BGP Multipath in Inter-AS Option-B

draft-mohanty-bess-mutipath-interas-00

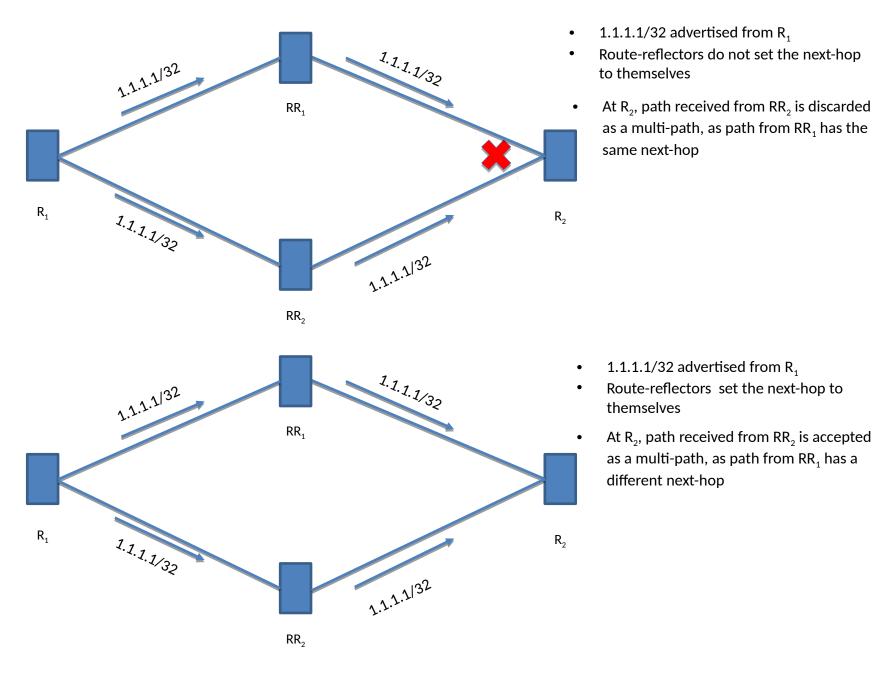
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Introduction

- BGP Multipath: More than one path to the destination in the forwarding
- Standard Concept, All vendors support it. But no standardization has been done.

- Implementations take into account the uniqueness of the next-hop.
- No label taken into consideration



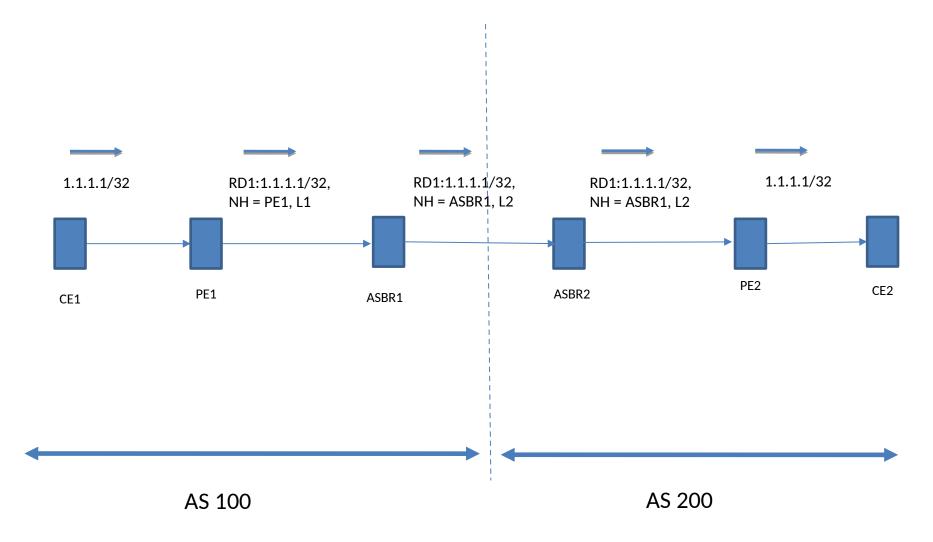
Inter-as Option B

Defined in RFC 2547

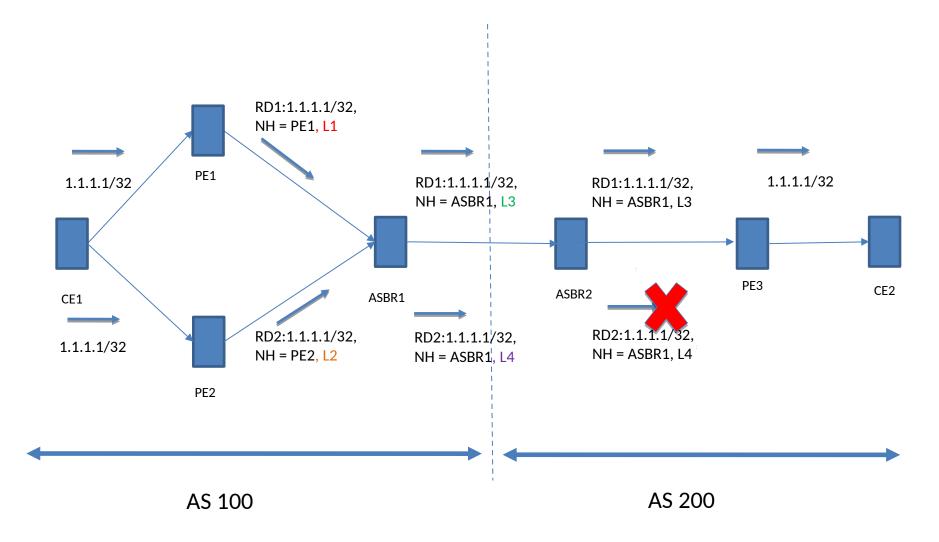
 Control and Forwarding over the Autonomous System Boundary Router (ASBR)

Next-hop Reset at the advertising ASBR

Option B Inter-AS Topology



Option B Inter-AS Topology



Proposed Solutions

 Use a different next-hop via policy at the ASBR. But this next-hop has to be injected into the receiving AS. Also Configuration overhead

 Use the tuple (next-hop, label) when determining the multi-path at the receiving PE

Option B Inter-AS Topology

