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 extent) 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