PMIPv6-based distributed anchoring
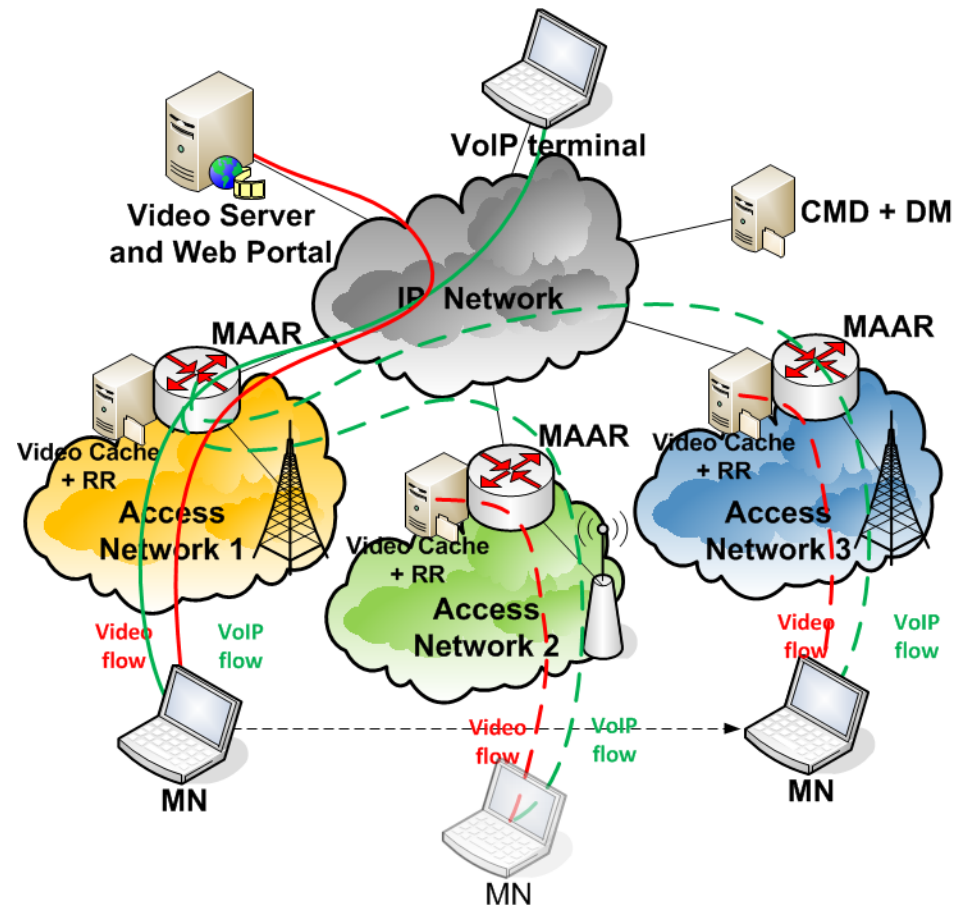## draft-bernardos-dmm-distributed-anchoring-02

