

SwissIX Updates @SwiNOG31

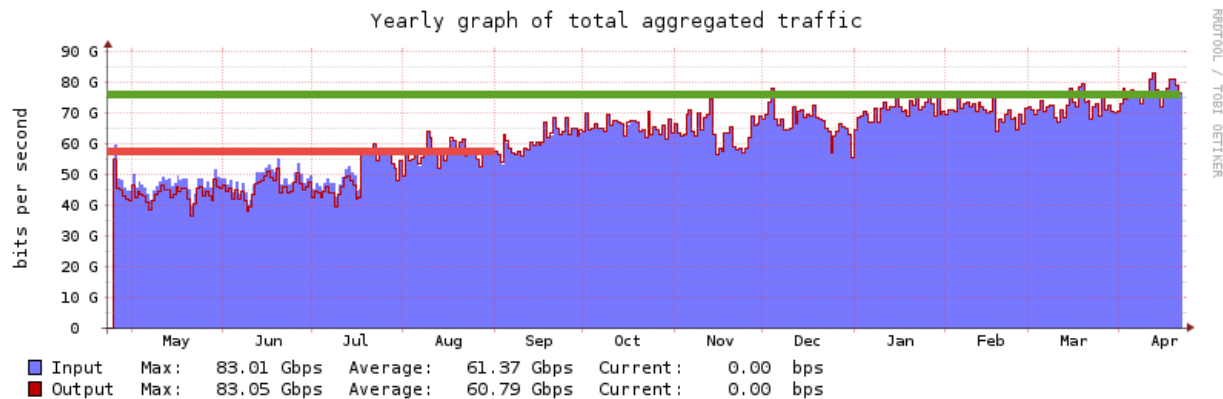
SwissIX Internet Exchange

May 30, 2017, Gurtenpark, Berne



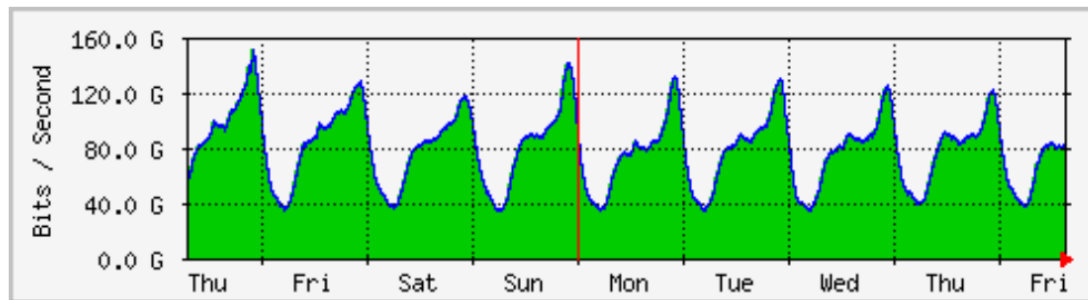
Traffic

- Aim: "Double the traffic in 12-18 month"
 - requires 3.9%-5.9% growth per month
- Reality
 - August 2016: 58G, April 2017: 78G
 - 3.87% per month, 57.8% per year



Peak Traffic

- Usual peak traffic around 150 Gbps
- Good Max/Average Ratio: 1.9
 - Balanced Traffic
 - LINX: 1.5, DE-CIX: 1.61, BCIX: ~3



	Max	Average	Current
In	152.975 Gbits	78.615 Gbits	79.282 Gbits
Out	151.666 Gbits	78.644 Gbits	79.345 Gbits

Traffic - Analysis

- Aim was just reached
- Despite great deal of effort to attract new peers and capacity upgrades
 - got new peers, got the upgrades
 - still exciting new peers in the pipeline
- Getting large peers online needs quite some time and effort
- PNIs are getting more and more common for peers with a few Gbps of mutual traffic.
- Using IXP as an insurance becomes more common, ports are not operated at full capacity normally.

Traffic – Highlights

- AWS (AS16509), 40G and new Edge Location in ZRH
- Netstream (AS15517), 40G
- Riot Games (AS6507), 10G
- New g.nic.ch / g.nic.li (AS42909)
- SWITCH, 10G (AS559)
- BTGroup, 10G (AS5400)
- Netflix, 40G (AS2906)

Traffic – Highlights

- TON Total Optical Networks AG, 10G (AS12387)
- NTS, 20G (AS15576)

News

- 200G DWDM/Coherent Transport Platform running
- Deploying IXP Manager this summer
- Deploying the new route server this summer
 - Latest version deployed, dependency with IXP manager

New Port Fees (effective July 1, 2017)

- 1G: free at core sites
- **10G: CHF 800/month for first port (-11%)**
- 10G: CHF 450/month for additional ports
- **redundant 10G ports: FREE (were: CHF 450)**
- **100G ports: CHF 2'600/month**
 - 100G: Higher setup fee incurs
 - 100G: Contact info@swissix.ch for details

(Free) Redundant Ports - Rules

- Available at core sites, only
- At a **different** core site than the primary ports, only
- **One** redundant, free core site **per paid site**.
- Aggregated traffic must stay **below 80%** of the total **capacity of the primary, non-redundant, paid ports**

We are hiring!

SwissIX is looking for:

«Geschäftsstellenleiter (60-100%)»

- Operation of the SwissIX Infrastructure
- Evolution of the SwissIX Infrastructure
- Coordinating 3rd Parties
- Marketing and Customer Acquisition
- Contact: info@swissix.ch

Vereinsversammlung - Reminder

General Assembly

**Thursday, June 22 at
e-shelter in Rümlang**

Don't forget to register!

Upcoming Survey

We need your feedback!

- free 1GE Ports – Impose duties?
 - For example: Must announce all Swiss routes openly at the new route server.
- Second DDoS-resistant Peering Mesh for local Routes?
 - Who's interested? What are the requirements? Who might be willing to pay for such a service? Who's interested in joining a working group? ...
- Who plans to upgrade?
 - What's holding you back?

(Survey will follow in the next few weeks)