

# ISP Border Definition

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# 'Vanilla' Definition (rfc 4271)

d) If at least one of the candidate routes was received via EBGP, remove from consideration all routes that were received via IBGP.

# Ad-hoc: AS Confederations (rfc5065)

4) When comparing routes using the internal (IBGP learned) versus external (EBGP learned) rules, treat a route that is learned from a peer that is in the same confederation (not necessarily the same Member-AS) as "internal".

# AS Migration (rfc7705)



# Ad-hoc: AS Migration (rfc7705)

"Local AS": Allows the local BGP router to generate a BGP OPEN to an eBGP neighbor with the old, legacy ASN value in the "My Autonomous System" field.

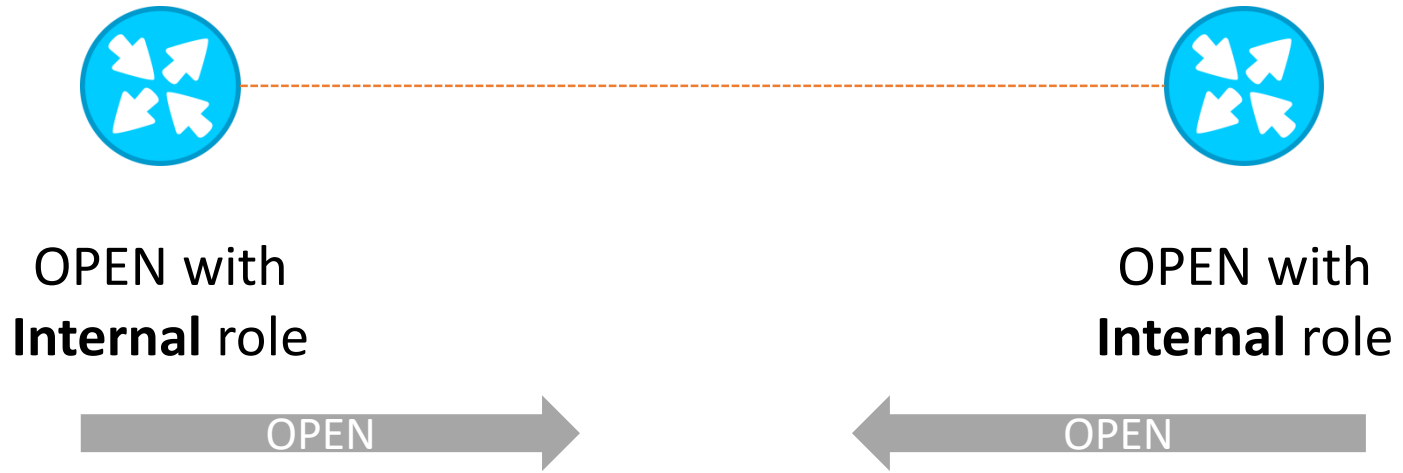
# ASN Union

Operate multiple ASNs, but get benefit from joined connectivity:

1. Non-transit attributes;
2. Joined peerings;
3. 'Hot-potato' routing.

Another ad-hoc?

# Internal Role



# Internal Role

- Prefer External over Internal;
- iOTC MUST be transmitted;
- LOCAL\_PREF/MED attribute MAY be sent.