

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?
 - How should RA be modified?

Next steps?