Enterprise Multihoming using Provider-Assigned Addresses without Network Prefix Translation: Requirements and Solution

Draft-bowbakova-rtgwg-enterprise-pa-multihoming-01

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Previously on this topic (IETF96)

> **Q:** How to send packets to the correct uplink (BCP38)?
>
> **A: Source Address Dependent Routing (SADR)**

NO NAT!

> **Q:** How to implement policies?
>
> **Q:** How to react to link failure and recovery?
>
> **A: Influence source address & next-hop selection on hosts**

(Click here for IETF96 slide deck)

Changes Made Since -00

(Mostly in the Section 4, how hosts are selecting an address)

- Clarifying how default address selection algorithm can be used
- Adding a section to discuss DNS addresses/search list selection
- Updating the references (incl. the reference to draft-ietf-6man-multi-homed-host)

Changes Still To Be Made

Fork a separate draft describing most common scenario which could be addressed w/o:

- relying on Rule 5.5 of default address selection algorithm (advertised prefix <-> next-hop mapping)
- Source Address Dependent Routing support

Proposed Changes

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Source Address Dependent Routing

Source Address Selection on Hosts

RTGWG

v6ops

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Source Address Dependent Routing

Source Address Selection on Hosts

v6ops

Draft-to-be written

Source Address Selection on Hosts (most common scenario no Rule 5.5 required)

Questions to the WG

- What's WG opinion on this work?
- Call for adoption?

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QUESTIONS/COMMENTS?