Enhanced mobility anchoring wt

H A Chan, S. Jeon, J. Lee, F. Templin, X. Wei
Describe behaviors of enhanced anchor

3. Distributed anchoring

3.1. Distributed anchoring configurations

3.2. Distributed anchoring behaviors and message information elements

  3.2.1. Location management behaviors and message information elements

  3.2.2. Forwarding management behaviors and message information elements
Example solutions
reference to other drafts for standards changes

♦ 4. Example mobility solutions with distributed anchoring
  ➢ 4.1. IP mobility support only when needed
      • 4.1.1. Not needed: Changing to the new IP prefix/address
      • 4.1.2. Needed: Providing IP mobility support
  ➢ 4.2. IP prefix/address anchor switching to the new network
      • 4.2.1. Centralized control plane
      • 4.2.2. Hierarchical network
      • 4.2.3. Hierarchical network with anchoring change
Changes in 08 from 07

- (addressed comments from prior meetings)
- draft-chan-dmm-distributed-mobility-anchoring-08
  - Checked and referenced to architecture draft
  - Clarifying as much as possible
Mobility support not needed: change to anchor in new network

What I have is only borrowed from God so that I may serve others. —Anthony Chan
What I have is only borrowed from God so that I may serve others. H Anthony Chan
IP mobility support needed: move IP anchoring to new network

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Move IP anchoring to new network

- MN attach to p-AR: acquire MN-ID and profile
- MN detaching from p-AR
- MN attaching to n-AR
- DHCPv6 release
- DHCPv6-PD request
- DHCPv6-PD reply
- DHCPv6-PD timeout
- DHCPv6 release

DHCPv6-PD request
DHCPv6-PD reply
DHCPv6-PD timeout

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Move IP anchoring to new network with hierarchy

<table>
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<tr>
<th>DPA(IPa1)</th>
<th>FM-DP</th>
<th>IP1</th>
<th>DPA(IPa2)</th>
<th>FM-DP</th>
<th>IP1,IP2</th>
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<tr>
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<td>LmP</td>
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<td>Lmc</td>
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Mobility controller

LMs

DPA(IPa1)

FM-DP

IP1

DPA(IPa2)

FM-DP

IP1,IP2

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Way to go forward

- wt has already addressed comments for many rounds since ietf 90
- wt request wg to act soon to adopt so that wg will continue to work on this draft