make nodes disable them, if desired
- This makes network management difficult
(if you have requirements in this area)

Managing SLAAC policy

- It is about conveying information about the desired SLAAC policy
 - Temporary vs. Stable addresses
 - NOT Privacy vs. Non-privacy

No matter whether stable or temporary, addresses should be privacy-enhanced

- See draft-gont-6man-stable-privacy addresses ;-)

draft-gont-6man-managing-slaac-policy

- Specifies two bits (AGP) in the PIO, to provide ADVICE about the desired SLAAC policy

AGP	Semantics
00	No advice (use your default policy)
01	Generate stable addresses
10	Generate temporary addresses
11	Unused (Reserved for future use)

Moving forward

- Comments?
- Adopt this document as a 6man wg item?

Feedback?

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