

IPv6 over Network based Mobile IPv4

draft-navali-ip6-over-netmip4-00.txt

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Introduction

- Network based Mobile IPv4 can be leveraged to provide mobility service for IPv6
- The mobiles nodes with IPv6 stack can acquire IPv6 address by number of ways e.g. IPv6CP and RA and DHCPv6
- The solution described in this I-D defines these scenarios

Solution Components

- Dual Stack HA that can assign the IPv6 HoA or IPv6 prefix
- The IPv6 prefix (HoA prefix) can be either shared or can be unique per mobile node
- Any v6 over v4 tunnel should suffice between AR-HA and HA to IPv6 core
- The MN need not be dual stack

Illustration of the Connectivity Scenario



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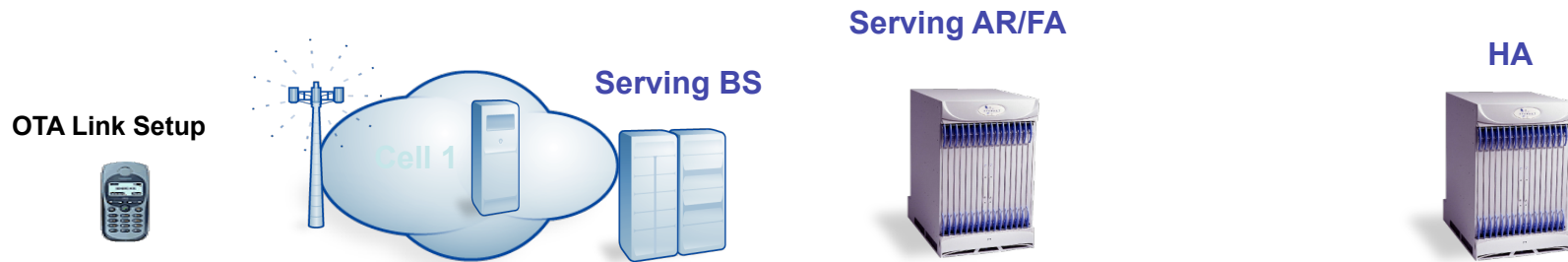


