SwissIX Update
@ SwiNOG #38

SwissIX Internet Exchange

2023-06-21, Gurtenpark, Berne

SwissIX, an Oldtimer with a new powerful engine under the hood

Quick facts

- Founded in 2001
- Organized as an Association
- 237 members and participants
- 530 Gbps peak, 300 Gbps avg (3d)
- Fremium Model
- Competive pricing
- Outsourced technical operation

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Outsourcing Goals

- The partner must have experience with an IXP and should actively and verifiably manage this market

- 24x7 operation and support with guaranteed response times must be possible

- SwissIX remains the owner of the platform and has full control over all components and configurations, at least in the event of an emergency

- Vendor lock-in should be avoided

- An exit strategy for the event of economic difficulties for the partners involved must be in place before the start of the replacement

Outsourcing Goals (cont'd)

- SwissIX must be able to plan with certainty for at least five years

- The location and ownership of any data should remain entirely with SwissIX

- Further services, comparable to our neighboring IXP, should be easy to implement

- The replacement must be possible within a reasonable time frame with the available human resources of SwissIX
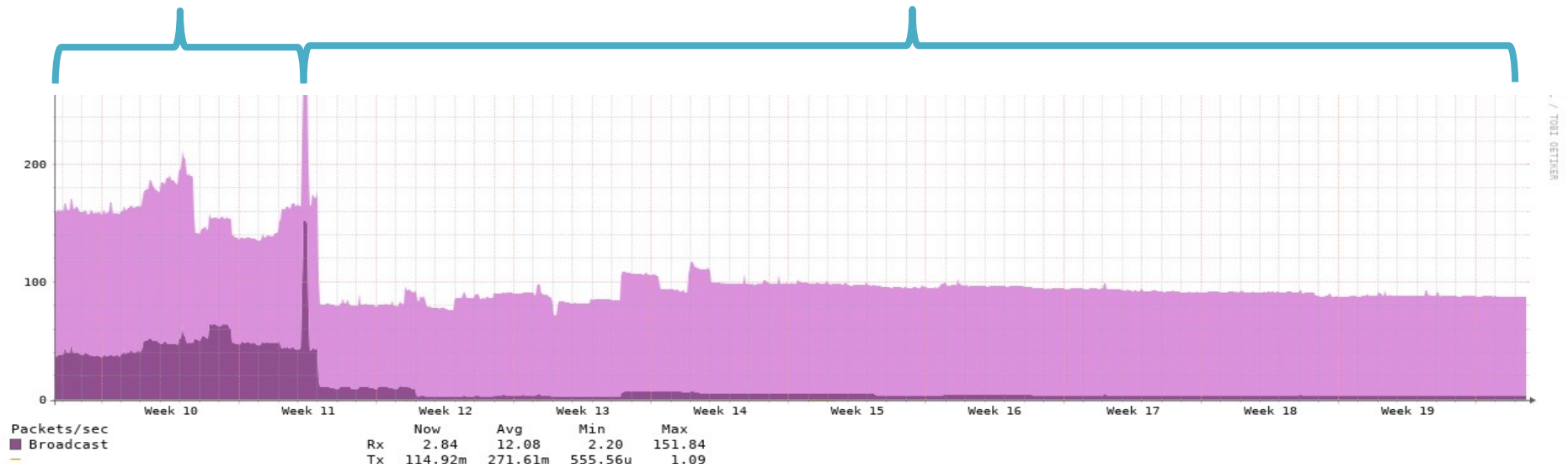
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New SwissIX Topology
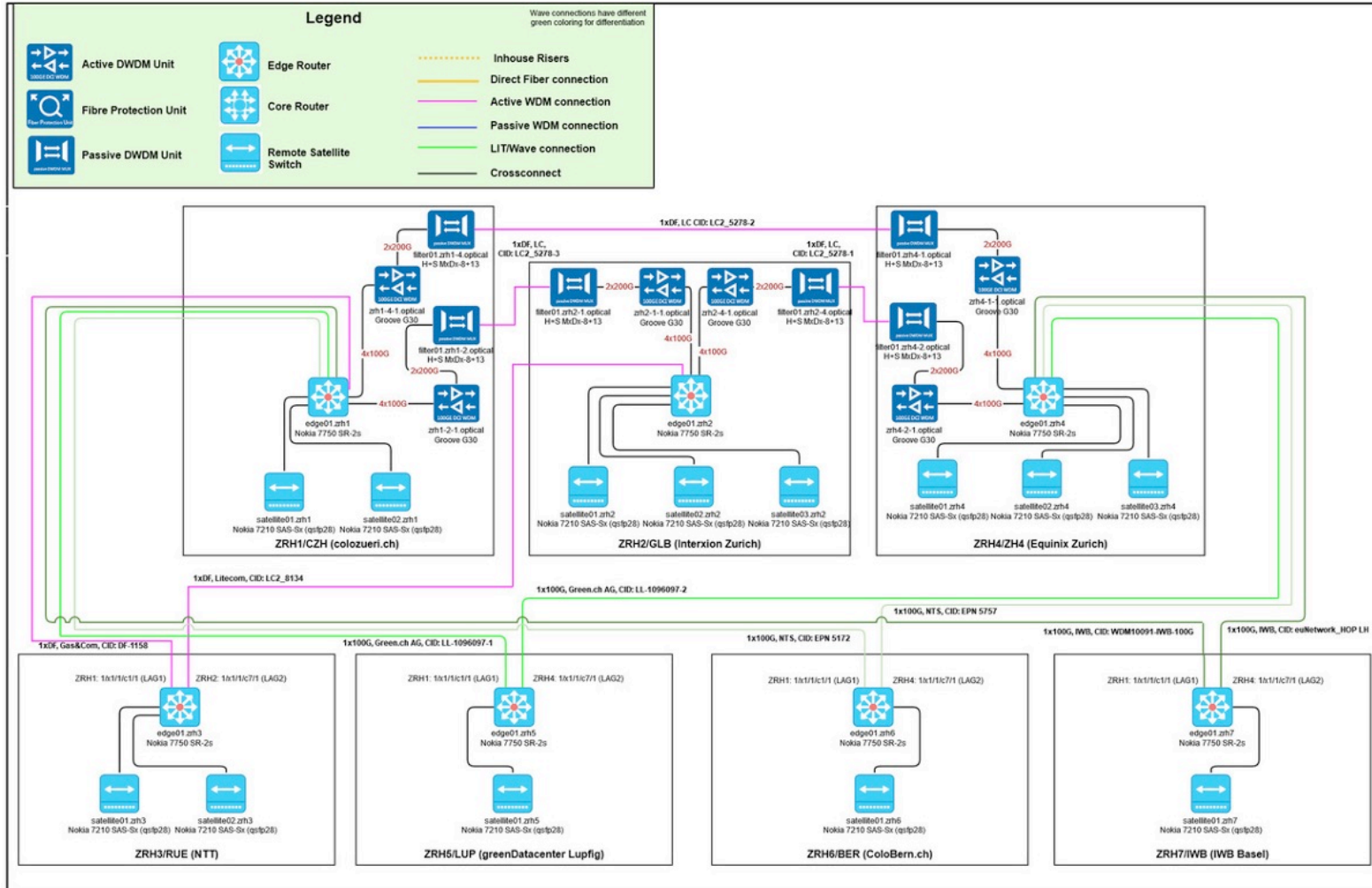
Key facts about new platform

- New fibres

- Two cores

- 400 Gbps core bandwidth (upgradable)

- Each edge has redundant connection to core sites

- Nokia HW

- (Enhanced) EVPN instead of VPLS

- BIRD routeservers

- New self-service portal

  - Enhanced black-holing

  - Advanced statistisc

BUM traffic before/after

ND will drop after deploy of next Nokia SR OS

Overall findings

- Planning is key (not that everyone already knew)
  - Tell exactly what you want
  - Reflect what you understood
- Clash of culture
  - SwissIX/DE-CIX
  - Law wise
- The migration itself went extremely smooth

SwissIX 2023ff

- 2023 General Meeting on 2023-06-16
    - Christian "wiwi" Wittenhorst resigned as President
    - Matthias Cramer new President
    - Reto Grunder (Green) new Board Member

- Looking for a BizDev/General Manager
    - Shifting from Operations to Outreach/Customer Care

- Board Strategy Meetings to set directions

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Fragen?
Des Questions?
Domande?
Dumandar?

Questions?