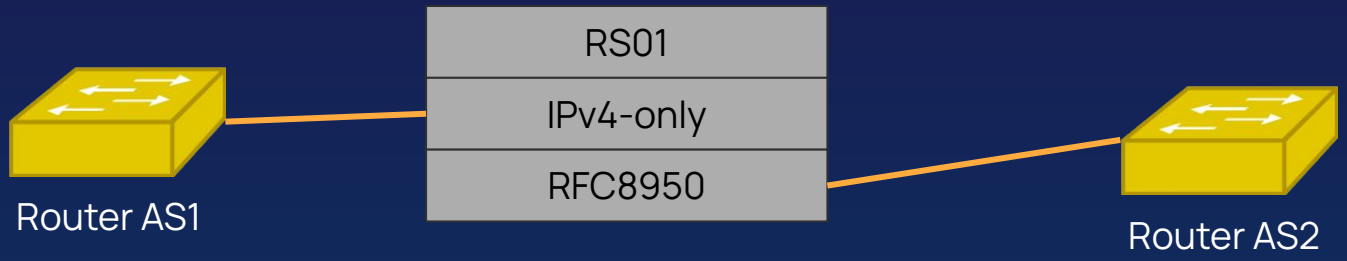
# RFC8950

## Translation

André Grüneberg


# After deploying RFC8950

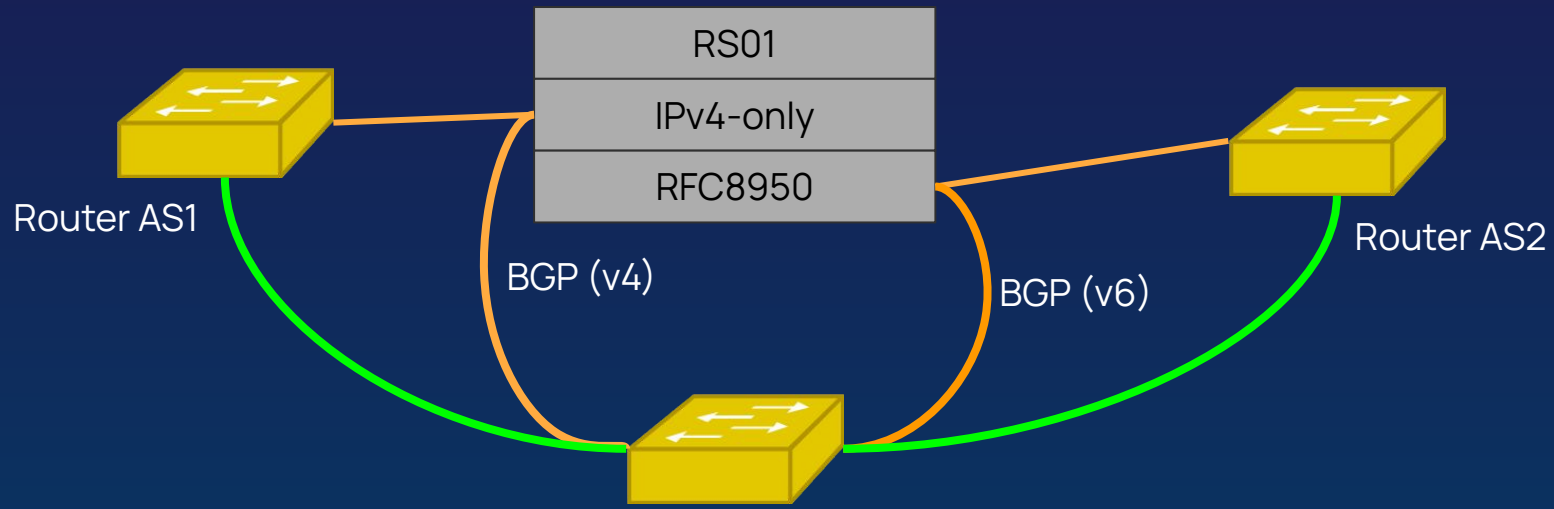
- There is IPv4 in IPv4-only and in RFC8950 part of RS




No dataplane traffic

# Adding Translator

- Translator peers with RS “instances”, nexthop self




Dataplane traffic via Translator

# Implementation details

- Sufficient bandwidth
- Redundancy: 2 translators – one per route server
- Translator AS to be removed by route server
- Translator routes with lower priority than “native” – highest Router ID(?)
- No OTC added by RS towards translator (role: provider)
- Keep RS TE communities for handling on other end

# Caveats

- Only applies to routes available on RS
- Only one best path; route hiding issues (Add Path?)
- Which path to prefer?

# Scalability

- Integration into EVPN fabric
  - Employ Asymmetric IRB
  - Each edge switch uses virtual IPv4/IPv6 address on SVI
  - Challenge how to get routes from RS to all edge switches
    - Nokia SR-OS can leak BGP routes incl. next-hop
    - Arista cannot (yet?)