



Proxy Mobile IPv4

draft-leung-mip4-proxy-mode-00.txt

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Mar. 21, 2006

Problem Statement

- Many IPv4 host don't have Mobile IP function
 - Operating systems lack support
 - Mobility still needed for these devices

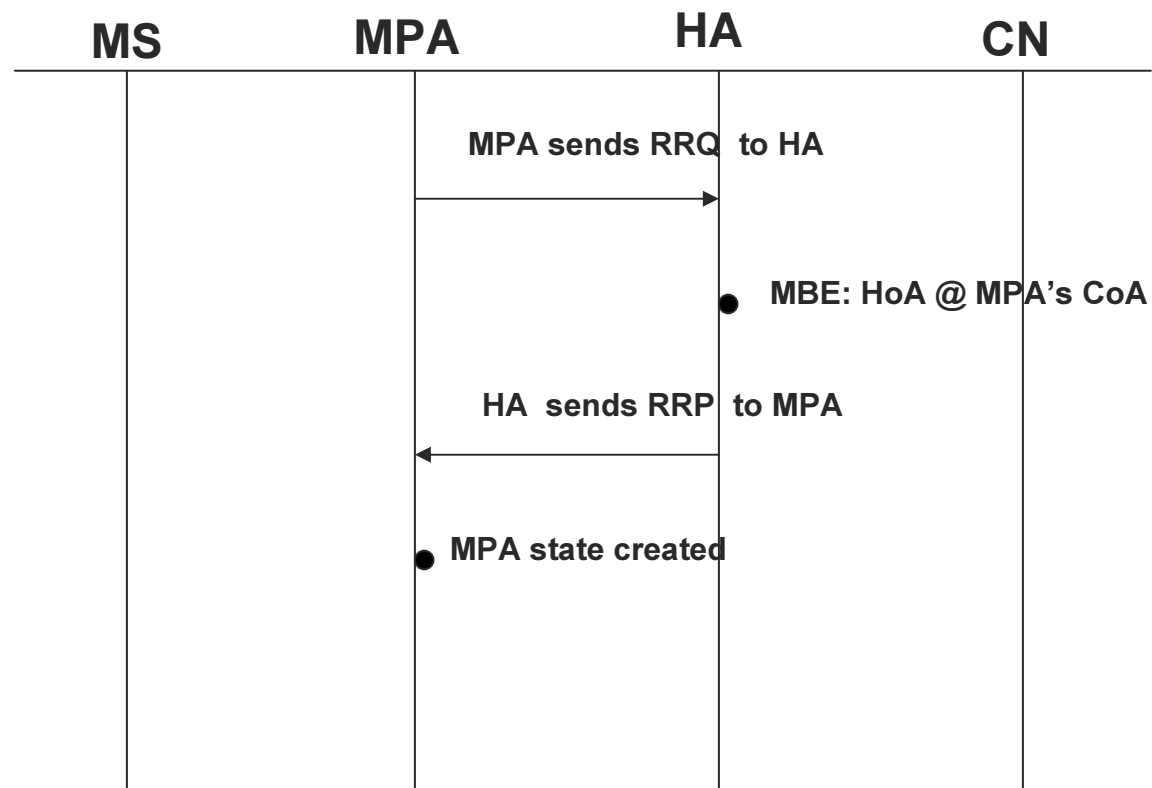
[Proxy Mobile IPv4]

- Mobile Station
 - IPv4 host without Mobile IP function
- Mobility Proxy Agent
 - Mobile IP client function on entity providing mobility service for the mobile station

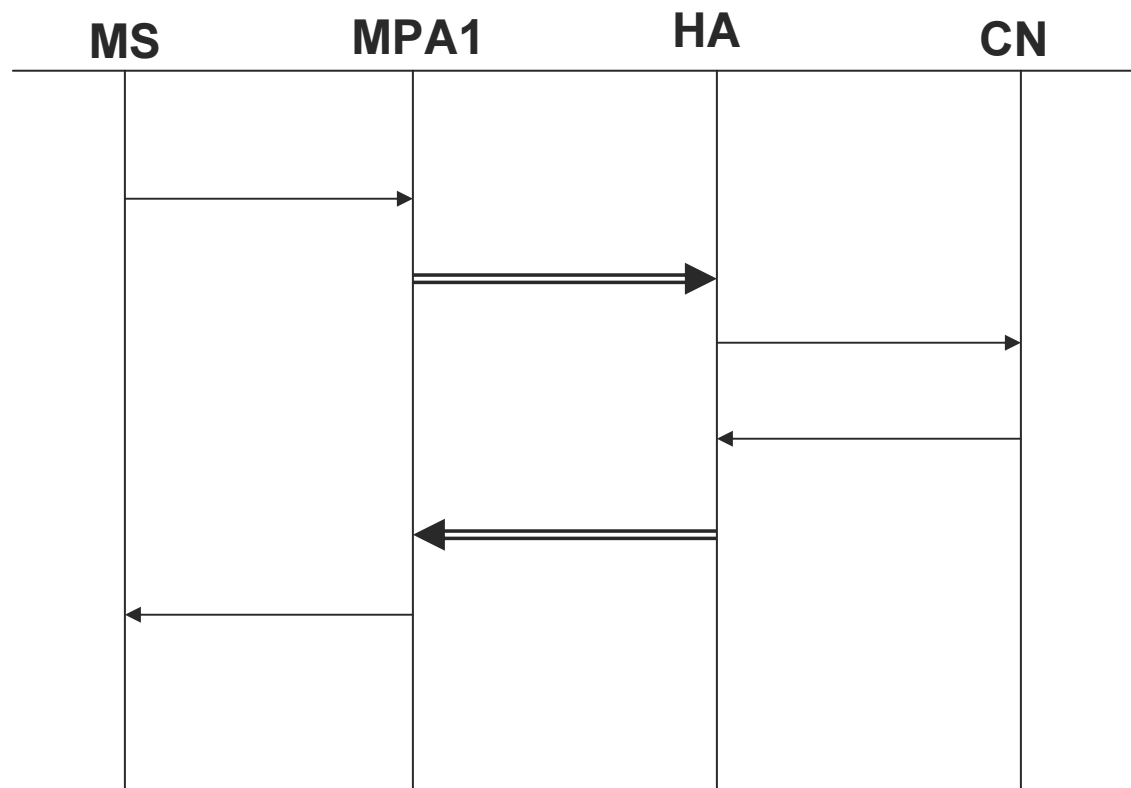
[Solution Benefits]

- Support for Unmodified Hosts
- Airlink Consumption
- Reduction of Signaling Overhead in the Network
- Support for Heterogeneous Wireless Link Technologies
- Support for IPv4 and IPv6 Host

[Control Flow]



[Data Flow]



[PMIPv4 Considerations]

- Registration sequencing
- Resource cleanup
- ARP
- ICMP
- DHCP
- PPP IPCP
- Link-local multicast and broadcast



Next Step

Seeking WG decision?

- Working group item
- Collapse multiple Proxy Mobile IPv4 drafts