

FS20

DISTRIBUTED SYSTEMS

In the news, week 16

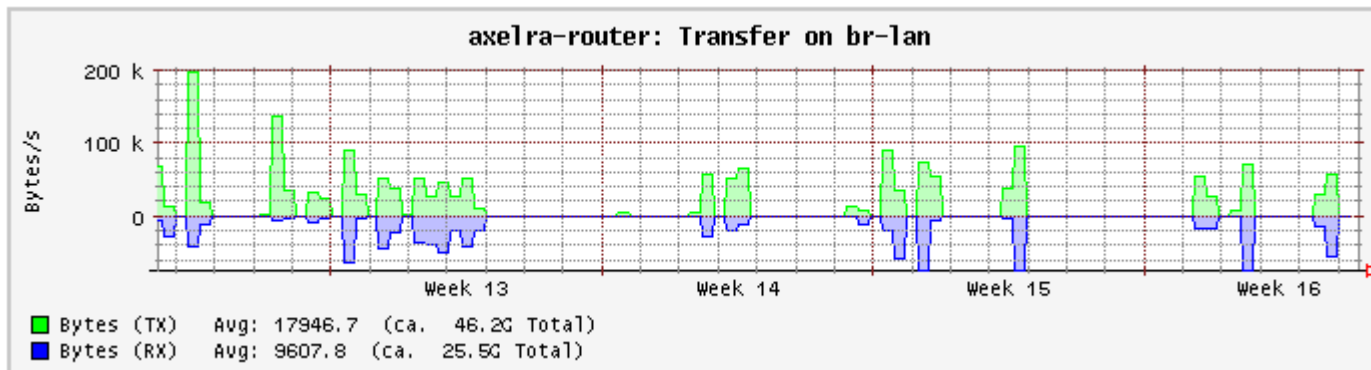
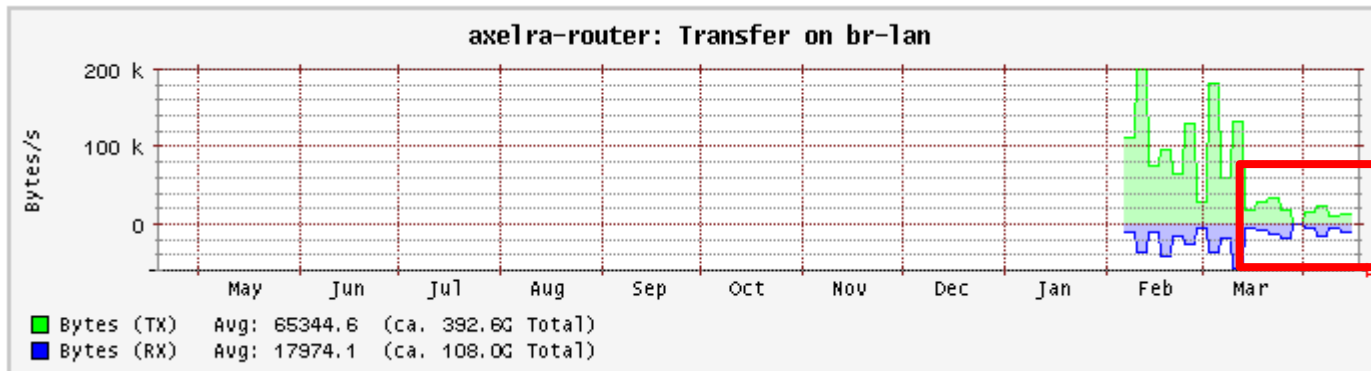
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■ 15.4.2020: Wenn du dich fragst, warum deine Internet-Verbindung sch****e ist: UPC und Init7 wissen es

