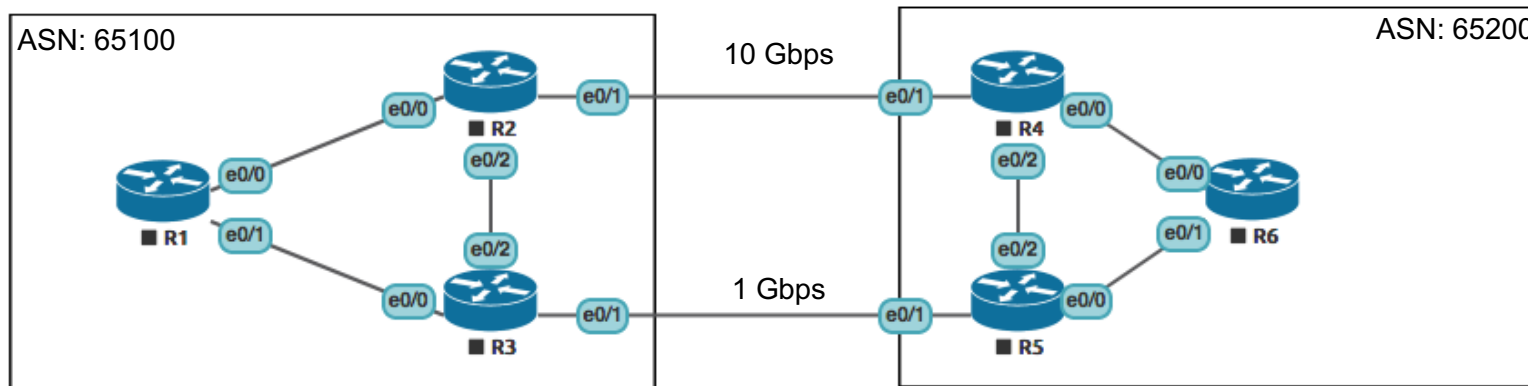


BGP labs for CCS

Matěj Grégr

igregr@fit.vutbr.cz

Topology



Address plan:

AS 65100:

- R1 - lo1: 2001:8888:8888::1/64,
aggr. prefix 2001:8888:8888::1/48
- 2001: 6510:6510::/48 for internal topology

AS 65200:

- R6 - lo1: 2001:face:b00c::1/64
aggr. prefix 2001:face:b00c::/48
- 2001: 6520:6520::/48 for internal topology`

Path manipulation

- Ensure that link between R2 – R4 will be used for outgoing traffic from AS 65100
 - set up route map matching lo1 prefixes

```
router bgp xxxx
neighbor xxxx route-map local_pref in
!
prefix list
!
route-map local_pref permit 10
match ip address 65
set local-preference 400
!
route-map local_pref permit 20
```