DMM Deployment Models and Architectural Considerations

draft-ietf-dmm-deployment-models

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Status on the draft

• Updates presented in 100\textsuperscript{th} Singapore meeting
  – Based on comments in the list

• -04 version will include followings
  – On-Demand Control Plane Model named as Model-5
  – Missing interface names added in Model-4 and Model-5

• Waiting for comments based on the stabilized FPC draft

• -04 version will be posted soon
Status on the draft

• A new work stream being proposed for user-plane of mobile networks
  – Optimized mobile user plane for 5G
  – Segment Routing IPv6 for Mobile User Plane

• Will be welcome to have comments or opinions
  – Particularly to identify the impacts of those works on the existing deployment models
Need of discussion

- 5G Service-Based Architecture appeared
  - 3GPP TS 23.501, “System Architecture for the 5G System; Stage 2 (Release 15),” v15.0.0 (2017-12)
Model-5: On Demand Control Plane Orchestration Mode

- Mobility Controller
- Policy Function
- Home-CPA
- Home-CPA
- Home-CPA
- Access-CPN
- Access-CPN
- Access-CPN

(FPC)

Routing Controller

(FPC/BGP/Others)

Access-DPN

(FPC)

Home-DPA

UP {Tunnel/Route}
Need of discussion

- The SBA can be addressed by Model-5

- What else? Additional opinion or comment to be considered?
Next Step

• Your review requested

• Afterwards, the authors suggest moving this I-D to AD review