NETEXT2 BOF
Wrap-Up Discussion

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Basic Approaches

Ways to achieve an inter-access handover:

- **1. Link-layer mechanisms that hide movement from one attachment point or technology to another**

  Example: 3GPP links hide GRPS/UMTS handovers from IP

- **2. Host mobility protocols**

  Example: MIP/HIP/... used on the host for changing from one interface to another, even if the network does proxy mobility within one interface

- **3. PMIP extensions to signal interface movements**

  Example: RS/RA extensions to request moving the prefix from the old interface to the new interface

Conclusion from the BOF

My read of the situation:

- The big debate is between approaches #2 and #3

- We would need consensus in the IETF that the proposed new work is useful, but there is no consensus

- Because the solutions are quite similar, it is unlikely that further requirements work would actually help us make a decision

Suggested Way Forward

- Make a decision now

- Without consensus, we cannot adopt solution #3

- However, there are other things we could work on:

- Considerations on building link-layer support to hide movements (Inf or BCP)
    - When are such solutions recommended?
    - Implications of MTU and default router changes
    - DNA considerations
    - The virtual link concept

- PMIP extensions that support solution #1, if needed (PS)