

Default Address Selection for IPv6

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Source Address Selection and Destination Address Ordering

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

Open Issues (with Consensus?)

- Minor editorial clarifications.
 - Explaining how pair-wise tie-breaker rules are used to select an address.
- For IPv6-only nodes that support SIIT, when sending to an IPv4-mapped address the candidate set of source addresses should only include IPv4-translatable addresses.

Open Issues

Should the longest-matching-prefix comparison be capped at 64 bits?

- Pro: Otherwise we will compare interface identifier bits, and Intel cards will prefer to talk to Intel cards, etc.
- Con: This embeds 64 in yet another place, it's not always the right number, and it won't cause harm.

Open Issues

- Should the source address selection have a final tie-breaker (like choosing the numerically smallest address)?

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