

Default Address Selection for IPv6

draft-ietf-ipngwg-default-addr-select-05

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Source Address Selection and Destination Address Ordering

- Automatically pick “reasonable” source and destination addresses for interoperability
- Minimal requirement for all implementations
- Configuration/policy is possible
- NOT just for multi-homing
- Complement other multi-homing approaches

Changes made in -05

- Clarification of candidate set formation for routers
- Added explanatory text about candidate sets
- Replaced usage of scope id with zone index
- Augmented the first destination address selection rule

Open Issue – Interface Preferences

- Would like to be able to prefer certain interfaces in specific situations
- Example:
 - Two machines which are both on the same native IPv6 subnet as well as an ISATAP (or 6over4) subnet.
- Solution:
 - Prefer native interfaces over non-native?
 - Arbitrary interface preferences?

Open Issue – Destination Rule #1

- Current text is confusing
- Want to convey that implementations should avoid destination addresses that are presently known to be unreachable
- Don't mean to convey that implementations should actively determine reachability before ordering

Where are we now?

- Draft went through working group last call
 - 04 draft addressed last call issues
 - 05 draft addressed interim meeting issues
 - 06 draft in progress
- Rough consensus at Interim Meeting
 - Keep on standards track
- Author would like to move towards PS

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