Illustration of the Connectivity Scenario

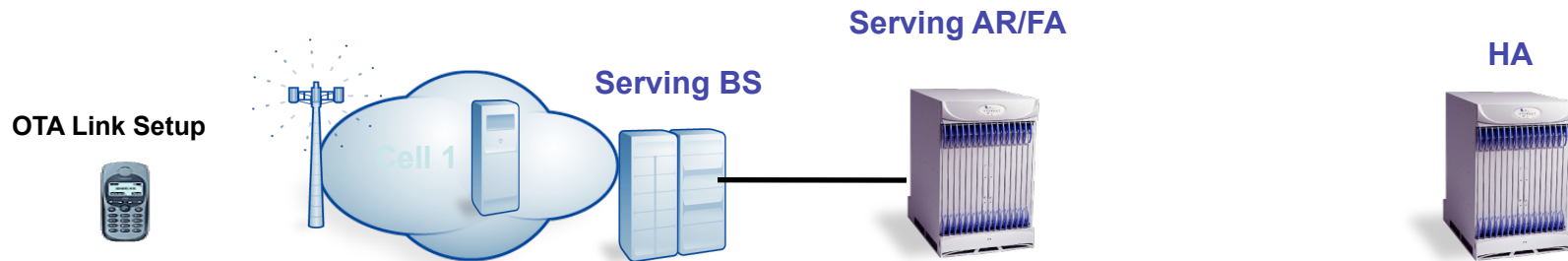


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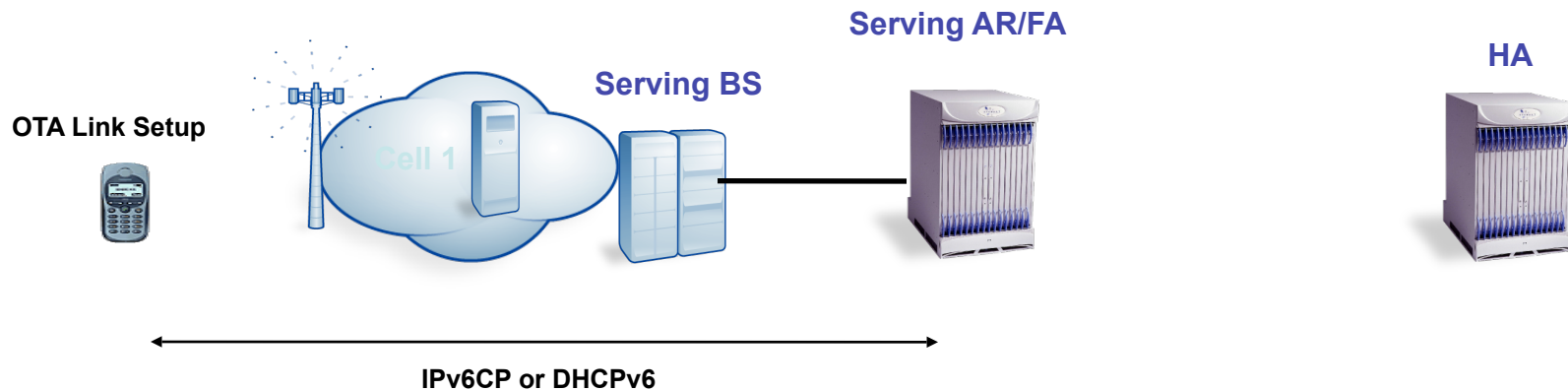
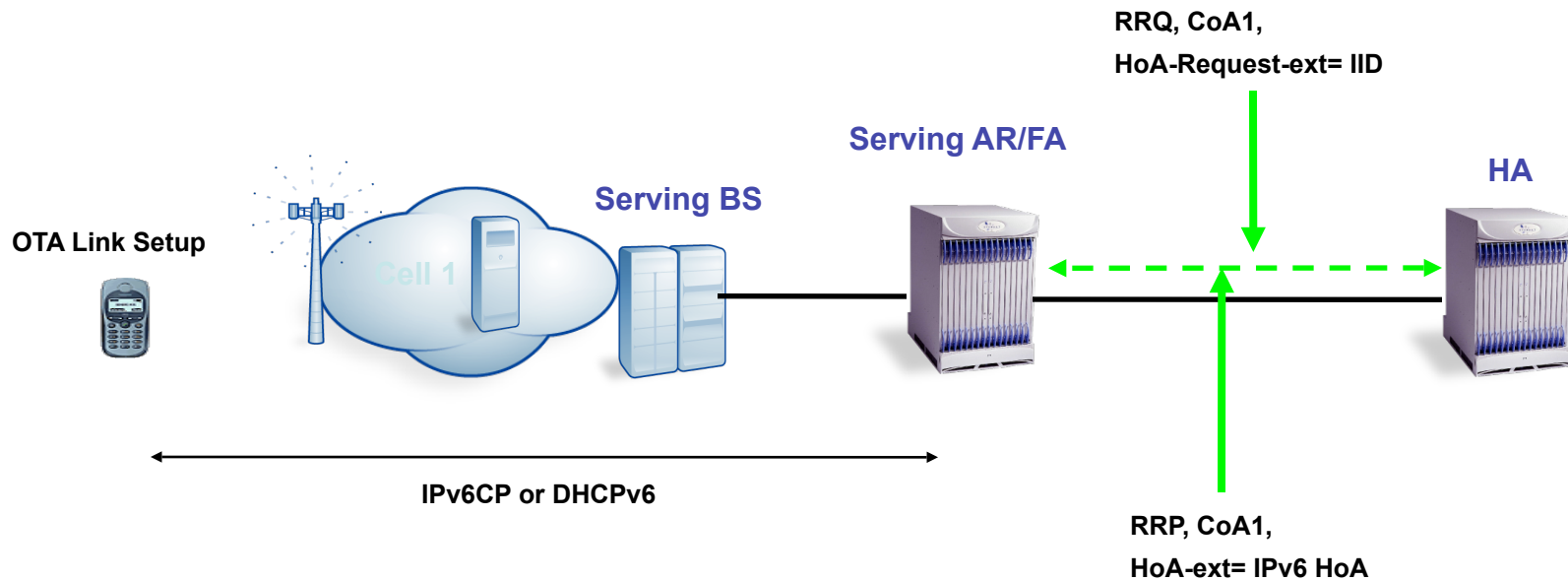
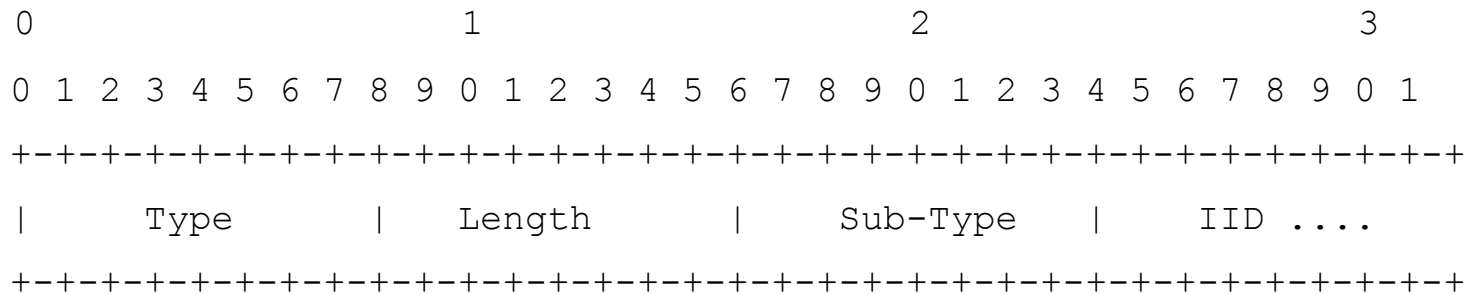