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Demonstration @ IETF87

- DMM & CDN demo
- Implementing draft-bernardos-dmm-pmip & draft-bernardos-dmm-distributed-anchoring
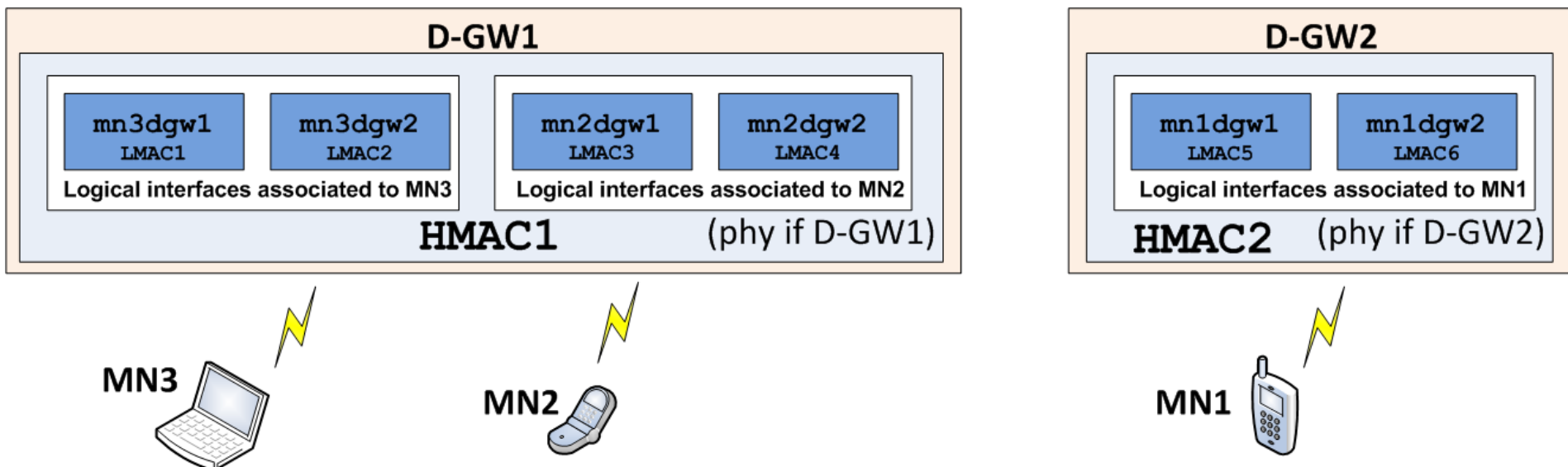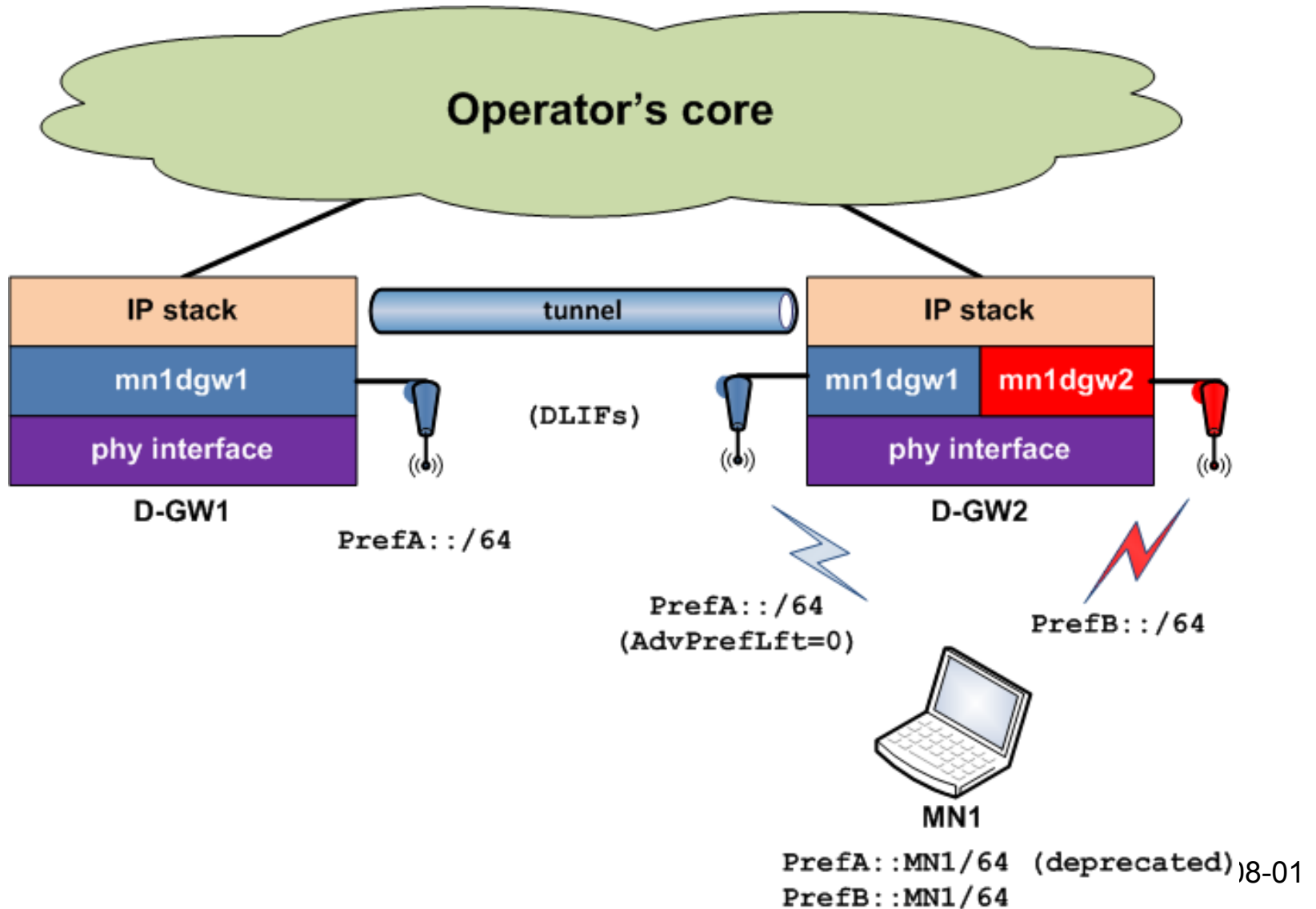
Common to other approaches

- Routers at the edge (called Distributed Gateways, D-GWs in our proposal) are able to assign locally anchored prefixes to the MNs

