

Mobile IPv6 / RSVP Integration

George Fankhauser, ETH Zurich
Stathes Hadjiefthymiades, Univ. of Athens
Neda Nikaein, Eurecom
Lorraine Stacey, Lucent Technologies

`draft-fhns-rsvp-support-mipv6-00.txt`

Problem

- RSVP not transparently working for optimized routes in MIPv6
 - RSVP_HOP object contains home address
 - SESSION object has a mismatched flow-id
- Only these optimized routes are considered in this draft, triangle routes are not

Solutions (1)

- Change routers on path to match home addressed flows
 - Since we can't control the core network this is not an option
- A. Change end-systems (RSVP daemon, interface to MIP module) to modify RSVP messages
 - Viable, minimal solution, described in detail in draft

Solutions (2)

- B. Extend flows to new nodes inside wireless/mobile access network. Builds partially on minimal solution A and adds more performance enhancements

