Distributed Mobility Management Protocol for WiFi Users in Fixed Network

Behcet Sarikaya(sarikaya@ieee.org)

Li Xue (xueliucb@gmail.com)

IETF 95

draft-sarikaya-dmm-for-wifi-04
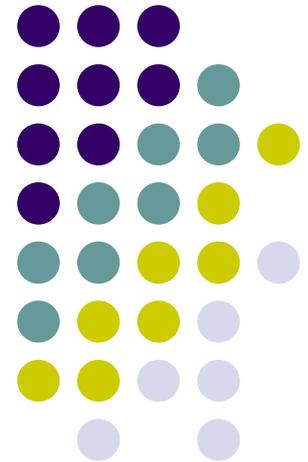
DMM for WiFi
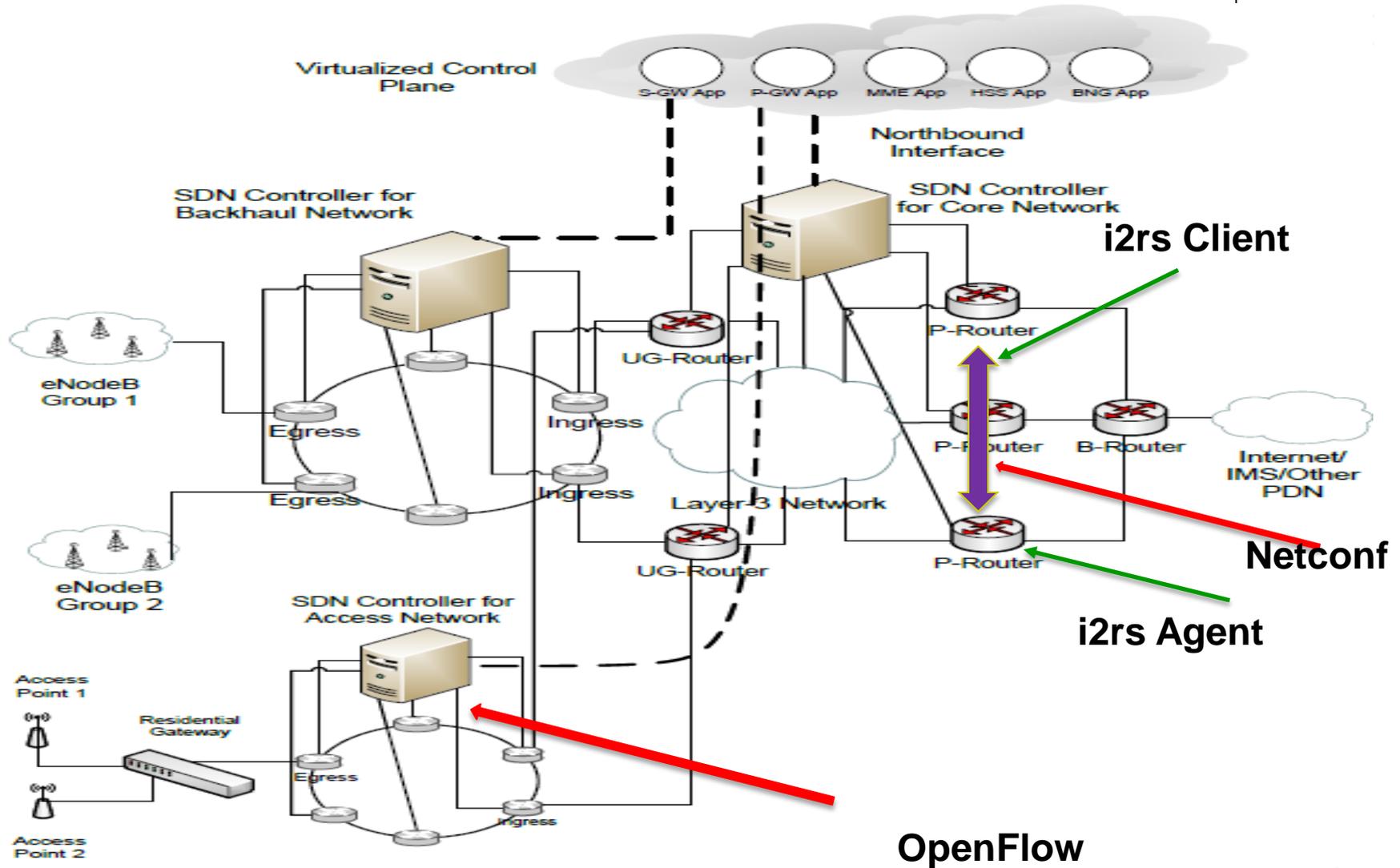
What is new in Rev. 04

- MN is assigned a prefix and it keeps this prefix as it moves

- In Rev. 04, we addressed handling route establishment after handover (host route issue) in the context of Netconf & Yang

- Used Netmod WG work on A YANG Data Model for Routing Management as the basis in experimental work

- At nUGW, retrieve the active route for MN, add a host route for the new MN, propagate upstream;

- At pUGW, delete the route

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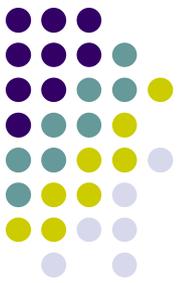
RPC to delete the route at pUGW

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- <rpc message-id="101" ... >

- get-config(running, filter=(destination-prefix, next-hop-address))

- edit-config(running, delete, config)
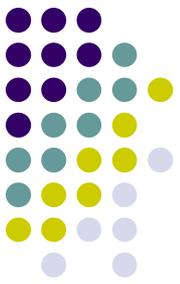
RPC to Add a new route for MN at nUGW

- <rpc message-id="101" ... >
- get-config(running, filter=(destination-prefix, next-hop-address))
- edit-config(running, create, config)

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Conclusions

- Previous revisions: Clarified SDN model for Layer 2 and Layer 3 route management

- Added Multicast support

- This revision: added route management on handover

- Future work?