Route Leak Prevention using Roles

Alexander Azimov

Randy Bush

Evgeniu Bogomozov

Keyur Patel

Functionality Split
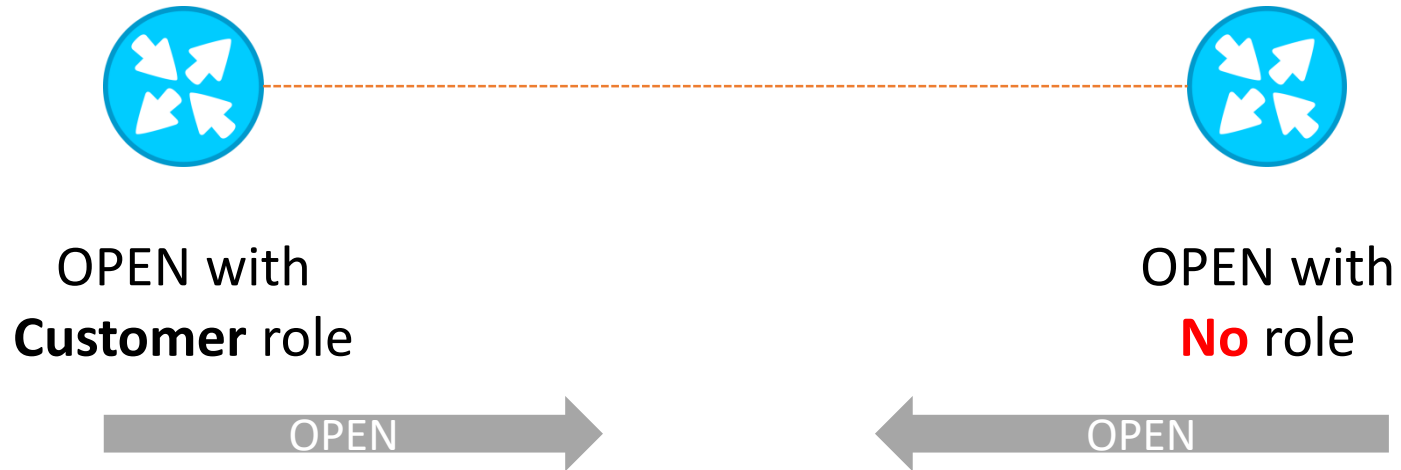
Roles and iOTC:

https://tools.ietf.org/html/draft-ymbk-idr-bgp-open-policy-03

eOTC:

https://tools.ietf.org/html/draft-ymbk-idr-bgp-eotr-policy-00

Partial Deployment

OPEN with
Customer role

OPEN →

OPEN with
No role

← OPEN

Absence of verification should not result in absence of filtering

Strict Mode

OPEN with
Customer role

OPEN with
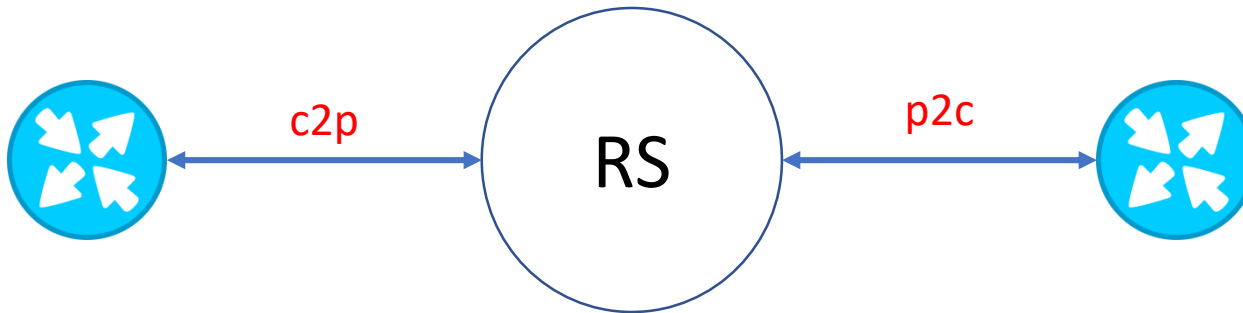**No** role

Notification

Possible mechanism of motivation

Roles at Internet Exchange
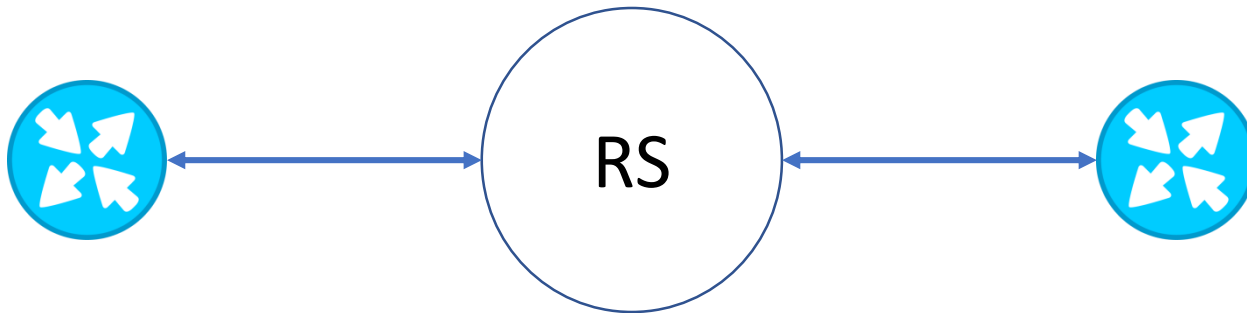
RS provides local connectivity

Roles at Internet Exchange

c2p   RS   p2c

RS provides local connectivity
RS is provider!

Questions

- Do we need to add comments about roles at IXes into the document?

- Could Complex include Internal role? And do we really need complex at all?