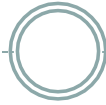


# DMM Approaches with Functional Decomposition



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**ATLANTA, NOV.2012**

# Functional Decomposition



◆ Share similar view with

[draft-chan-dmm-framework-gap-analysis](#)

◆ Basic Functional Elements

◆ MR (Mobility Router) : First hop router

◆ LM (Location Management)

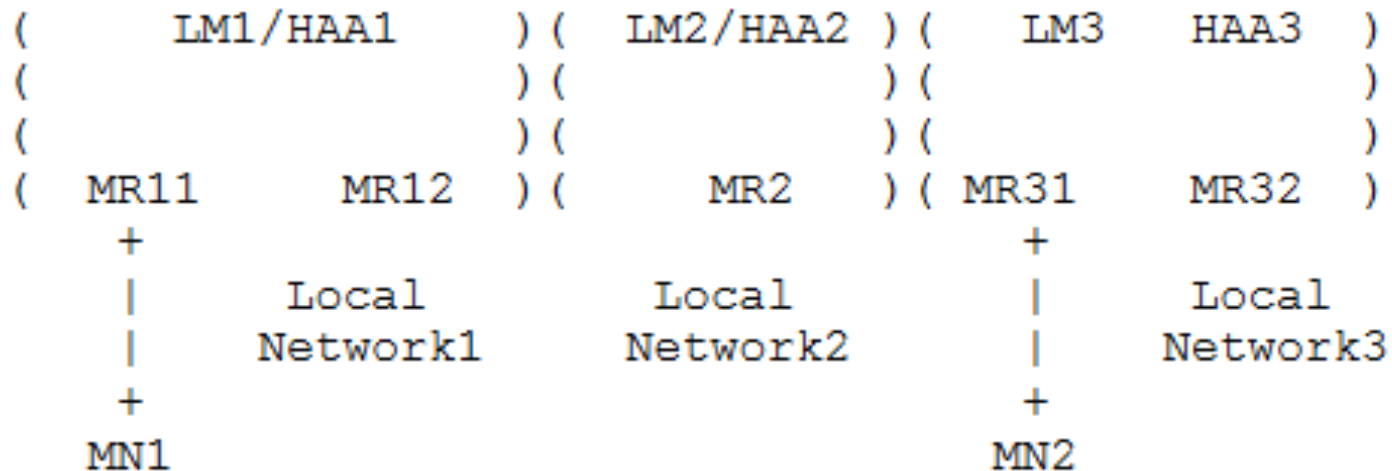
◆ HAA (Home Address Allocation)

◆ MRs are deployed in a distributed manner

◆ LM/HAA could be deployed in centric manner or deployed as distributed database

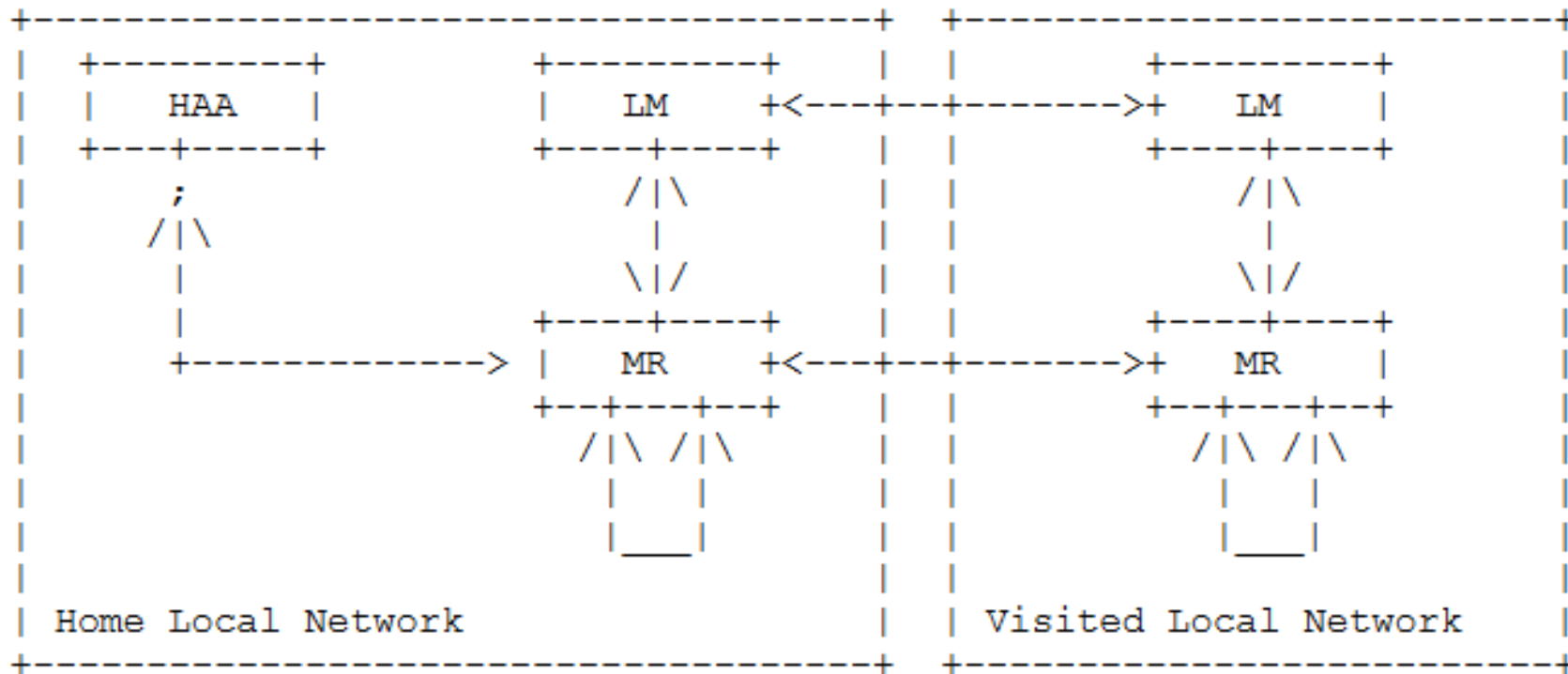
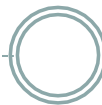
# Example of Networking Model

