

# draft-sajassi-l2vpn-evpn-inter-subnet-switching-02.txt

A. Sajassi (Cisco), S. Salam (Cisco), Y. Rekhter (Juniper), John Drake (Juniper), Wim Henderickx (ALU), Florin Balus (Nuage), Lucy Yong (Huawei), Linda Dunbar (Huawei)

IETF 87, July 2013

Berlin

# Changes from rev01

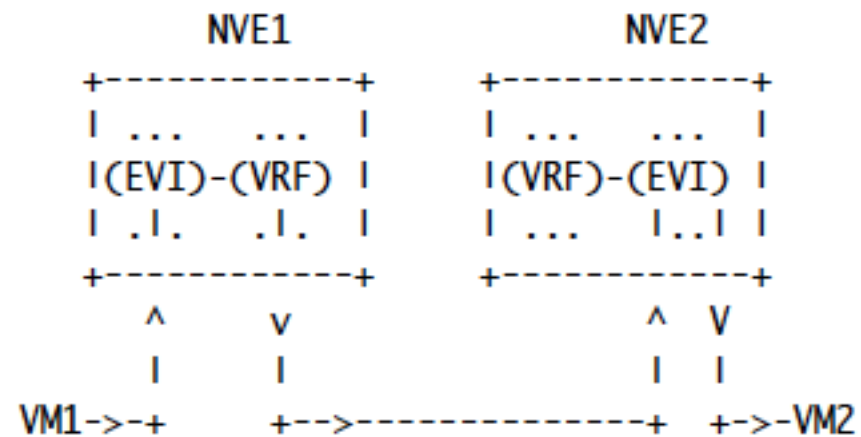
---

- Rev01 covered only homogenous Scenarios where it was assumed IRB functionality is present at all PE devices
- This rev of the draft expands the scenarios to heterogeneous environment where not all PE devices have IRB functionality because:
  1. Some PE devices may not have the IRB capability
  2. It is preferred to control policies centrally at the WAN-edge PE devices

# Homogenous Scenarios

---

Inter-Subnet Forwarding Among E-VPN NVEs within a DC



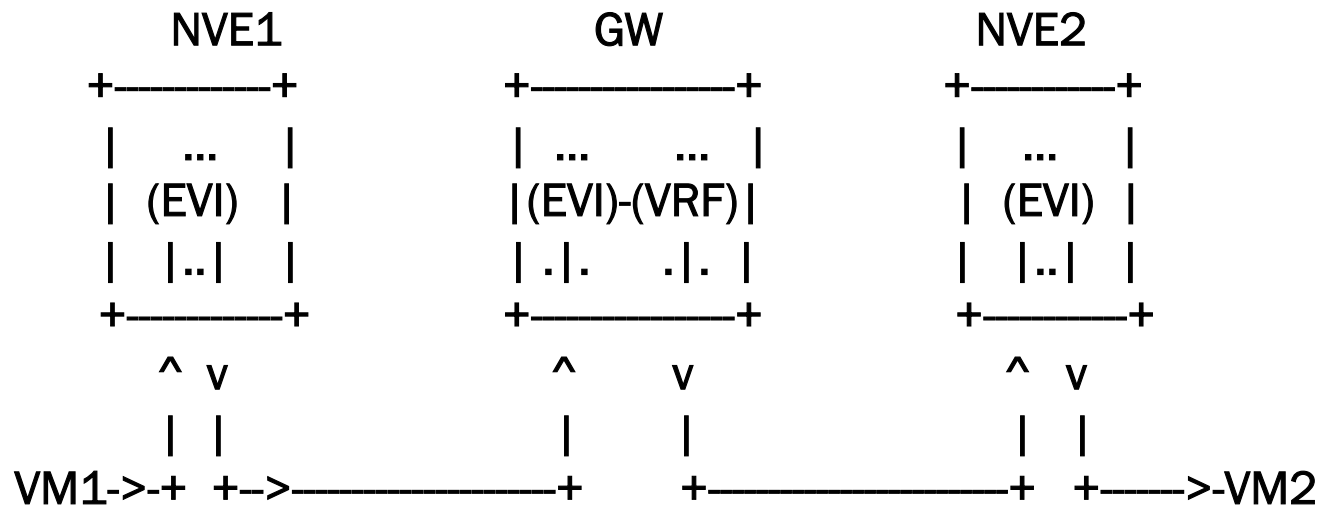
# Homogenous Scenarios – Cont.

---

1. Connecting E-VPN sites within a DC
2. Connecting E-VPN sites in different DCs without route aggregation
3. Connecting E-VPN sites in different DCs with route aggregation
4. Connecting IP-VPN sites and E-VPN sites with route aggregation
5. Connecting IP-VPN sites and E-VPN sites without route aggregation

# Heterogeneous Scenarios

---



IRB functionality doesn't exist in all PE devices

# Next Steps

---

- Solicit more inputs