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Deployment Models for Distributed Mobility Management

draft-sijeon-dmm-deployment-models-00.txt

Seil Jeon, Younghan Kim

Status

 Presented and discussed in WT #4 (led by Sri) audio conference in June 2015

- The draft (-00) was submitted, Jul. 2015
 - https:// tools.ietf.org/html/draft-sijeon-dmm-deploym ent-models-00

Why function deployment model?

 Easy to define and impose the characteristics into a mobility entity

Easy to represent potential solutions

Could be co-existing with the node deployment model

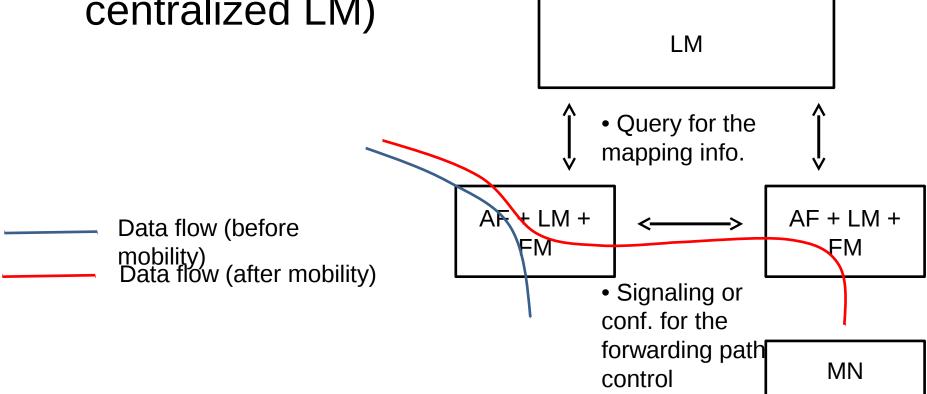
Functions for the deployment models

- Functions partially employed from RFC 7429, which defines three mobility management functions;
 - Anchor function (AF)
 - Internetwork location management function (LM)
 - Forwarding management function (FM)

 It is further split into AF-CP and AF-DP in our proposed deployment models, where needed

Deployment model #1

 D1: Distributed AM, LM, and FM (with centralized LM)



draft-seite-dmm-dma draft-bernardos-dmm-pmip

Deployment model #2

 D2: Distributed AF-DP, LM and FM with centralized AP-CP + LM AF-CP + LM ↑ • Signaling or conf. for AF-DP allocation and control Data flow (before AF-DP + FM AF-DP + FM mobility) Data flow (after mobility) Signaling or conf. for the forwarding path MN control

RFC 7389, "Separation of control and user plane for Proxy Mobile IPv6"

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Deployment model #3

 D3: Distributed AF-DP and FM with centralized AF-CP and L AF-CP + LM + FM-CP ↑ • Signaling or conf. for AF-DP allocation and **Exiginal**ling or conf. for the Data flow (before mobility) Data flow (after mobility) forwarding path control AF DP + AF-DP + FM-DP FM-DP

MN

draft-ietf-dmm-fpc-cpdp

Way Forward

- Presented models enough?
 - Or any missing models?

Q&A