

Optimizing EIGRP in Uncommon and Complex Scenarios



Nick Russo

NETWORK ENGINEER

@nickrusso42518 www.njrusmc.net



Agenda

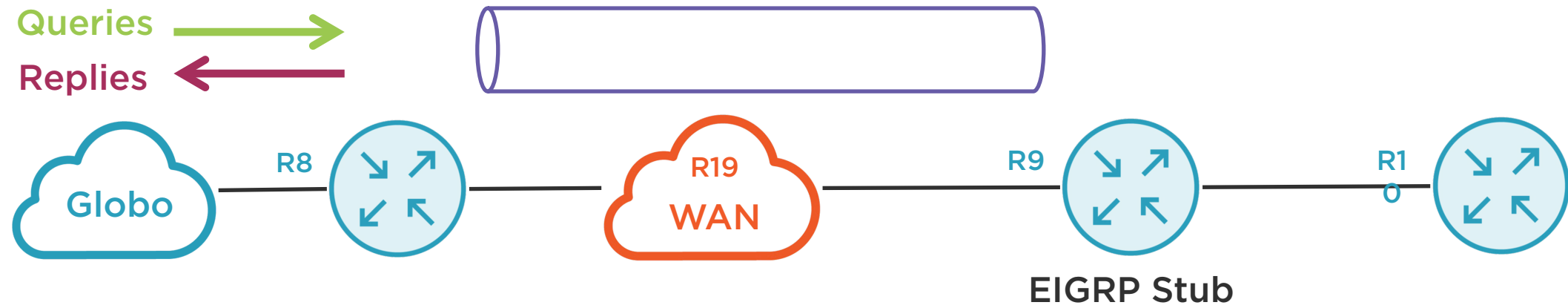
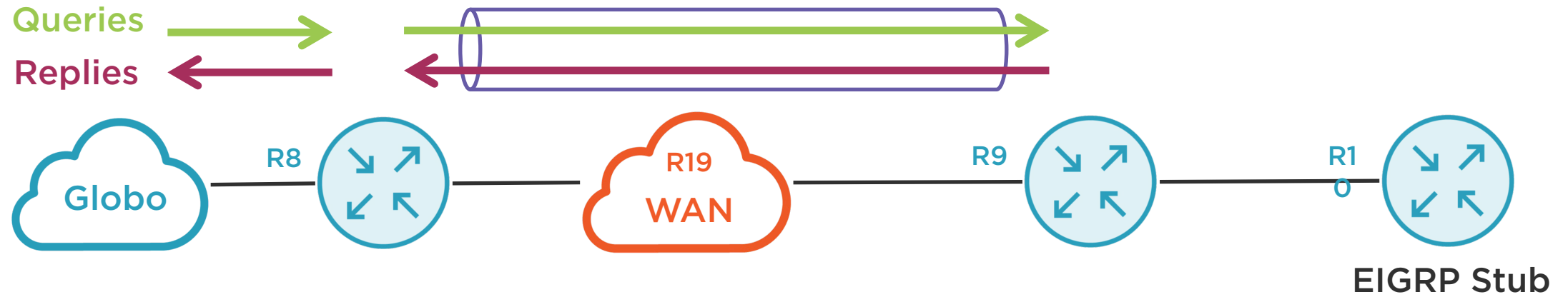


EIGRP stubs for transit (!!!)

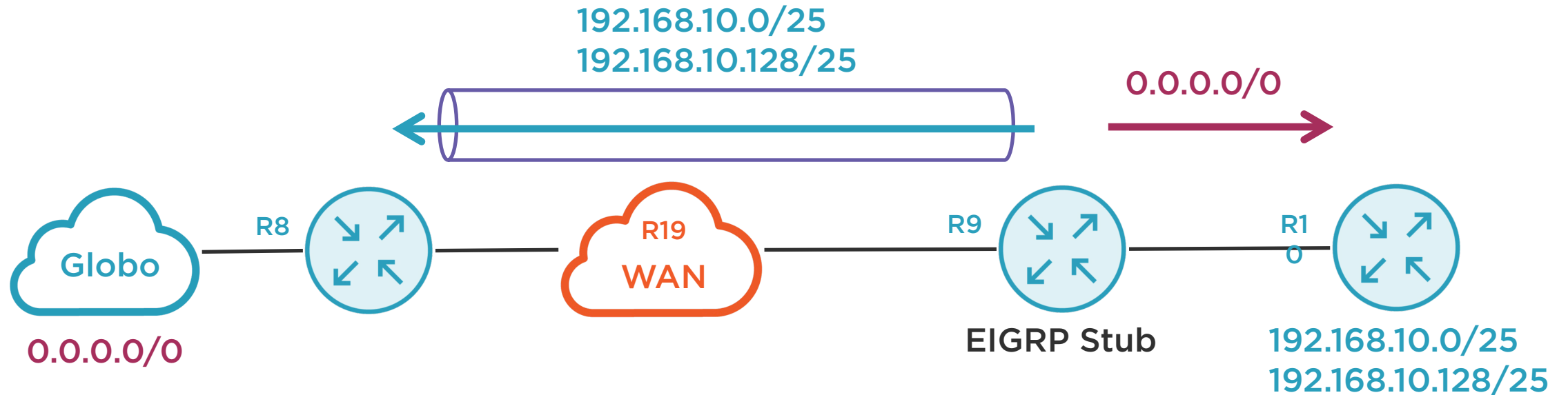
Using BFD to detect link failures



EIGRP Stub Placement



Bending the EIGRP Stub Rules



* Can use other techniques;
mixing summaries, filters, etc.

