

Prefix Dissemination for Semi-Automatic Addressing and Renumbering

`draft-lamparter-lsr-v6ops-pd-aargh[-00]`

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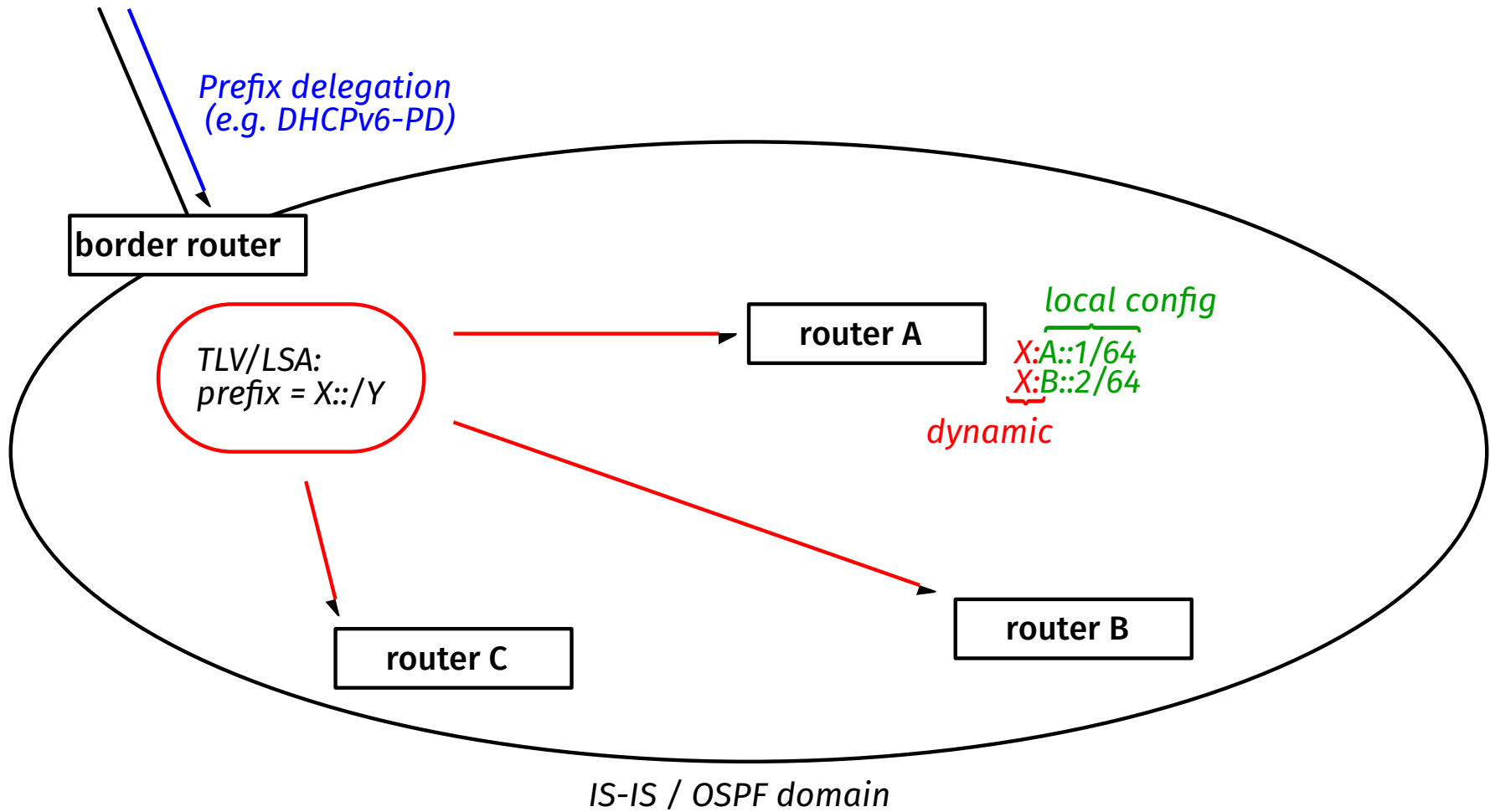
Target use case

Hole left between enterprise users (own IPv6 space) and SOHO (only 1 router, or hierarchical PD)

These are frequently IPv4-only setups for now.

What is this?

- Routers at network edge dynamically pick up IPv6 prefix assignment (e.g. from DHCPv6-PD)
- Stick that in an LSA/TLV
- Have other devices set up addressing off this
- # LSAs/TLVs \propto # uplink connections
- NOT autonomous addrs, just dynamic prefix



Is this routing information?

Well... no addresses = no routing?

Do need this information to bootstrap

A blackhole route will (or: should) generally exist in the same place to avoid loops

Y/N?

Right now: only trying to determine whether carrying this in OSPF & IS-IS is reasonable.