



SRv6 & MPLS dual connected PE

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ABOUT ME



SRv6 & MPLS dual connected PE

Why this topic?





Concept



Idea, design and
implementation

Problems



Problems &
solutions

Template



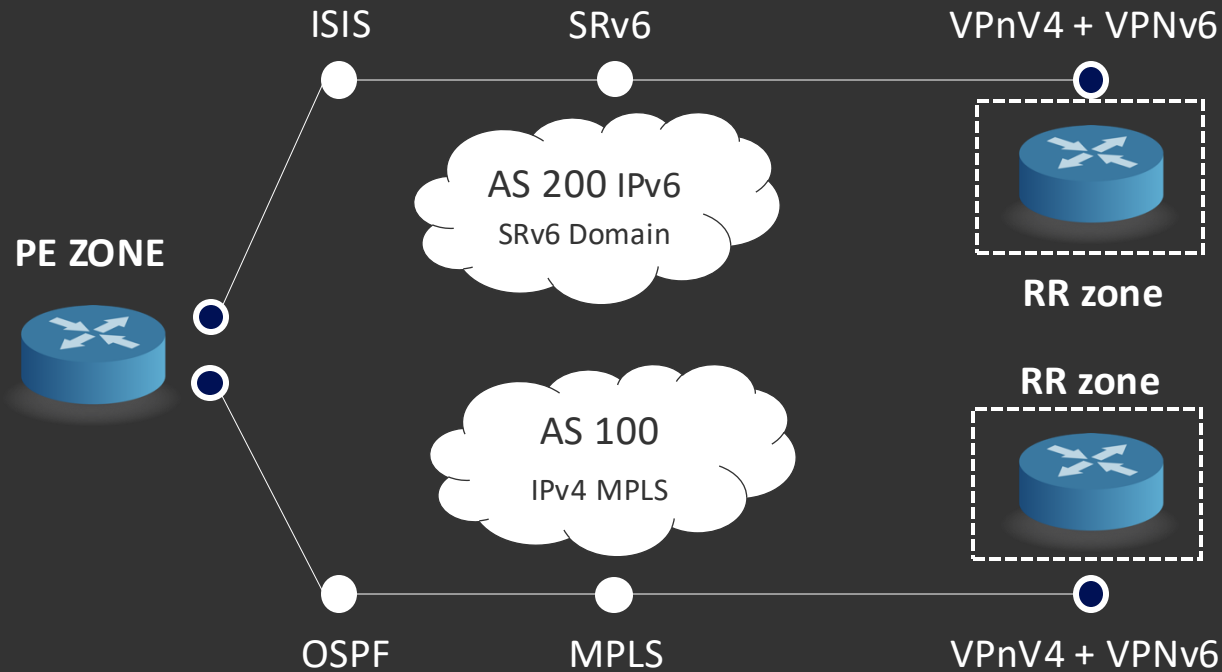
Day zero
template

QoS





Concept - SRv6 & MPLS dual connected PE



Enable Segment Routing for IPv6 (SRv6) for L3VPN service

Enable Multiprotocol Label Switching for L3VPN Service

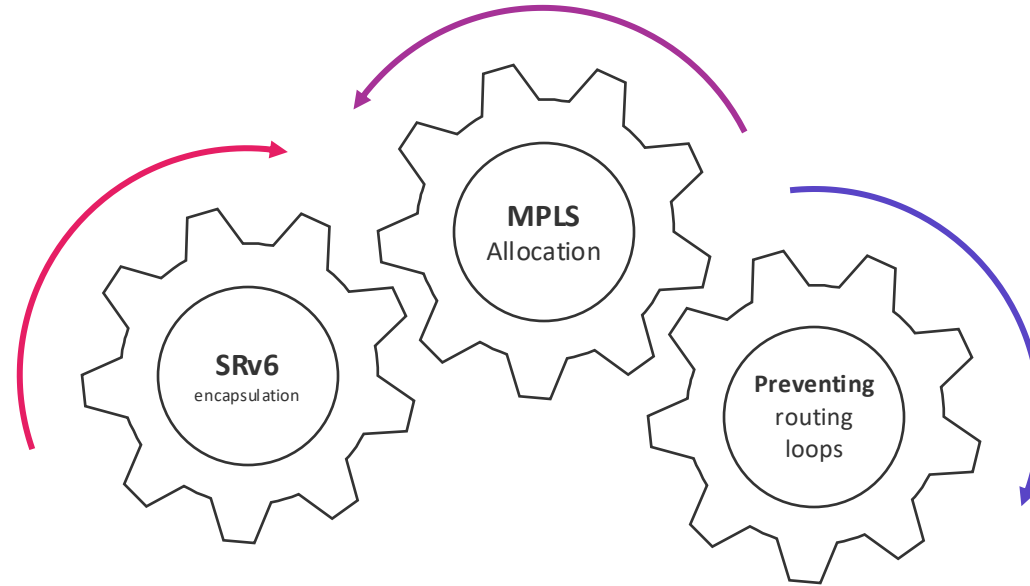
Force SRv6 encapsulation for SRv6 domain

Special cases

- Fake AS number
- Preventing routing loops



Day zero Template



MPLS Label allocation

- Mpls alloc enable
- Segment-routing srv6
- Locator
- Alloc mode per-vrf

SRv6 encapsulation

- VPNv6 encapsulation-type srv6
- VPNv4 encapsulation-type srv6

Routing protocols

- Dual ISIS process
- Dual OSPF process
- "Fake" AS Number (Special cases)
- Preventing routing loops

Questions & answers





**Thank you for
your time!**