

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