## One Administrative Domain



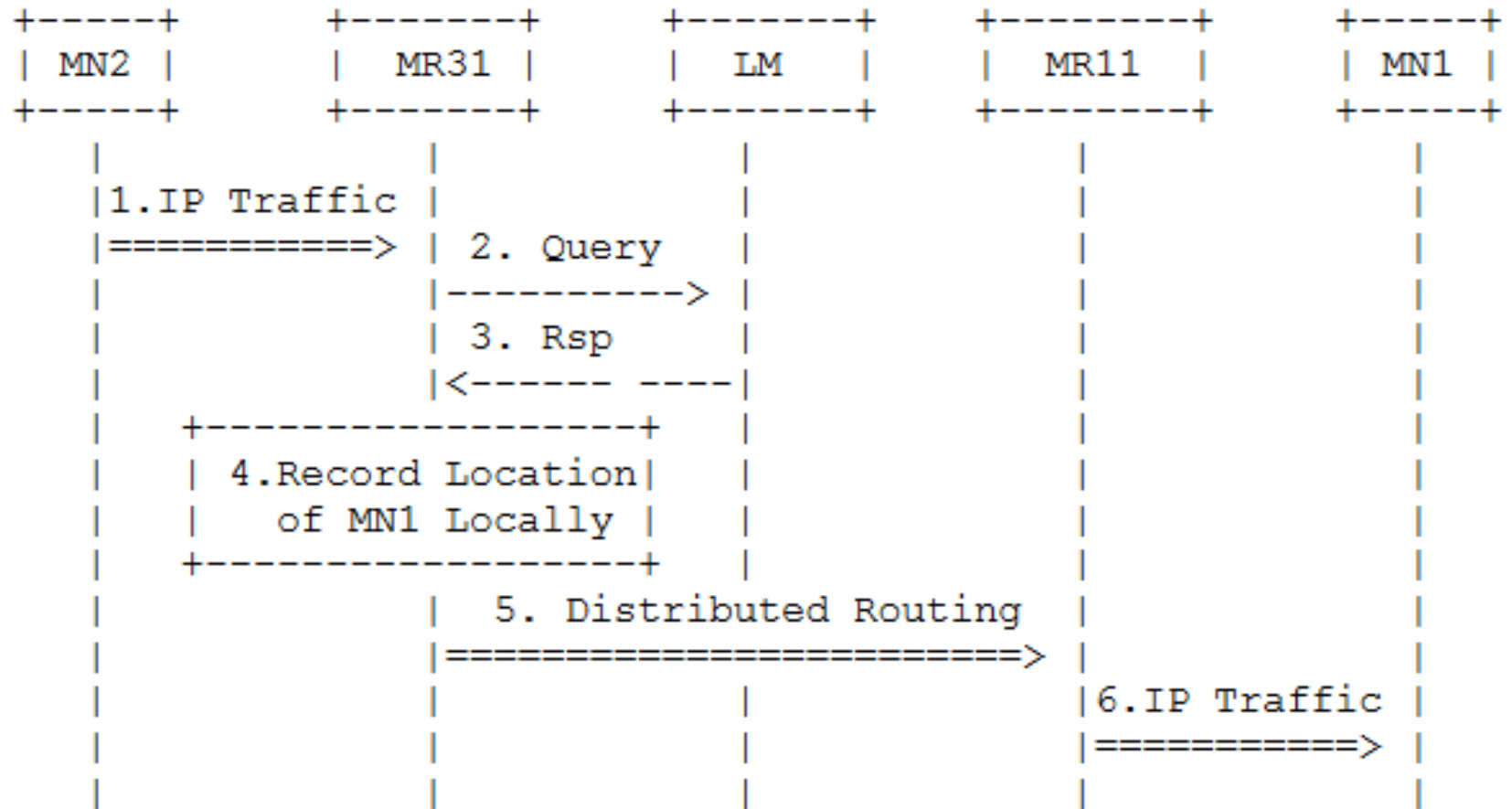
- ◆ A dmm administrative domain consists of multiple Local Networks
- ◆ Each Local Network
  - ◆ Includes one or multiple MRs
  - ◆ Includes one HAA and at least one LM
- ◆ Create Interface among LMs within this domain

