Multicast Mobility in MIPv6: Problem Statement Update

- draft-schmidt-mobopts-mmcastv6-ps-02.txt -

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Scope

- ⏰ Changes in Version 2

- ⏰ Status of the Draft

- ⏰ Discussion: Quo Vadis ?

Changes in Version 02

o Clarification on ASM Shared Tree Problem

- Explicit distinction of Intra- and Interdomain
- Inclusion of Bi-Directional PIM

o Further Solutions Added

- Hybrid proxy gateway architecture
- Mobile Hop-by-Hop Protocol
- Extended Bibliography

o Editorial Improvements

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Status of the Draft

o Several thorough reviews on version 00 and 01

o Version 02:

- Fairly comprehensive problem description

- Brief sections on deployment issues & multicast tree characteristics

- Fairly large collection of solutions & bibliography (except for BGP issues)

o First reviews on version 02 (Almeroth, Romdhani, Huang):

- Request to elaborate on deployment issues

- Request to strengthen a path on major steps towards deployable minimal solutions

- Suggestion to concentrate on intra-domain multicast on wirless

- Editorial issues

Open Questions: Problem Section

o Extend deployment issue section?

    - Separate inter- and intra-domain problems?

    - Include multicast over wireless complicacies?

Open Questions: Solution Space

o Add problem conclusions to a "Minimal Path to Solution" for early deployment?

- Identify & concentrate on area of reduced complexity?

- Other specific ideas?

Open Questions: Solution Space

o Add further proposals?

- Include BGP-based protocol proposals?

- Collect more solutions of "minor" variation?

Open Questions: General Focus

o Include Further Work on Problem and Protocol Analysis?

o Add Nemo Aspects?

o Add Application Specific Issues (beyond generals already mentioned)?

- SDP/SAP/IMG issues
- SIP/RTP issues
- Multicast Membership Control issues

Quo Vadis?

o Shall we adopt this draft as a workgroup document?

Multicast Mobility at IETF

Thaler: www3.ietf.org/proceedings/01dec/slides/magma-2.pdf - 2001

draft-jelger-mssmv6-00.txt - 2002

draft-oneill-mip-multicast-01.txt – 2003

draft-suh-mipshop-fmcast-mip6-00 – 2004

draft-janneteau-nemo-multicast-mldproxy-00.txt – 2004

draft-schmidt-waehlisch-mhmipv6-04.txt – 2005

draft-miloucheva-mldv2-mipv6-00.txt – 2005

draft-zhang-mipshop-multicast-dma-02.txt – 2006

draft-xia-mipshop-fmip-multicast-00.txt – 2006

draft-irtf-sam-problem-statement-01.txt – 2006