- Solution based and compatible with RFC5213

- D-GWs behave as LMA/MAG
  - As LMA for locally anchored prefixes
  - As MAG for attached MNs that have active prefixes anchored elsewhere

- Benefits from MN preferring a locally anchored IP address over any other for new communications

- It does not require end-host modifications
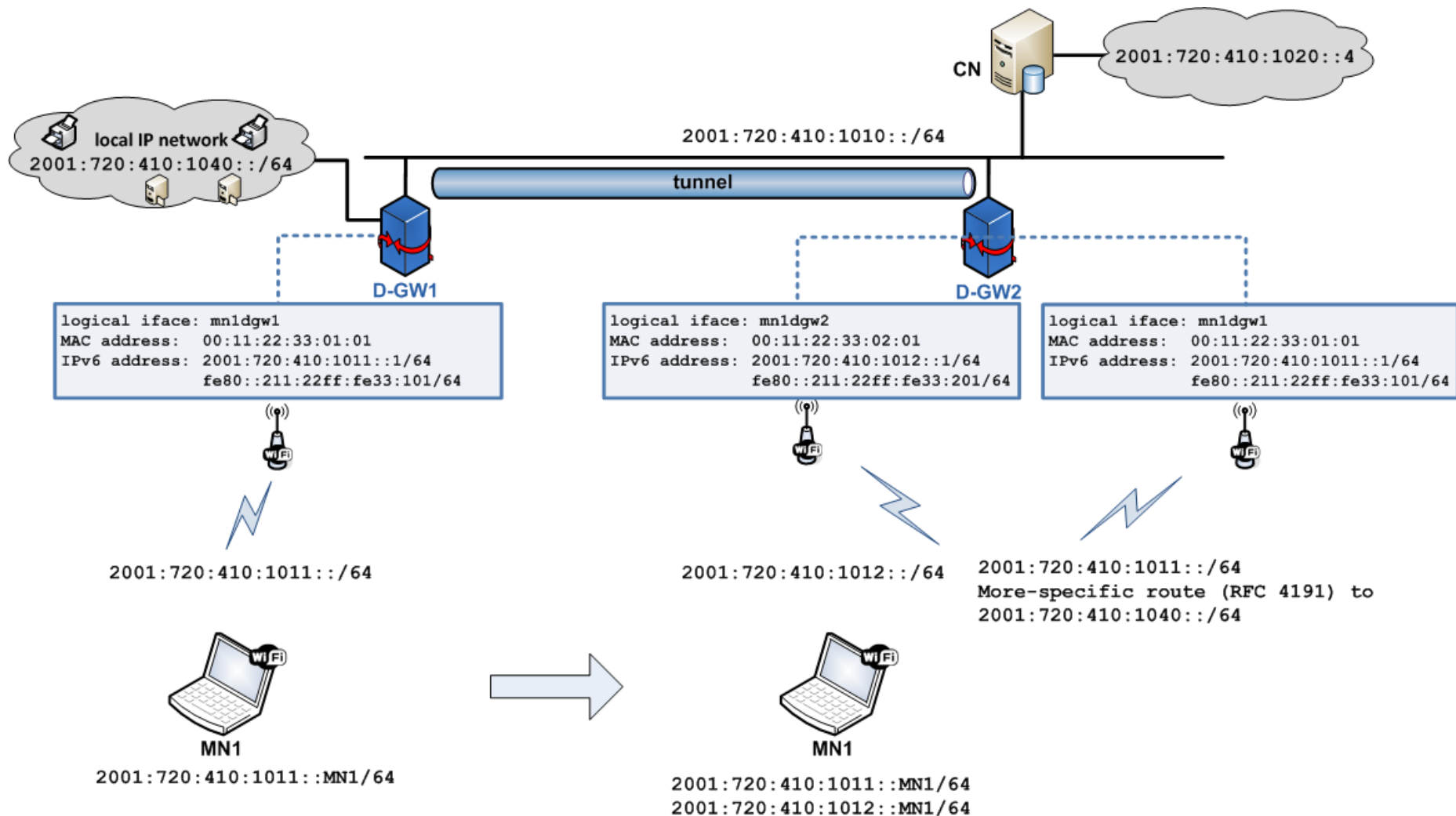
Specific to this proposal

- Distributed Logical Interface (DLIF) concept

  - The DLIF is a software construct allowing to hide the change of anchor from the MN

  - Each serving D-GW exposes itself towards a given MN as multiple routers, one per active anchoring D-GW associated to the MN

    - This is achieved is by the serving D-GW configuring different logical interfaces
    - From the point of view of the MN, the anchoring D-GWs are portrayed as different routers, although the MN is physically attached to a single interface of the serving D-GWs

  - The DLIF concept is applicable to other network-based solutions

Solution overview

Solution overview

Summary

- The I-D details D-GW protocol operations and new message formats

- The DLIF concept applies to other network-based DMM solutions

- Comments are welcome