

NEMOv2 BOF (Re-chartering)

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The Plan

- As we finish the remaining items, we are rechartering to reflect the work that is determined to be important and should be completed by NEMO
- Discussion of relevant topics has taken place during and since the last meeting
- A list is here for you (us) to approve

Topics for NEMOv2

- Multihoming
- Route Optimization
- IPv4 Support
- Home Agent Distribution & Availability
- Operational Issues of General Concern

Multihoming

- Multi-addressing vs. multiple HAs
- Multihoming considerations in prefix delegation
- Loop prevention in nested mobile networks
- Mobile Router synchronization
- Part of this to be handled in MONAMI6

Route Optimization

- Mechanism for MNNs to send packets locally into the MR-visited network
- Route Optimization for LFNs by MR
- Correspondent Router Solution
 - RO for standard CNs
 - Discovery of MR by other MNs

IPv4 Support

- draft-shima-nemo-v4-prefix introduces option for IPv4 MNPs
- Mip6Trans design team has developed MIP6/NEMO solutions for v4 access networks and carrying v4 traffic with NEMO
- New draft-leung also addresses IPv4-only environment

Home Agent Distribution

- This falls under both the Multihoming and RO topics.
- The main issue is physical mobility over long distances and support for widely spread HAs (think airplanes)
- One existing draft for this (HAHA Global Distribution)

HA Load Balancing

- Cache synchronization for multiple HAs serving the same MRs/MNPs
- Used for load balancing and fault tolerance / availability
- One existing draft (HAHA Local)

Operational Issues

- Things like DHAAD implementation, FMIPv6 interaction, and concerns for Multihoming, RO, HA placement, DNA on mobile networks...
- Placeholder for this may be important; we can add it now or later.
- Goal is not to have a never-ending deliverable, but to solve deployment issues in the immediate future

Questions & Conclusions

- Does the WG agree with this list of topics?
 - What about HA distribution?
 - HA Load Balancing/Availability?
 - What about IPv4-only/transition?

Questions & Concl. (2)

- What, if anything, should be added for deployment / operational issues?
 - Should we wait for them to come up before adding to the charter?
 - This is also a question for ADs
- Is there wide consensus on a topic that's not listed here?

Questions & Concl. (3)

- Updated charter proposal to be prepared by TJ and posted to the NEMO list within 2 weeks from today for WG members' review
- Will also request review by Area Directors & Mobility Directorate