

Diverse path

draft-ietf-grow-diverse-bgp-path-dist-02

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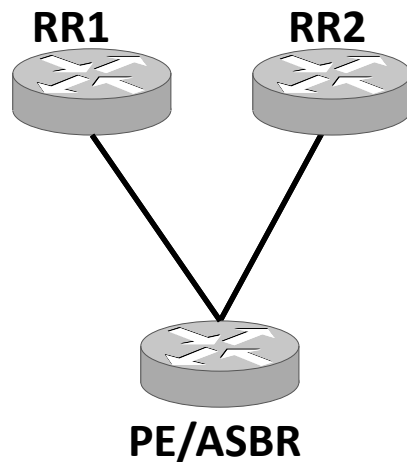
Diverse path – what's new

- Re-published as GROW WG document
- Intended to be informational document (no new protocol extensions)
- Conducted poll among operators on their preference of deployment options
- Full backwards compatibility with existing RR models.
- Simplified deployment to no longer require adding a new plane of RRs

Diverse Path deployment models:

Today's case:

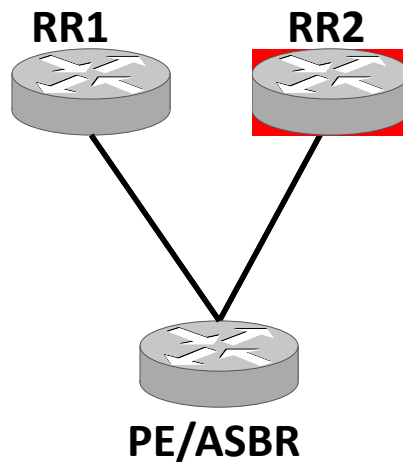
10/8 - P1*, P2



10/8 - P1 via RR1
- P1 via RR2

Model 1:

10/8 - P1*, P2

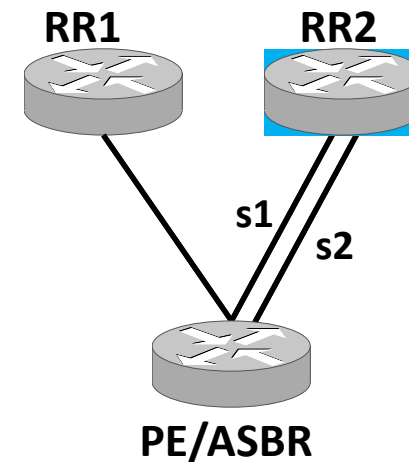


10/8 - P1 via RR1
- P2 via RR2

RR1 & RR2 same IGP
location or IGP metric
ignore in best path

Model 2:

10/8 - P1*, P2



10/8 - P1 via RR1
- P1 via RR2 s1
- P2 via RR2 s2

Possible to peer both
sessions s1 and s2 to the
same loopback on
PE/ASBR.

Diverse path – what's new

- **Works for any routing AFI/SAFI ... IPv4, IPv6, RFC 3107, VPNv4, VPNv6.**
- **Open issues:**
 - **Concern of memory on the receivers. General issue applicable to any technique which distributes more than single best path to clients.**

Diverse path – next steps

- **The document is stable**
- **More cleanup of the deployment scenarios will be provided in ver -03**
- **Up to the GROW WG to last call it now or wait for an implementation which should be available around Beijing IETF**

Questions are always welcome ...