

# Interconnect Solution for EVPN Overlay networks

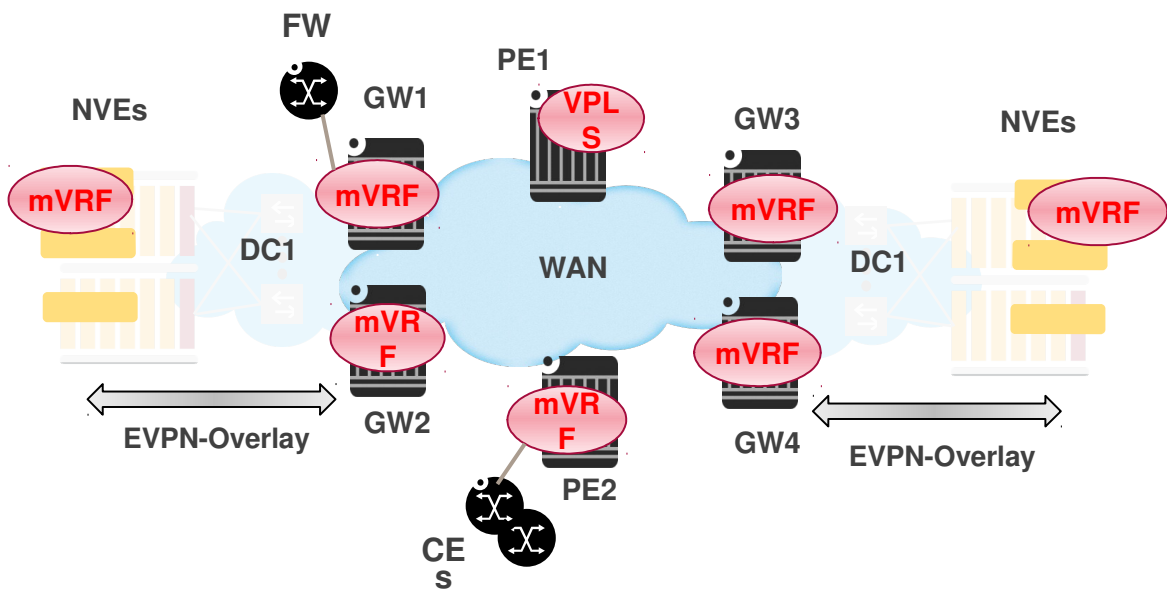
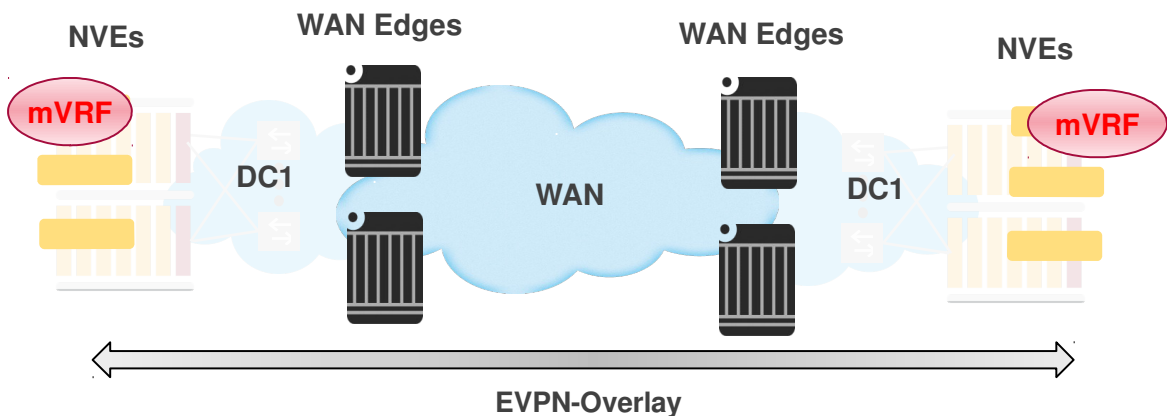
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## draft-ietf-bess-dci-evpn-overlay-01

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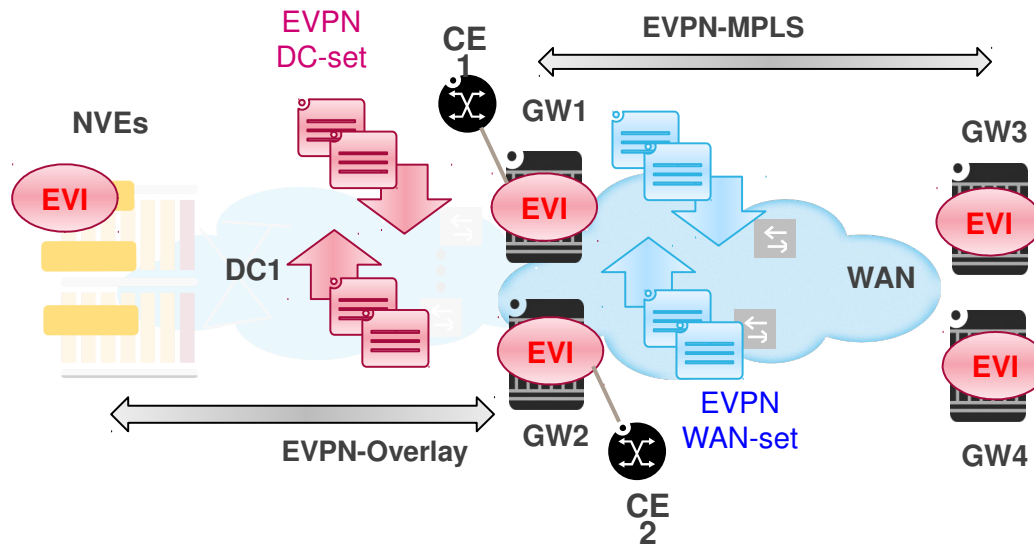
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# How to interconnect EVPN-overlay networks



- Interconnect without a GW draft-ietf-bess-evpn-overlay
  - No MAC-VRF instance on WAN Edges
  - WAN Edges act as ASBRs, with VNIDs used as local significant values
- Interconnect with a GW draft-ietf-bess-dci-evpn-overlay
  - MAC-VRF instance on GWs to provide an interconnect to heterogeneous WAN networks
  - GW can use VNIDs as local or global values
  - Protects/isolates the EVPN-overlay network

# Changes in rev 01



- Clarifications added in the EVPN-MPLS interconnect section
  - Special thanks to John

- GW1 and GW2 clarified behavior:
  - Eth-tag consistency for re-advertised routes
  - GW1 and GW2 need to process each other's two sets of EVPN routes in a deterministic way
  - DC-set has higher priority when setting up an EVPN destination for unicast or BUM between GW1 and GW2

# Next steps

- WG Feedback requested