Infrastructure Review

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Core Infra

- Cisco ASR 1006 for routing, ACLs, NAT64, DHCP
- Handful Cisco C3750 Switches
- 3 Arista 7050 Switches

- Two very old servers for all other Services
- Three additional servers for running Proxmox Cluster

- All Monitoring done via Prometheus, Loki, and Grafana
- Data for Public Dashboards sent and persistet to VM outside ULB

Video

Capturing with our video boxes

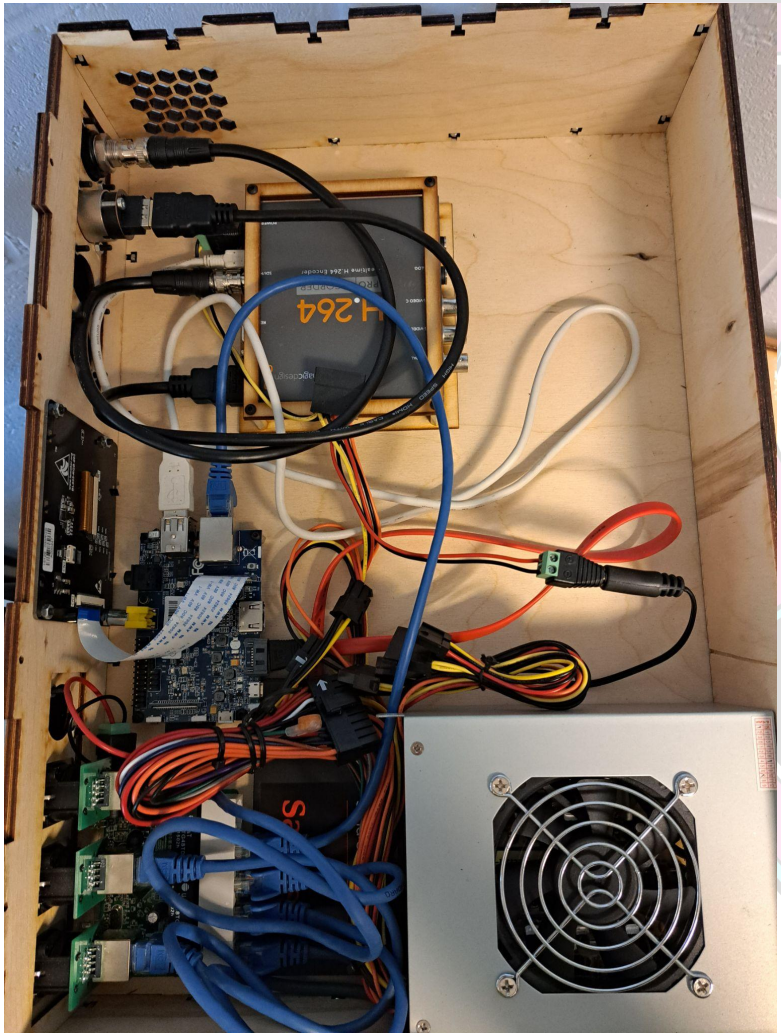
See https://github.com/FOSDEM/video for details

Send streams to render farm

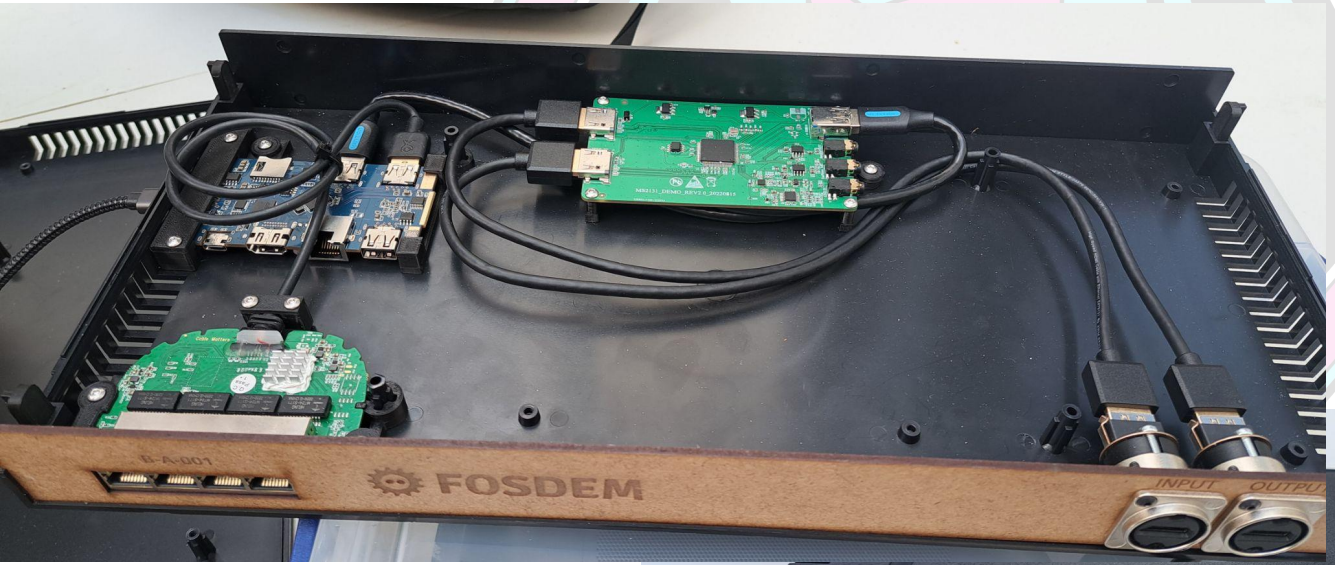
Send streams off-site for livestreaming and cutting into finished videos

