MIP4 WG
IETF-73

Service Selection for Mobile IPv4
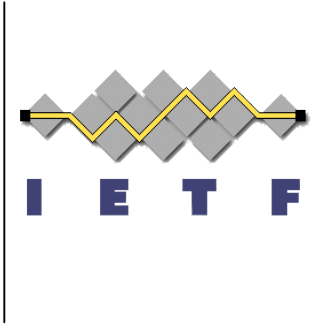
`draft-korhonen-mip4-service-05`

Nov, 2008

Jouni Korhonen, Ulf Nilsson

I E T F

Background for MIP4 Service Selection

- First time presented at IETF #68 in Prague

- In some (Proxy) MIP4 deployments identifying the MN is not enough
  - to distinguish between multiple services provisioned to the MN
  - to distinguish between multiple external networks provisioned to the MN (e.g. each service may result to a different HoA)
  - to distinguish between different subscription & policy profiles

- An operator (mobility service provider) might want to provide its subscribers:
  - An enterprise data access for which the operator hosts connectivity and mobility services on behalf of the enterprise
  - Access to service domains / external networks that are otherwise not accessible because of some operator's business reasons Simultaneous access to different service domains / external networks that are separated based on operator's policies

- Enable easier policy assignment for operators based on the subscribed services
- Enable easier hosting of mobility services for virtual operators
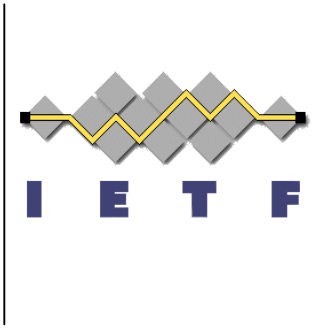
Changes Since IETF #70 (-02)

- From -02 to -03
  - Now defines how the UTF8 coded service identifier must be normalized (using NFKC) before including it into the Service Selection extension.

- From -03 to -04
  - The HA may echo the Service Selection extension received in the Registration Request back in the corresponding Registration Reply

- From -04 to -05
  - Extended the Service Selection extension with a 32-bits Index parameter
  - The service Index is used to distinguish between Identifier strings with the same content. It can also be used to distinguish between retransmissions and creations of new mobility sessions
  - One reserved value (0) that indicates the Index functionality is not in use

Questions & comments?
Consider as a WG item?