NEMO Route Optimization for Personal Mobile Routers

NEMO WG, IETF 68
Vijay Devarapalli (vijay.devarapalli@azairenet.com)
Personal Mobile Router

- Could be a cell phone or a wireless router
  - Uplink is a cellular link
  - Downlink would be WLAN/Bluetooth/etc
- Acts as a personal gateway for each user providing connectivity and mobility to devices owned by the user
- Operator configured
Personal Mobile Router
Route Optimization

• Route optimization would be nice to have between two personal mobile routers
  – Otherwise all traffic between two mobile routers goes through the Operator home agent all the time
  – “Local breakout” is an attractive feature

• Good thing is that both mobile routers belong to the operator and are configured by the operator
  – Makes setting up security between the two mobile routers a bit more manageable
  – These are not two random mobile routers
Next Steps

• Will be submitting a requirements/problem statement document soon
  – It will talk about what is need for these PMRs to setup route optimization
  – It will talk about the issues too