

Mobility for IP: Performance, Signaling and Handoff Optimization (MIPSHOP)

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Preliminaries

- Scribes

- Agenda

 - <http://www3.ietf.org/proceedings/08nov/agenda/mipshop.txt>

- Meeting Material

 - <https://datatracker.ietf.org/meeting/73/materials.html>

Agenda

Tuesday, November 18, 1300 - 1500

1. Agenda review, Blue sheets and volunteers
for notes and Jabber 5 Mins
2. WG status and I-Ds update 15 Mins
3. Use of MH for HI and HACK Messages 15 mins
4. Use of FMIPv6 signaling for PMIPv6 handover
draft-ietf-mipshop-pfmipv6-00 15 Mins
5. Use of Transient BCE for PMIPv6 handover
draft-ietf-mipshop-transient-bce-pmipv6-00 15 Mins
6. MIH Update 25 Mins
draft-ietf-mipshop-mstp-solution-09
draft-ietf-mipshop-mos-dhcp-options-07
draft-ietf-mipshop-mos-dns-discovery-04
7. Handover Optimization using Home Agent buffering 10 Mins
draft-xia-mipshop-ha-buffering-01
8. FMIP and PFMIP Interactions 10 Mins
draft-zhao-mipshop-fmip-pfmip-00
9. Fast Handover for IP Flow Mobility 5 Mins
draft-zhao-mipshop-fho-flows-00
10. Next Steps 5 Mins

Working Group Status

- Re-chartering done
 - Tunneling optimization work item was removed by the IESG
 - More on this later..
- RFCs Published
 - RFC 5380 – HMIPv6

Working Group Status

- MSTP solution document
 - Framework document that describes discovery of MIH servers and transport of MIH information
 - Integrated scenario removed
 - A number of issues raised during the IESG review
 - Security Issue
 - IESG expressed a concern on lack of security mechanism for protecting the exchange between the client and the MIH server

Working Group Status

- DNS extensions for MIH server discovery
 - With the IESG currently
 - AD Review raised an issue on the use of S-NAPTR vs NAPTR records
- DHCP extensions for MIH server discovery
 - WG last call completed
 - Minor update required
 - Will be sent to the IESG soon

New Working Group Documents

- Use of FMIPv6 signaling to optimize PMIPv6 Handover
 - draft-ietf-mipshop-pfmipv6-00
- Use of Transient BCE for optimizing a PMIPv6 handover
 - draft-ietf-mipshop-transient-bce-pmipv6-00

IP Tunneling Optimization

- IESG raised the following issues
 - Tradeoffs related to added complexity vs actual benefits should be considered
 - Should consider a more generic scope than just addressing tunneling related to mobility protocols
 - Use of existing designs such as ROHC should be considered

AAA-based Handover Keys for FMIPv6

- Write an Informational document that shows the AAA infrastructure can be used for setting up MN-AR security associations
 - Mostly refer to existing solution documents
- No Standards Track work on this for now