Semi-automated review and cutting process via https://github.com/yoe/sreview

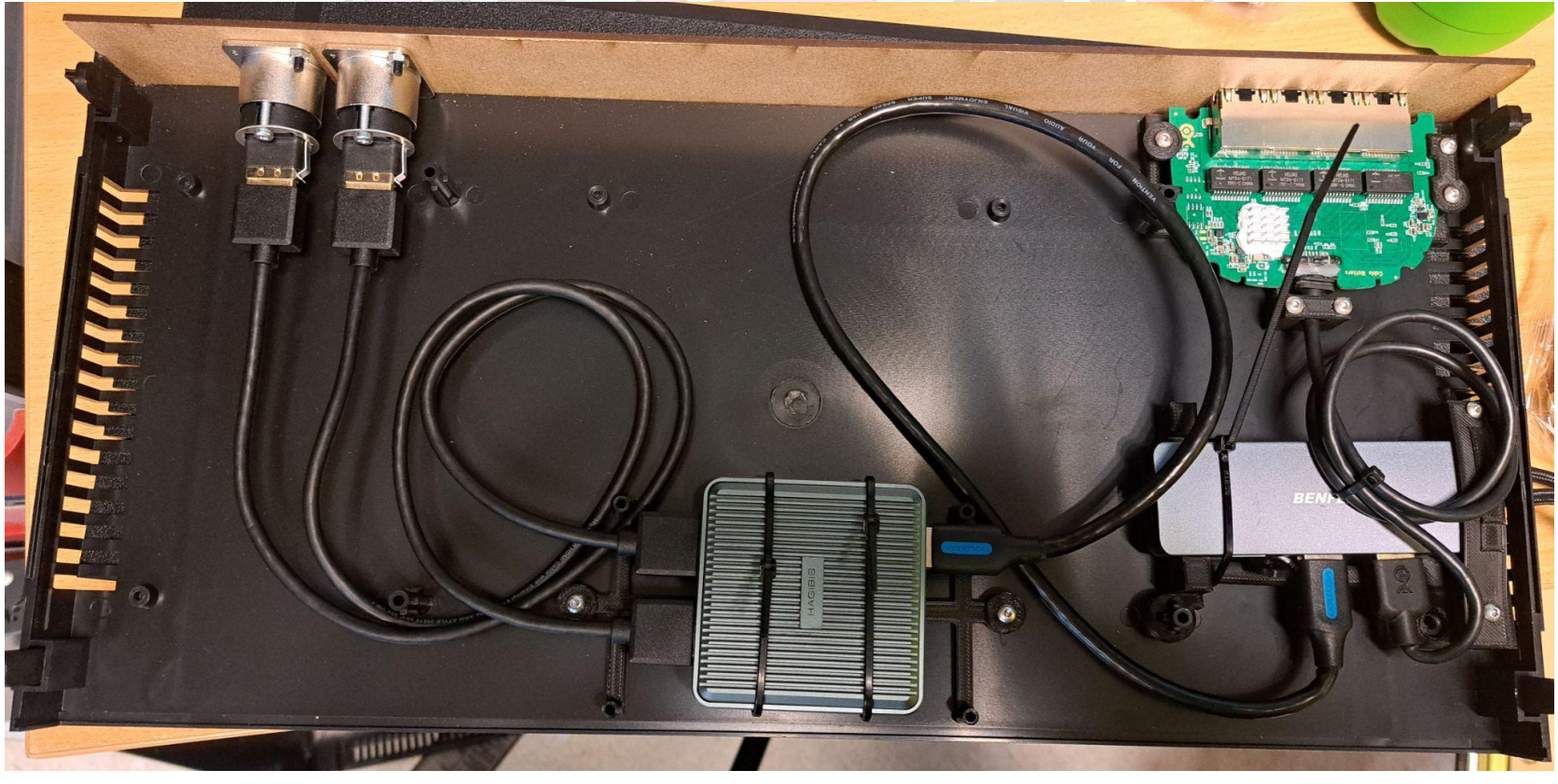