# Concept Architecture



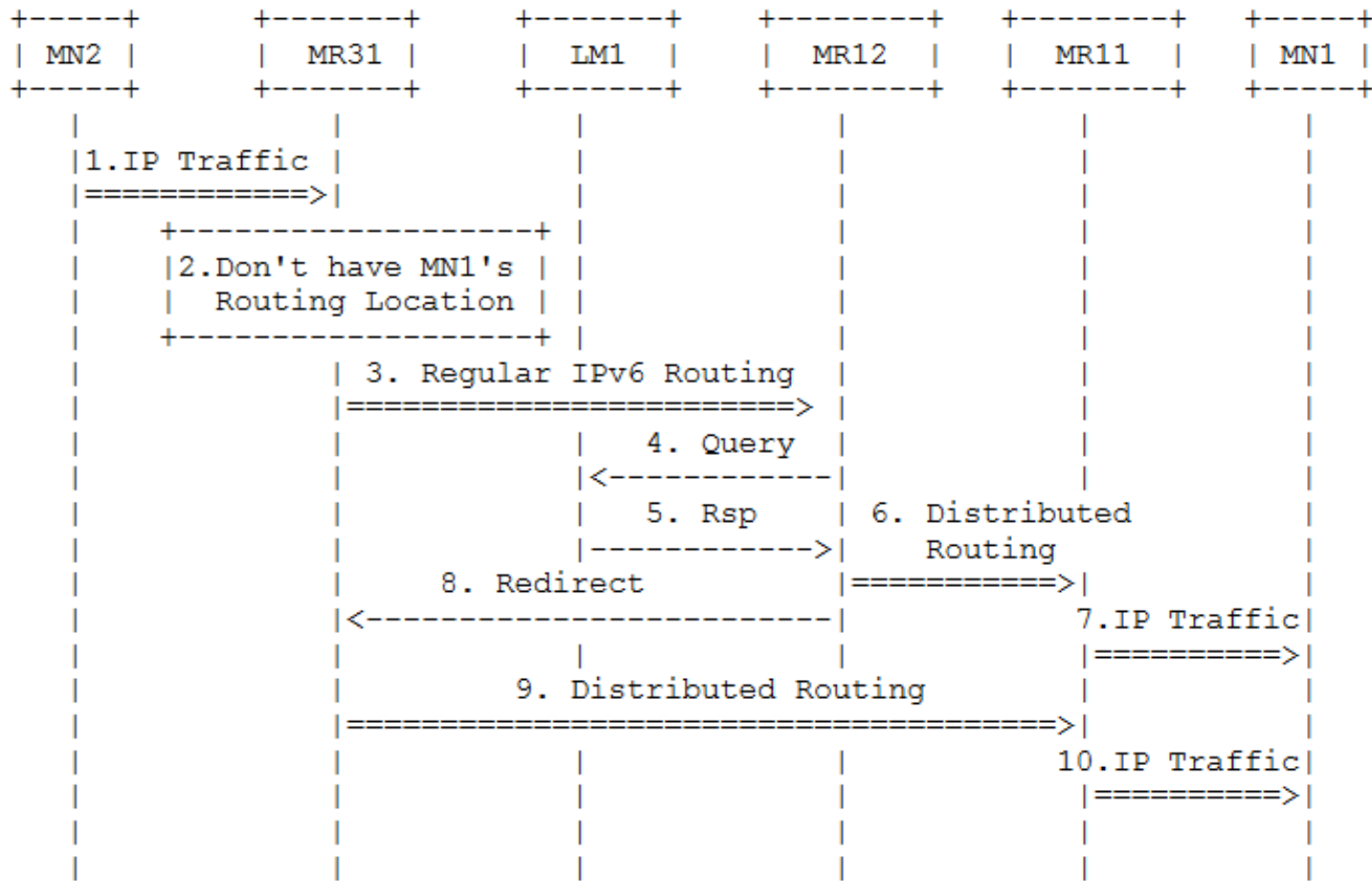
- ◆ Home Local Network: the local network in which the MN performs initial attachment and be assign with IP prefix/address
- ◆ Visited Local Network: the local network the MN is current attached to

# Optimized Routing Setup Scenario 1



◆ Buffering first few packets

# Optimized Routing Setup Scenario 2



- ◆ Transfer first few packets to MR which assigns IP prefix/address to the MN in its home network