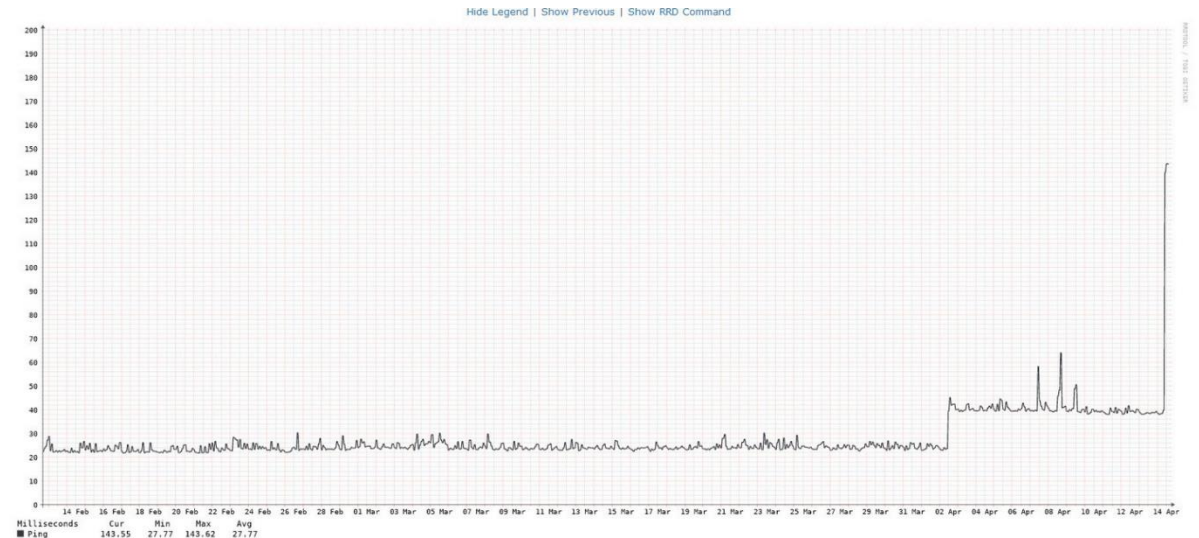
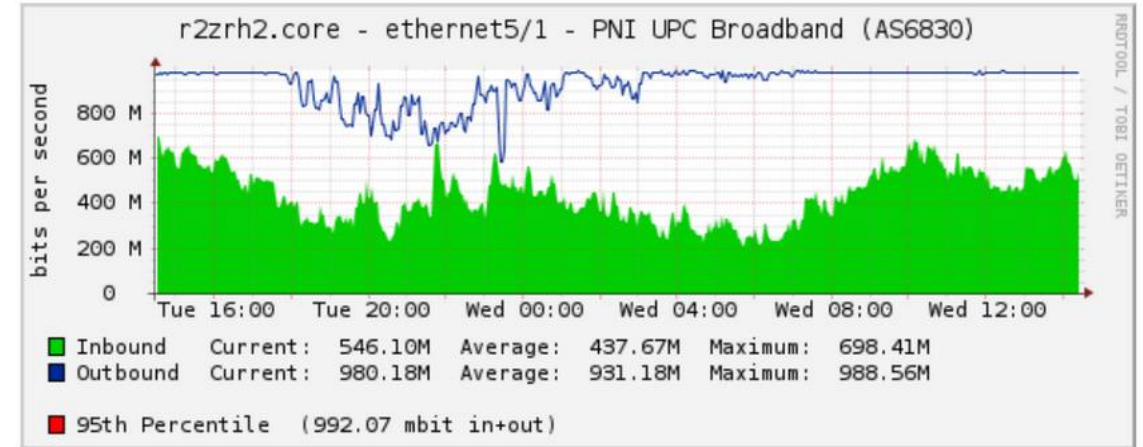
- 16.03.2020: Lockdown
- Internet traffic changes, e.g., offices



- 14.4.2020: UPC shutdown peering to Init7
 - AS peering via e.g., SwissIX, CHIX
 - Peering via IX: direct fast
 - “You can peer with all SwissIX participants regardless of their location, as long as both parties are willing to peer”
- Traffic now routed via NY – traceroute
- Init7: “...einseitige Abschaltung der Peerings mit Init7 durch UPC ... Wir werten dies als aggressiven Akt.”
- UPC: “Seit letzter Woche hat Init7 alsdann begonnen, den Datenverkehr zu UPC via USA und Grossbritannien zu leiten / routen”
- UPC vs Init7: happened already in 2006

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- Currently Init7 – UPC 2x1Gbps, request to upgrade to 10Gbps
- How expensive is an upgrade, Init7: “Jeder Peering-Partner müsste mit einmaligen Kosten von weniger als 2'000 Franken rechnen.”
- Why is it bad to have 100% capacity – packet loss. Needs rerouting
- Init7 rerouted on the 2.4. some traffic via London/Wien, adding a delay of +15ms
- My personal conclusion: The [press release](#) of UPC is flawed.



<https://twitter.com/STRUBartacus/status/1250079233398968322/photo/1>

Questions?



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