

Mobility challenges in virtualization environments

draft-bernardos-dmm-mobility-virtualization-00

IETF 115 – DMM WG

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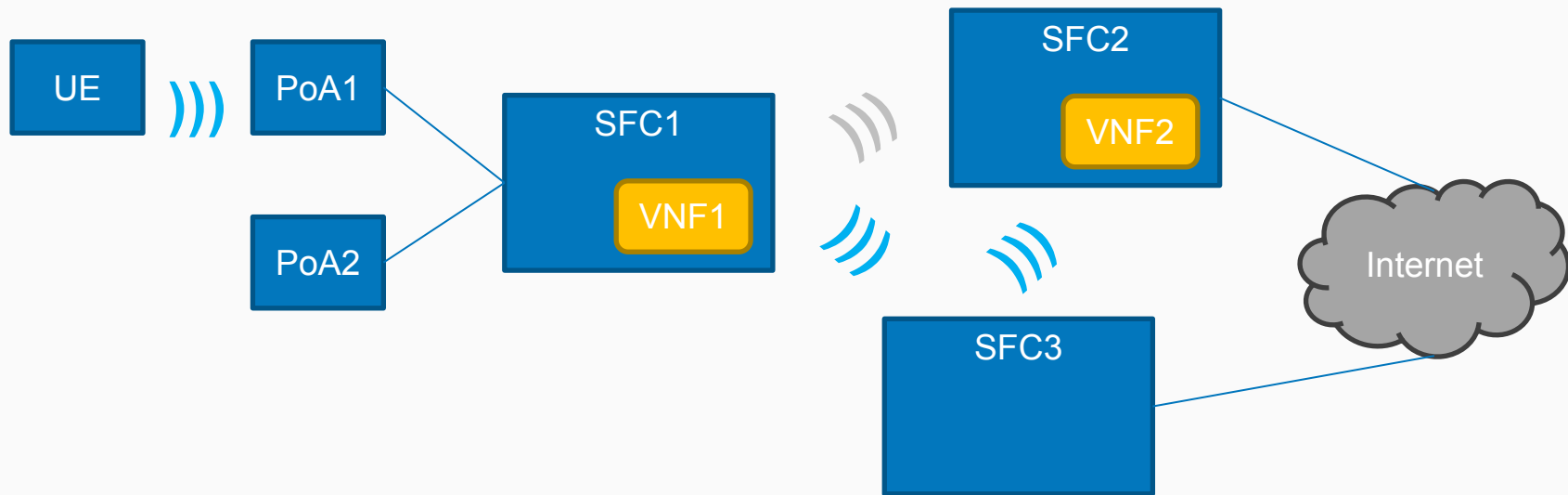
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Motivation

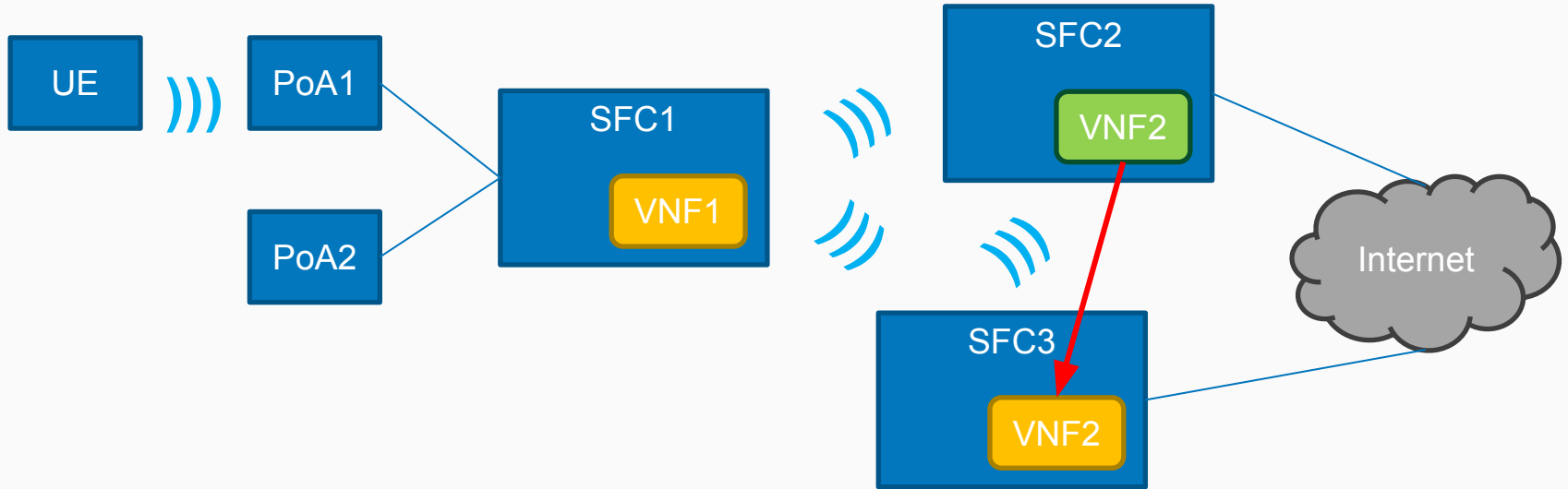
- Mobility is no longer restricted to physical end systems roaming among radio points of attachment
- Services can be decomposed into functions that run on virtualized resources, thus becoming virtual functions
- Mobility scenarios:
 1. End-system mobility (traditional scenario)
 2. Physical resource mobility, where a node hosting a virtual function (part of a service being consumed by a end-system) moves
 3. Virtual function mobility, where a part of a service moves (migrates) to a different physical resource

Resource mobility



- Can (P)MIPv6 be used to support this scenario?

Function migration



- Can (P)MIPv6 be used to support this scenario?

Next steps

- Is there interest on looking on these mobility scenarios and see how IP mobility protocols could be used?
- One example of problem and solution:
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