PMIPv6 Enhancements and Extensions

Commonalities of the proposed solutions

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Proposals considered

- A PMIPv6-based solution for Distributed Mobility Management

    - draft-bernardos-dmm-pmip-01

- PMIP Based DMM Approaches

    - draft-luo-dmm-pmip-based-dmm-approach-01

- PMIPv6-based distributed anchoring

    - draft-bernardos-dmm-distributed-anchoring-00

- Local Prefix Lifetime Management for Proxy Mobile IPv6

    - draft-korhonen-dmm-local-prefix-00

Main commonalities (I)

- Network-based solutions building on top of Proxy Mobile IPv6

- End host modifications not required

- Access routers provide locally anchored prefixes to attached MNs

- MN are expected to deprecate addresses not locally anchored

  - Some drafts describe (to some extend) how this can be done

Main commonalities (II)

- Tunneling is used to provide address continuity (if needed) when the MN moves from the anchoring router

    - Between the anchoring access router and the one serving the MN, or

    - Between the access router serving the MN and the one serving the CN (similar to PMIPv6 localized routing)

- User plane is distributed, control plane is centralized