

MIP4 WG

IETF-68

Service Selection for Mobile IPv4

`draft-korhonen-mip4-service-00`

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Jouni Korhonen, Ulf Nilsson

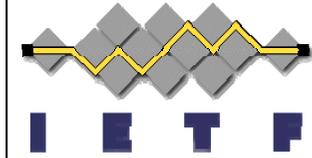


Need for a Service Selection with Mobile IPv4



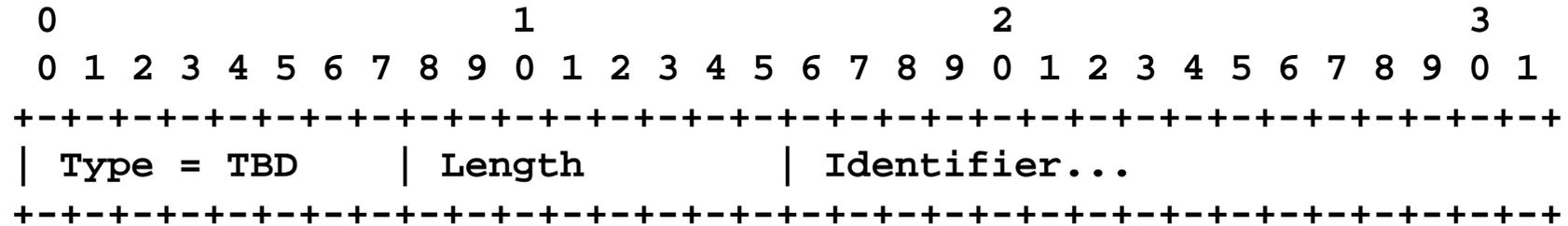
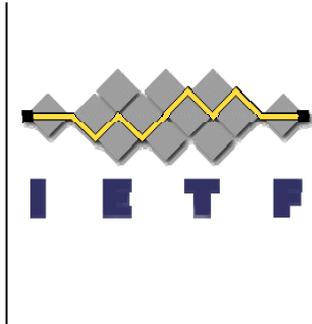
- In some (Proxy)MIPv4 deployments identifying the MN is not enough to distinguish between multiple services provisioned to the MN
- An operator (mobility service provider) might want to provide its subscribers:
 - An enterprise data access for which the operator hosts connectivity and mobility services 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

A new Service Selection extension header..



- RFC2794 could have been used but we wanted to avoid (again) overloading the NAI
 - Use the NAI only to identify the user@operator
- Cleaner approach and also backwards compatible
 - The Service Selection option is skipable -> 'legacy' HAs just fall back to the default behavior
 - Not coupled with with access authentication and AAA
- The Service Selection may affect the routing of the IP packets in the HA depending on the selected service.
- The Service Selection may affect the dynamic HoA allocation when e.g. used with the MN-NAI option
 - Different HoA for the same MN-NAI depending on the identified service

A new Service Selection extension header cont'd



Service Selection Extension

- The Service Selection Identifier is encoded as a host name or as a FQDN. Examples:
 - "czech-beer"
 - "czech-beer.brewery.example.com"

Questions? Feedback?

