EK-DYMO Implementation (ETRI-KNU DYMO)

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Features

- IPv6
- Highly compliant with DYMO-05
  - Migrate to DYMO-06: under implementation
- Conforms to PacketBB-01: the first trial
- Utilizes Netfilter architecture as in DYMO-UM
- Supports Multiple Interfaces
- Runs in Linux 2.6.x
  - Tested for 2.6.10 and 2.6.15
Implementation Issue

- PacketBB
  - allows the packet size to be reduced when PA is applied.
  - processing overhead to support various tlvs in one address block when PA is applied still exists

- DYMO
  - Optional fields, e.g. Route.HopCnt
  - How to make use of them?
    - Code: recompile(#ifdef) or if - else?
    - Efficiency: Does it provide significant efficiency gain in terms of packet size, memory usage and processing time?

Future Improvements

- Utilizing NHDP (Instead of HELLO)

- Improving PacketBB parser
  - Multiple messages on a packet
    - When to aggregate and what to aggregate?

- Supporting both IPv4 and IPv6
Release & Contact

- Web page
  - [http://monet.knu.ac.kr/dymo](http://monet.knu.ac.kr/dymo)
  - Binary codes are open

- Contact
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