

Default Router Preferences and More-Specific Routes in RAs

draft-ietf-ipngwg-router-selection-00

Brian Zill for Richard Draves

December 11, 2001

Salt Lake City IETF

What is this about?

- An OPTIONAL extension to Neighbor Discovery.
- Puts extra information in RAs.
 - Preference for the default router.
 - More-specific routes, with lifetimes and preferences.
- Helps hosts pick a router for off-link destinations.

Open Issues

- Probing unreachable routers.
- Combine with load sharing draft?
- Move forward to Proposed Standard or Informational?
 - fyi, Microsoft shipped this in Windows XP.

Probing Unreachable Routers

- When choosing an otherwise less-preferred reachable router over an otherwise more-preferred unreachable router...
 - The host **SHOULD** probe the unreachable router with a Neighbor Solicit.
 - This probing **MUST** be rate-limited, to at most one probe per minute.
- So the host will notice when the unreachable router is available and use it.

This document was created with Win2PDF available at <http://www.daneprairie.com>.
The unregistered version of Win2PDF is for evaluation or non-commercial use only.