

simple VPN solution using Multi-point SA

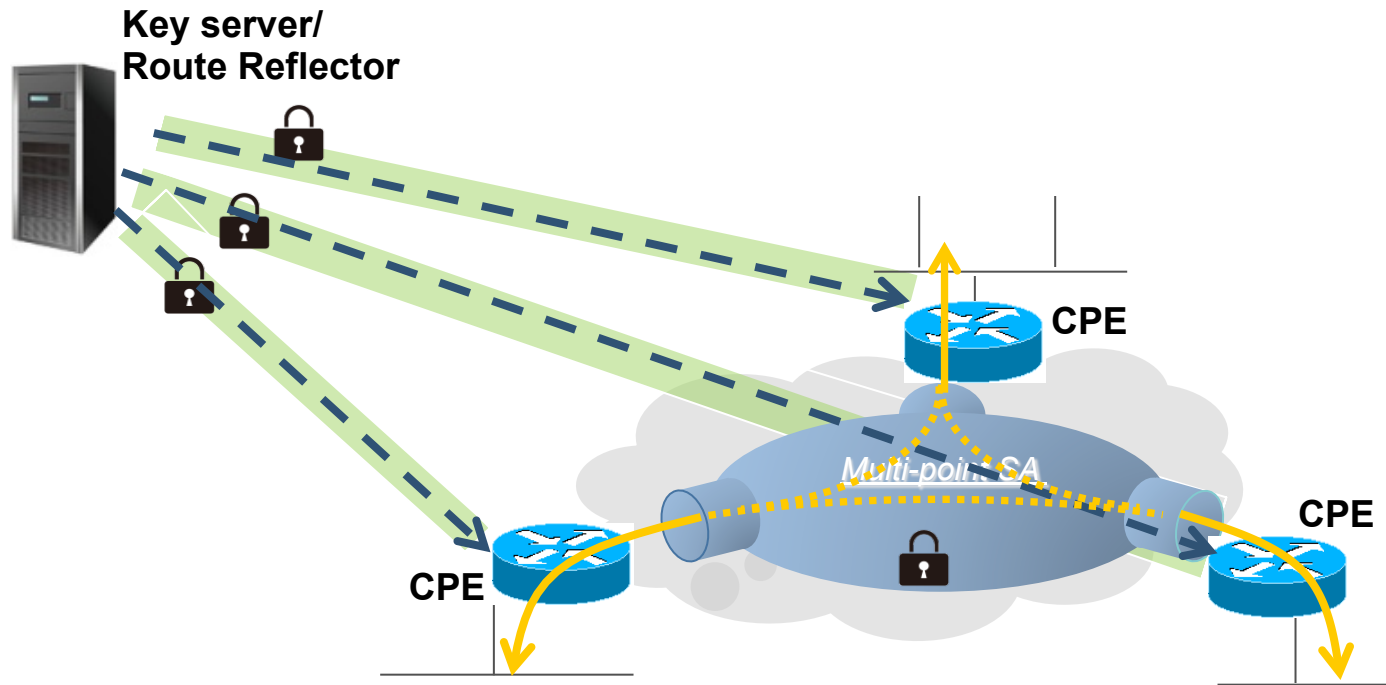
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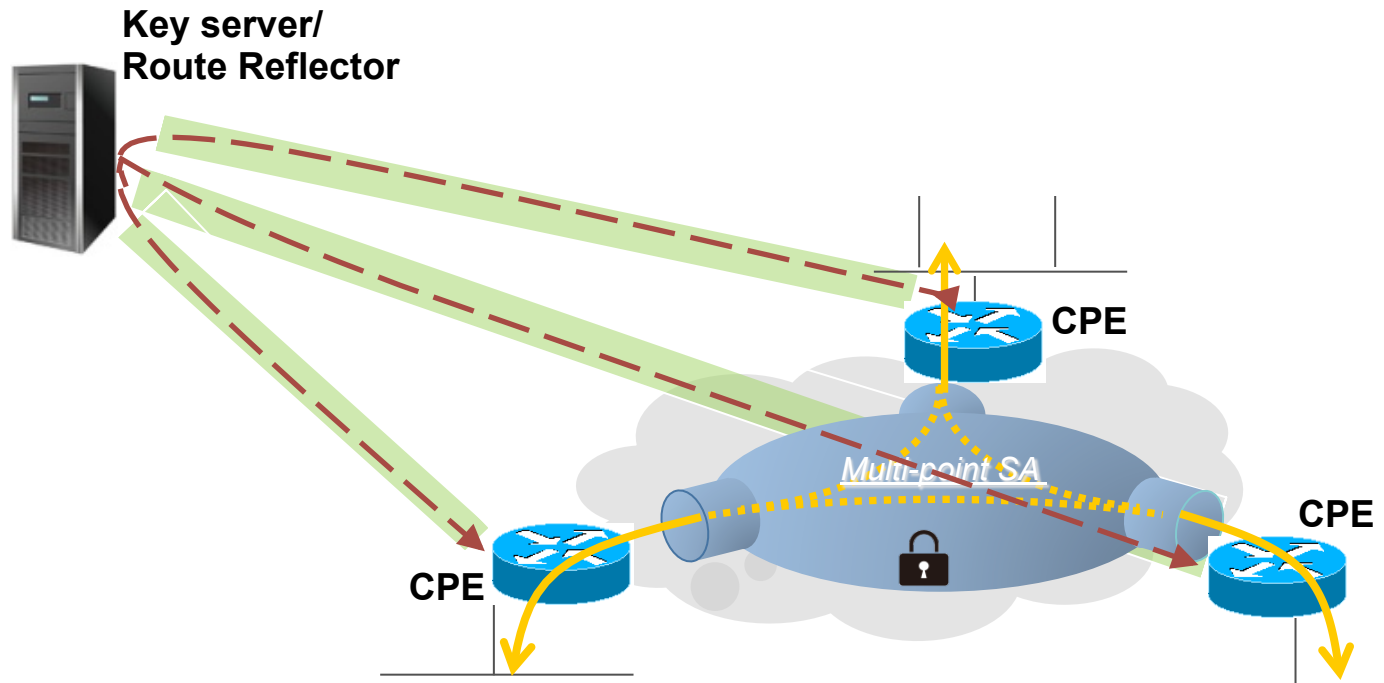
Motivation

- VPN solution is needed for a VPN service, that requires
 - Peer-to-Peer communication
 - Full Mesh topology
 - Peer address resolution
 - Scalability
 - Minimum configuration at CPE(They are required by ad-vpn)
- This draft presents a vendor solution

Solution



- Multi-point SA is introduced for meshed tunnel network. CPE communicates others with single mpSA
- Key distribution method is implemented to IKEv2



- RFC5565 is used for routing on meshed tunnel network. CPEs advertise
 - Route information for route-based VPN
 - Tunnel destination for peer address discovery

Next steps

- Need comments and feedbacks
- Update text (some network operators will be joined)