from WAN:
leak 0.0.0.0/0

from LAN:
leak 192.168.10.0/25
leak 192.168.10.128/25



Demo



Using EIGRP stub leak-maps



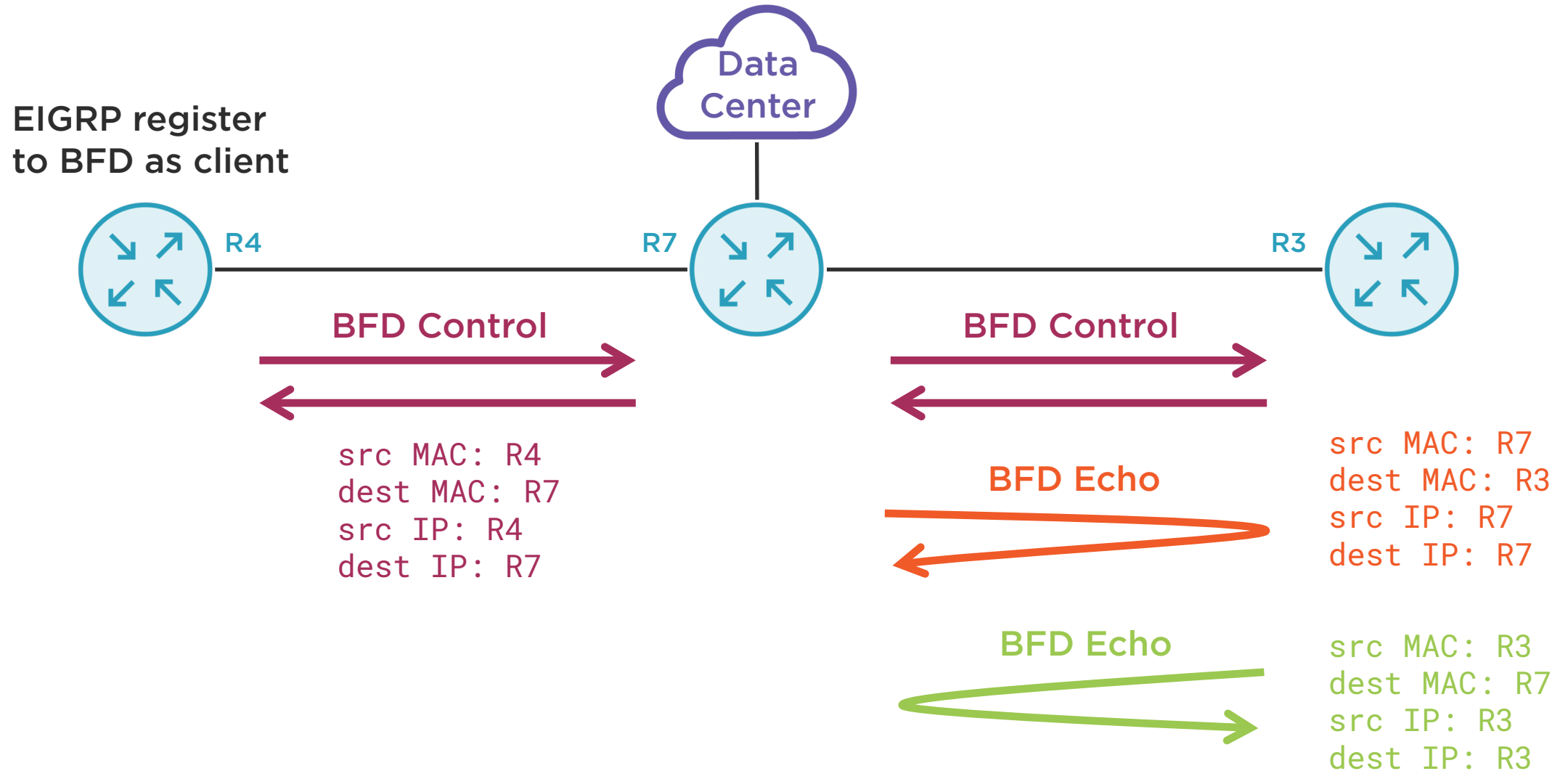
Demo



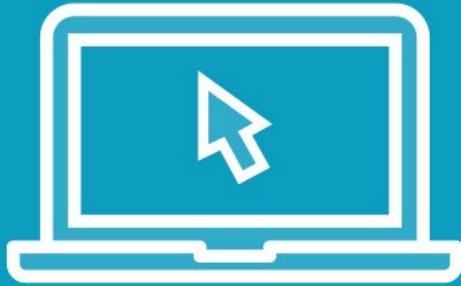
Integrating EIGRP stubs with extranets



How BFD Works



Demo



Fast failover with BFD



Summary



EIGRP stubs for internal routers

EIGRP stubs for extranets

BFD for fast failover

