Scaling of MPLS VPNs
Proposed Non-Working Group Forming BoF

IETF 89 – London
Xxxday, yy:zz-aa:bb
Issues and Concerns

• What type of scaling are of interest?
  – Size of VPNs
    • Number of sites
    • Number of prefixes
    • Size of multicast trees
    • "Distance" between sites (multi-AS)
  – Number of VPNs

• What are the real scaling points
  – MPLS specific
  – VPN specific
Drafts already posted-I

Note this is a layman’s approximation, some might have been missed other added by mistake

• CCAMP
  – draft-fedyk-ccamp-uni-extensions

• L3VPN
  – draft-gs-vpn-scaling
  – draft-xu-l3vpn-virtual-subnet
  – draft-renwei-l3vpn-big-label
Drafts already posted - II

• L2VPN
  – draft-zhang-l2vpn-evpn-selective-mcast
  – draft-sd-l2vpn-evpn-overlay
  – draft-rabadan-l2vpn-evpn-prefix-advertisement
  – draft-hao-l2vpn-evpn-mhn
Drafts already posted - III

• MPLS
  – draft-renwei-mpls-big-label
  – draft-li-mpls-mega-label
  – draft-li-mpls-label-stack-distribution
  – draft-li-mpls-global-label-usecases

• NVO3

• PWE3
Desired outcome

- List Critical scaling issues
- Commonality between the scaling issues
- Coordinate and kick-start necessary work in the correct place.
- Action Items
BoF Preparing Process

- Announce the BoF as early as possible (preliminary here in Vancouver)
- Request contributions
- Stuckees
- Build Agenda
BoF Agenda (outline)

• Presentation 1
  – Clarifying questions

• Presentation 2
  – Clarifying questions

• Presentation 3
  – Clarifying questions

• Discussion

• Summary