

# VRF and other matters

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# Improvements

# VRF issues



## VRF's issues:

- TierX cannot easily select peers: all or nothing
- BGP communities not used/not implemented
- Asymmetry leads to blind spots

# Improvement 1: EBGP multihop



**Allow EBGP multihops between pairs of TierXs for Data transfers.**

Current BGP peerings used as "IGP" among VRFs and connected TierXs (distribution of VRFs prefixes).

No need to change current routing architecture for sites that don't need special/restrictive policies.

# Improvement 2: P2P tagged VLANs



**Define p2p vlans to allow direct peering between pairs of TierX**

All links (VRFs interconnections and Tierx access) become 802.1q tagged

Thus P2P vlans with no redundancy can be defined through different VRFs

Can be automated with AutoGOLE-like software

# Leadership

# LHCONE leadership



Lack of leadership causes:

- not clear directions
- no clear responsibilities
- delays

**LHCONE leadership options:**

- restricted board (1 Experiment, 1 Tierx, 1 Carrier)
- single entity (CERN?)
- Unanimously appointed person
- ...

**Comments, please**