

# Motivations

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# Generic Motivations

draft-ernst-generic-goals-and-benefits

- Need to be able to use multiple access technologies
  - As a replacement of a failed or inappropriate access
  - Simultaneously, according to user preferences or link characteristics
- What for ?
  - Permanent and ubiquitous access
  - Redundancy / fault recovery
  - Load sharing / load balancing

# MIPv6/NEMO-specific Motivations

- Mobile nodes operating MIPv6 or NEMO Basic Support are shipped with multiple interfaces
  - MIPv6-enabled laptop with GPRS and WIFI interface
  - NEMO-enabled MR in a bus with WIMAX and WIFI interfaces.
- However, multiple ifaces cannot be used simultaneously

# MIP6/NEMO-specific Motivations

- Standardized solution needed
  - To ease deployment of MIPv6 and NEMO Basic Support
  - Several solutions: features need to be combined
  - Need by industry: e.g. car manufacturers (ISO)