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)

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 \texttt{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

**Source Address Dependent Routing**

**Source Address Selection on Hosts**

Draft-to-be written

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

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Questions to the WG

● What’s WG opinion on this work?
● Call for adoption?
QUESTIONS/COMMENTS?