Requirements for IPv6
Customer Edge Routers

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v6ops Working Group
Background

• “Basic IPv6 CE router requirements”, passed WGLC and on its way to the IESG
• Punted all contentious issues to “phase 2”
• Premise:
  – is non-innovative, as in not specifying new behaviour or protocols
  – overlaps with the work of other SDOs
  – akin to a product profile rather than protocol work
Issues list

1. QoS
2. Service Discovery
3. DNS
4. Multicast
5. Arbitrary complex topologies
   1. Prefix sub-delegation
   2. Routing in the LAN
   3. …
6. IPv6 transition mechanisms
7. IPv6 only (NAT64)
8. Firewall pinholing
9. Multi-homing (also to non-congruent topologies)
Next steps

WG support for work on the “Advanced IPv6 CE router requirements” document?

Please volunteer to the design team

Enjoy piece and quiet