

# Mobile IPv4 Home Agent Switch Message

draft-jin-mip4-ha-switch-00.txt

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# Reasons

- RFC 3344 [2] contains no provision to allow a home agent to inform a mobile node that it needs to stop acting as the home agent for the mobile node.
- Dynamical Home Agent assignment [3] is designed for assigning a optimal home agent for mobile node, not for proactively. notifying a mobile node to change it's home agent.

# This work

- This document specifies a new MIP4 control message that can be used between a home agent and mobile node to signal a mobile node that it should acquire a new home agent.

# New Message

- Here we define a new type 5 for Home Agent Switch Message

IP fields:

Source Address      Home agent's address.

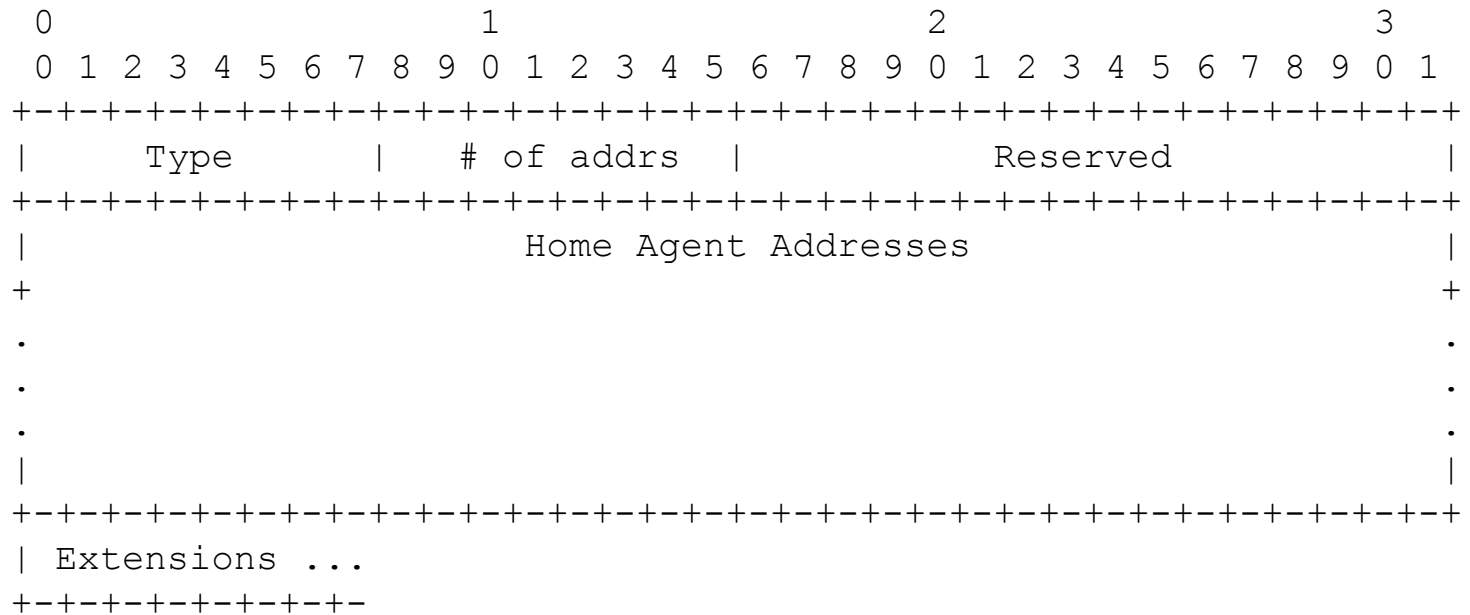
Destination Address   Mobile node's address.

UDP fields:

Source Port      Same as the destination Port of the messages from the MN.(NAT issue)

Destination Port   Same as the last Registration Reply message.

# The UDP header is followed by the Mobile IP fields



# Security Consideration

- The Home Agent Switch message **MUST** use mobile-home authentication extension which is defined in section 3.5.2 of RFC 3344, Exactly one authorization-enabling extension **MUST** be present in all the Home Agent switch message.

# Some Issue

- Whether we need a generic notification message, with extensions for this indication, like draft-haley-mip6-mh-signaling-00.txt

# Acknowledgement

- Thank kind comments and suggestions from Henrik Levkowitz



Work Item?