

Logical Interface Support for IP Hosts

Sri Gundavelli

Telemaco Melia

**Carlos Jesus Bernardos Cano, Antonio De la Oliva,
Yong-Geun Hong, Kent Leung, Tran Minh Trung, Hidetoshi Yokota, Juan Carlos Zuniga**

draft-ietf-netext-logical-interface-support-04.txt

Open Issues

Recent updated since -01 addressed the following issues.

- Issue-1: Behavior of ND
- Issue-3: Use of the Virtual LLID
- Issue-4: Point-to-Point Links
- Issue-5: Multicast Traffic
- Issue-6: MTU Issues
- Issue-7: UL/DL Packet Processing

Link-Type for Logical Interface

Section 5.3: Supported Link models for a logical interface

- As per the base Proxy Mobile IPv6 specification [RFC5213] the media underneath the physical interface has to be bound to a point-to-point link [RFC5213]. Access technologies that provides a shared media (e.g., IEEE 802.11) can be supported as long as they provide a point-to-point link [RFC4861]. The details of how a shared media provides a point to point link are link layer specific and/or operational matters that are out of scope of this document. For example IEEE 802.11 media can provide a point-to-point link via the appropriate use of IEEE 802.1Q VLAN header where a distinct VLAN is configured between the MAG and each of the mobile node, or by the approach of MAG transmitting multicast packets as layer-2 unicast packets [RFC6085] and thereby preserving the point-to-point link properties on a shared link.

Next Steps

- Solicited Reviews from WG members
- Issue WGLC on the document

Thank You

