

SwissIX Update @ SwiNOG #37

SwissIX Internet Exchange

December 2, 2021, Gurtenpark, Berne

Welcome ColoBern North²



New core site here in Berne!

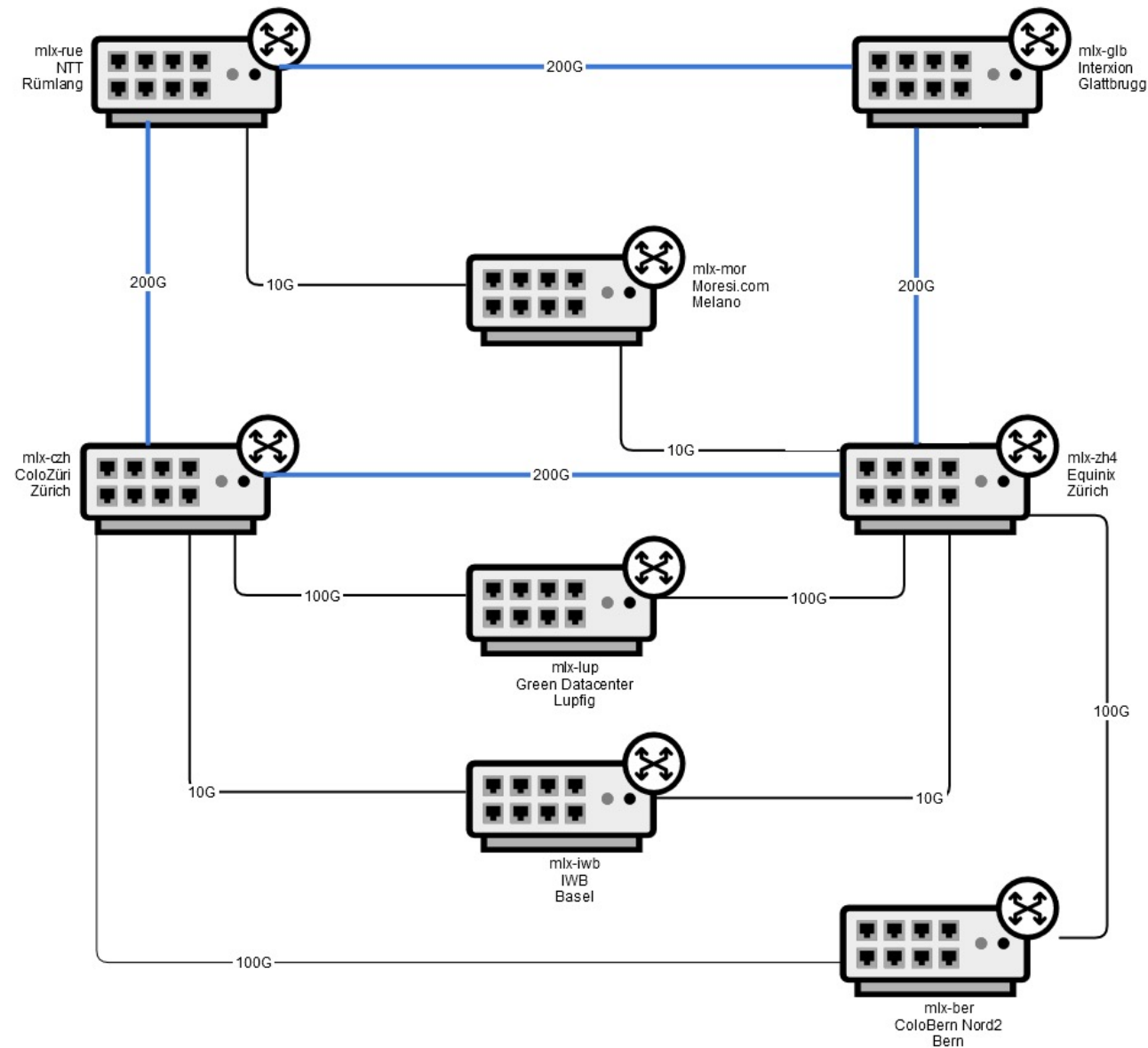
All services available:
1-100 Gbps

Welcome IWB Basel

Data Center Reseller

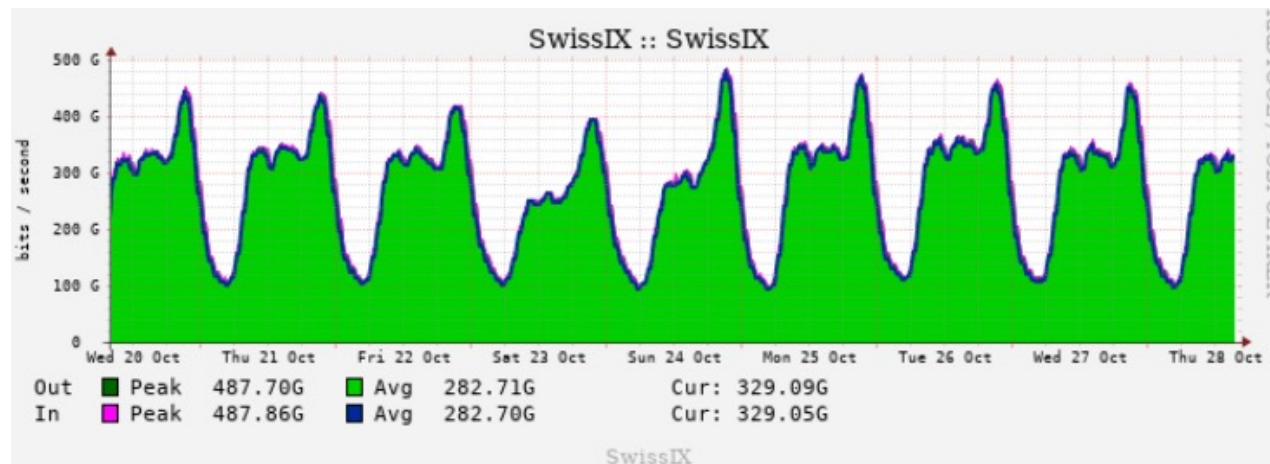


Current Network Topology



Traffic 2021

«Party!»



Almost 500 Gbps: 487.86 Gbps Peak (2021-10-24).

Route Server Blackholing

Request to all participants:

Make sure you accept routes as small as /32(IPv4) or /128(IPv6) from the route servers (in general or if tagged with community 65535:666). This is an important step to make this service work. Please do your part in helping SwissIX fight DDoS attacks.

Recommendation:

Drop traffic to IPv4 91.206.53.254 and IPv6 2001:7f8:24::1fe (Blackhole next-hop) already on your router if possible. This helps keeping your links to SwissIX free. If not dropped at your router, this traffic will be blocked on ingress on our switches.

In case of an attack on your network:

- Blackhole filtering of more specific IP prefixes can be requested by tagging them with the following BGP communities: 42476:666:0, 65535:666 (BLACKHOLE well-known community)
- By default, routes are propagated to all the clients unless they have been explicitly configured to not receive them.
- IPv4 routes are propagated to clients after their NEXT_HOP attribute has been rewritten to 91.206.53.254.
- IPv6 routes are propagated to clients after their NEXT_HOP attribute has been rewritten to 2001:7f8:24::1fe.
- Before being announced to clients, all the routes are tagged with the BLACKHOLE well-known community. The NO_EXPORT well-known community is also added.
- Blackhole filtering requests bypass any RPKI validation check and min/max length check.

Pricing

Port	MRC 2021	MRC 2022
1 Gbps	-	-
1 Gbps CDR (95%) on 10 Gbps	CHF 250	CHF 200 (-20%)
10 Gbps	CHF 450	CHF 350 (-22%)
100 Gbps	CHF 2'500	CHF 1'750 (-30%)

Effective Jan 1st, 2022

SwissIX General Meeting

This year once more on paper...

Happy Peering

...und ä Guetä!