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Use Cases and API Extension for Source IP Address Selection

draft-sijeon-dmm-use-cases-api-source-01.txt

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Overview

- Use cases analyzed, based on the three IP address types defined in [draft-ietf-dmm-ondemand-mobility](#)
- Tackling an issue found in the analysis, a socket API was proposed to indicate IP prefix preference of an APP to the IP layer

ON_NET property

- IPV6_XX_SRC_ON_NET
 - /* Require (or Prefer) an IP address based on a requested IP address type as source, assigned from the current serving network, whatever it has been assigned or should be assigned */

Status

- Appealed and discussed in the mailing list
- Presented at DMM WG in the last 92nd IETF meeting (Texas, US)
- New version (-01) submitted at June 2015
 - (Proposed API name changed with texts elaboration)

Way Forward

- More preferences for prefix selection should be considered?
 - Comments and contributions are highly welcome!
- Adoption for a WG document?

Q & A