

Use of multiple instance OSPF for PE-CE

draft-ishiguro-ppvnp-pe-ce-ospf-01.txt

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Simple way to use OSPF for CE-PE protocol

- Multiple instance of OSPF
- Assign OSPF instance to VRF
- Just use normal redistribution procedure with RFC2547bis
- That's it

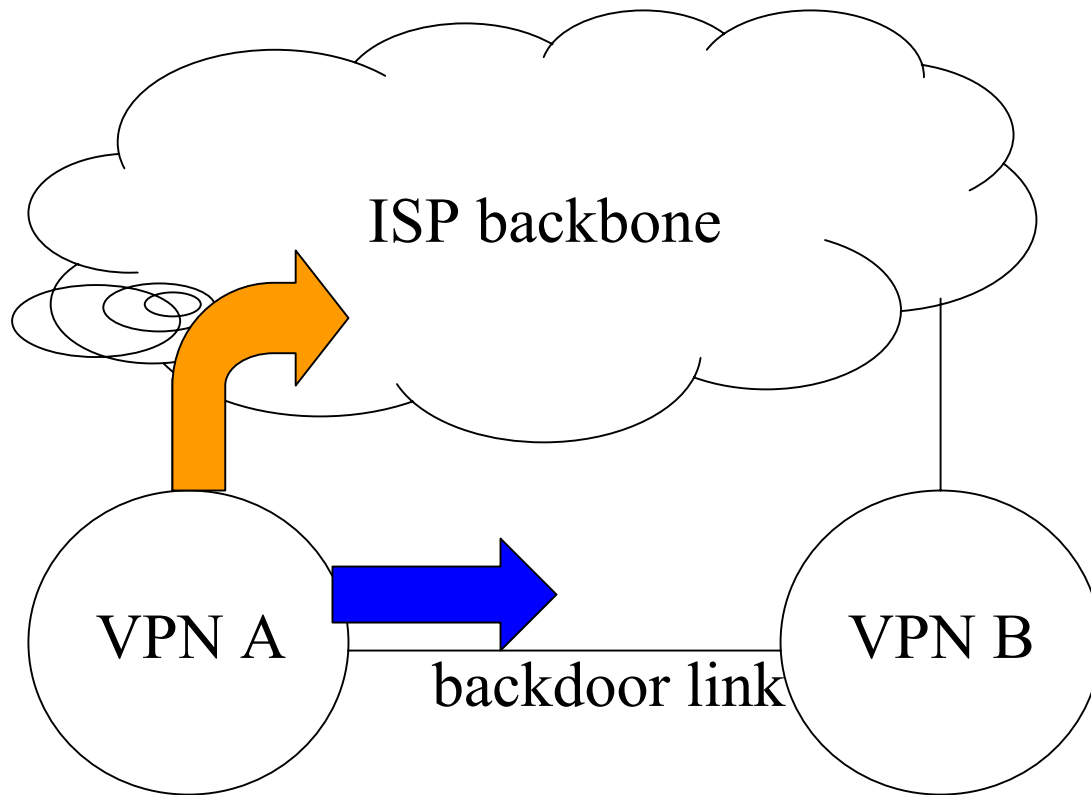
Benefit

- Any OSPF area configuration can be use between CE and PE
- Area 0 can be exists in customer network in any form
- BGP does not carry additional information
- Applicable to IS-IS

Drawback

- VPN routes are propagated as Type-5 LSA (Type-3 in rosen-draft)
- So VPN routes may overlapped with real Type-5 LSA
- When there is a OSPF backdoor link the link will not be used

Drawback (2)



Next Step

- This draft complement draft-rosen-vpns-ospf-bgp-mpls-05.txt
- Is this useful?