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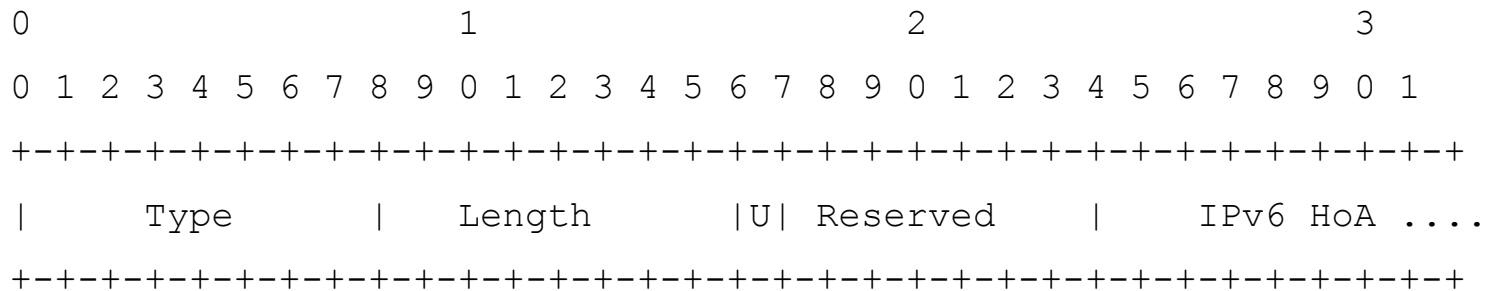
Proposed MIP4 Extensions

- IPv6 Home Address Request Extension



Proposed MIP4 Extensions

- IPv6 Home Address Extension



Next Step?

- Begin the work in MIP4 working group?