On Demand Mobility through Router Advertisement / Router Solicitation

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Motivation

• Mobile applications differ with respect to their IP session continuity requirements
  • Just because it’s mobile doesn’t necessarily mean it needs continuity (and the overhead that comes with it)

• Applications need to specify type of IP Address
  • Fixed
  • Session Lasting IP Address
  • Non-Persistent IP Address
Related Work

• Within DMM
  • On Demand Mobility Management
  • Draft-ietf-dmm-ondemand-mobility-10
  • Specifies (Fixed IP, Session-Lasting, Non-persistent)
  • Accomplished through DHCP

• This work would pursue similar specification through RA/RS
Is there interest here?

• Explore application specification of address type through router advertisement / router solicitation

• Things to explore
  • Is there interest here from the group? If so, who?
  • RA/RS is traditionally used to get information to a mobile node, not for a mobile node to provide information
    • How should RS be modified?
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Next steps?