Host renumbering w/o router renumbering
End-to-End Transparency Across Local Addressing

Loc@A
=> Glob@A

ISP IPv6 prefix

ULA's

DHCPv6

Loc@B
=> Glob@B
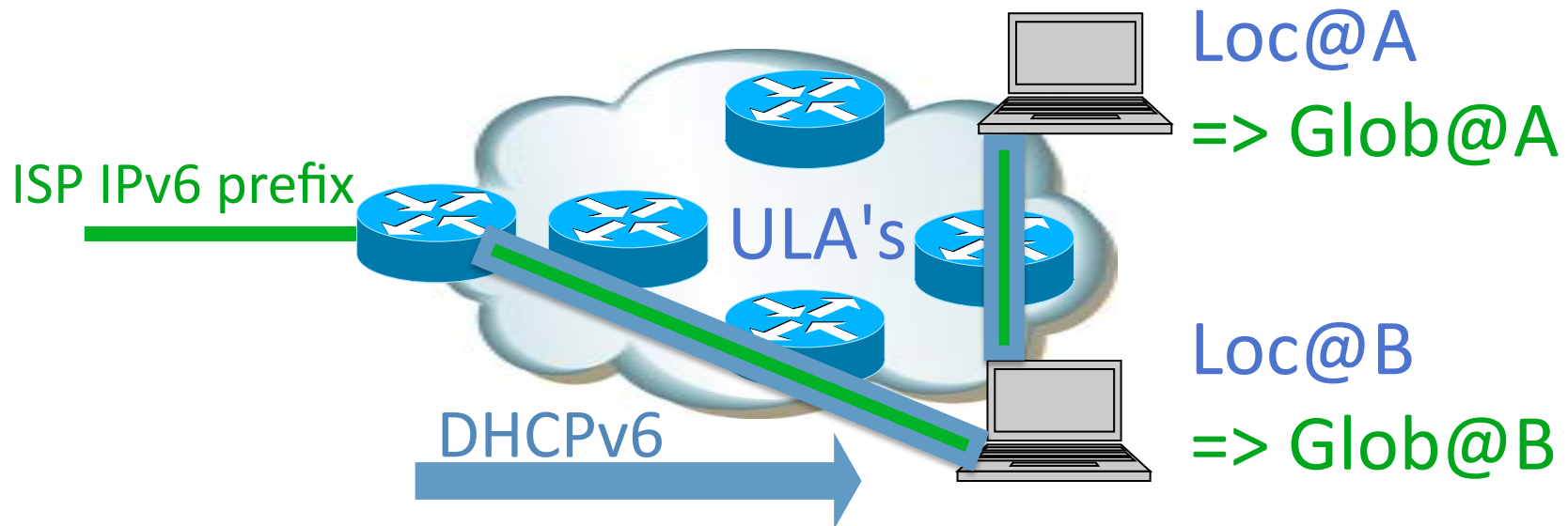
- Intra-site routers don't renumber (ULA's of RFC 4193)

- Hosts learn Address-Mapping rules in DHCPv6, and tunnel global IPv6 packets

$\Rightarrow$ When an ISP prefix changes, a DHCPv6 update is sufficient

$\Rightarrow$ Multihoming with ingress filtering can work (Glob@A(ISP1) AND Glob@A(ISP2)>

CONSTRAINTS:

- Hosts must cooperate

- Global-address IPv6 traffic is tunneled