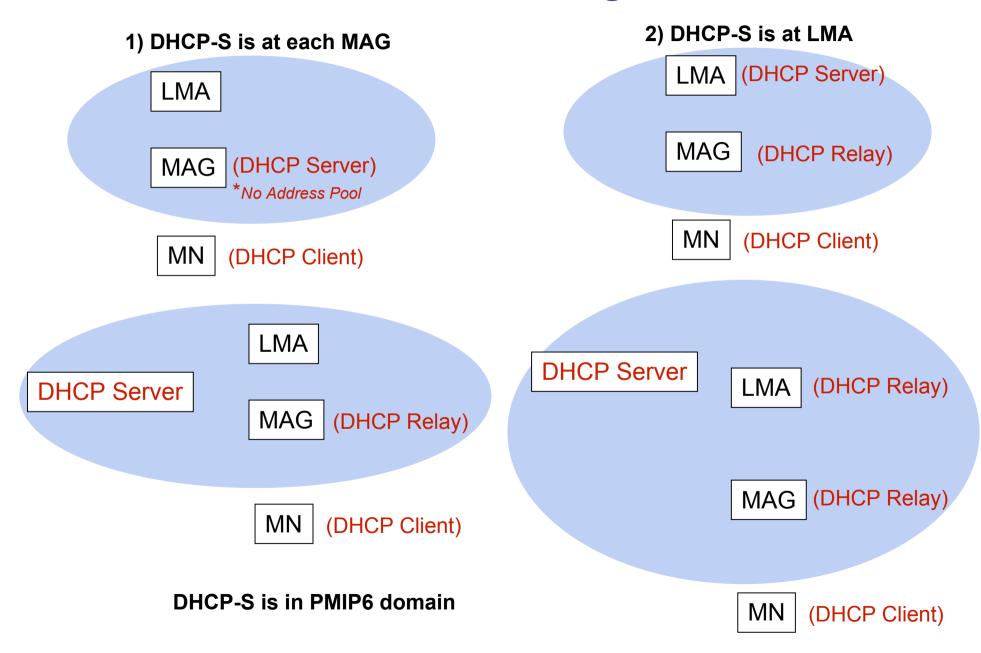
IPv4 Support for Proxy Mobile IPv6 draft-ietf-netlmm-pmip6-ipv4-support-02.txt

Ryuji Wakikawa Sri Gundavelli

Updates

- DHCP Configurations
 - Adding two scenarios as bases
 - Adding more scenarios in Appendix
- Catching up to the latest PMIPv6
 - support multihomed mobile node
 - support inter-access handoff
- Several editorial updates

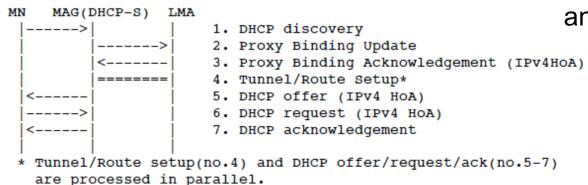
Various DHCP Configurations



DHCP-S is located at MAG

- MAG is DHCP Server without Address Pool
- MAG retrieves IPv4 address for MN from LMA by PBU/PBA (IPv4 HoA: 0.0.0.0)
- After successful PBA, MAG sends DHCP offer
- Handover Consideration
 - IPv4 HoA assignment info is always retrieved by MAG from proxy binding registration or from policy profile

- DHCP Server ID Change
 - Assigning the same DHCP server ID
 - Changing MN's DHCP client state to REBINDING state
- DHCP message is unicasted to previous MAG
 - MAG intercepts all the unicasted DHCP messages and rejected these



DHCP-S is located at LMA

- LMA is DHCP Server and MAG is DHCP Relay
- After DHCP ack, MAG sends PBU for the assigned IPv4 HoA
- Handover Consideration
 - IPv4 HoA assignment info is always retrieved by MAG from the policy profile

- DHCP relay intercepts packets sent only to broadcast address
 - DHCP relay (MAG) must analyzes all the DHCP related packets at the MN-AR link, intercepted and forwarded them to LMA if needed