Video Boxes



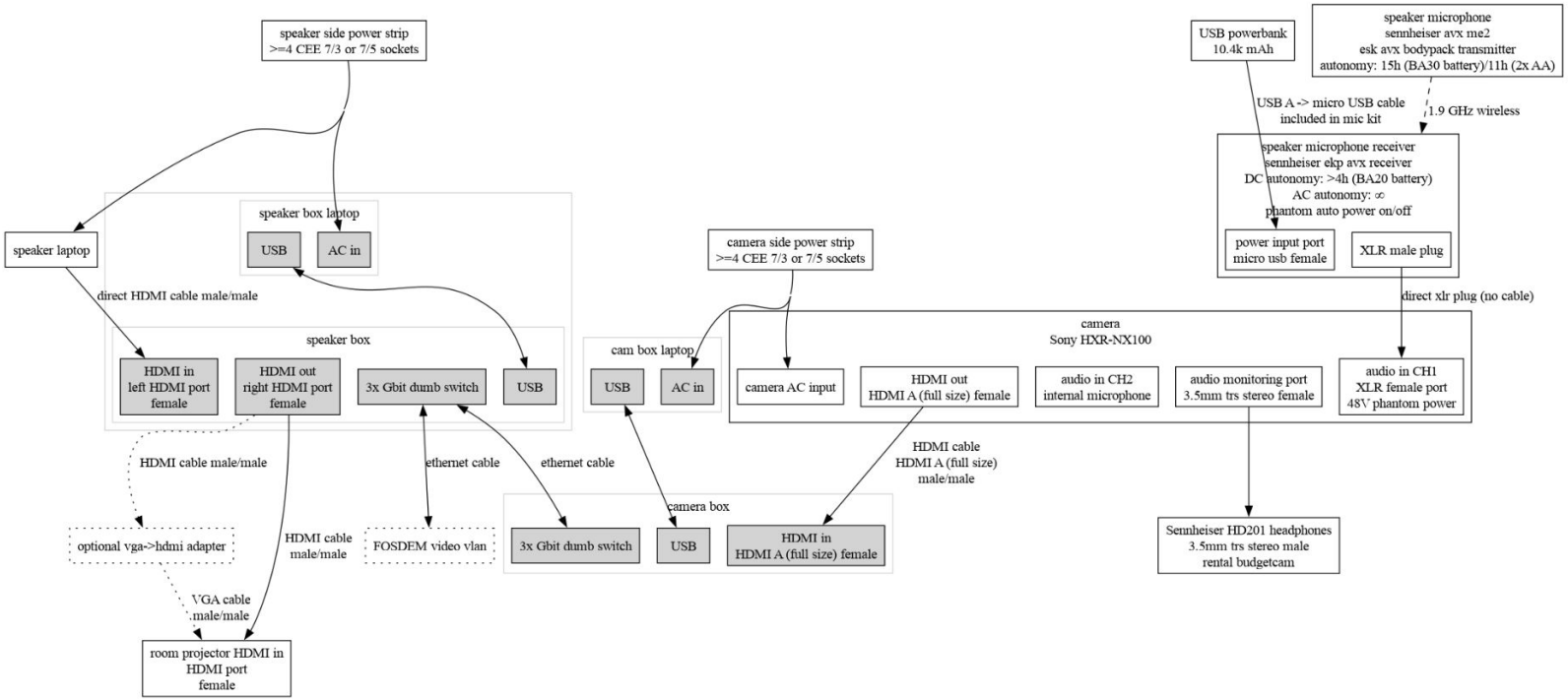
First Version of the new Boxes



Final Videobox

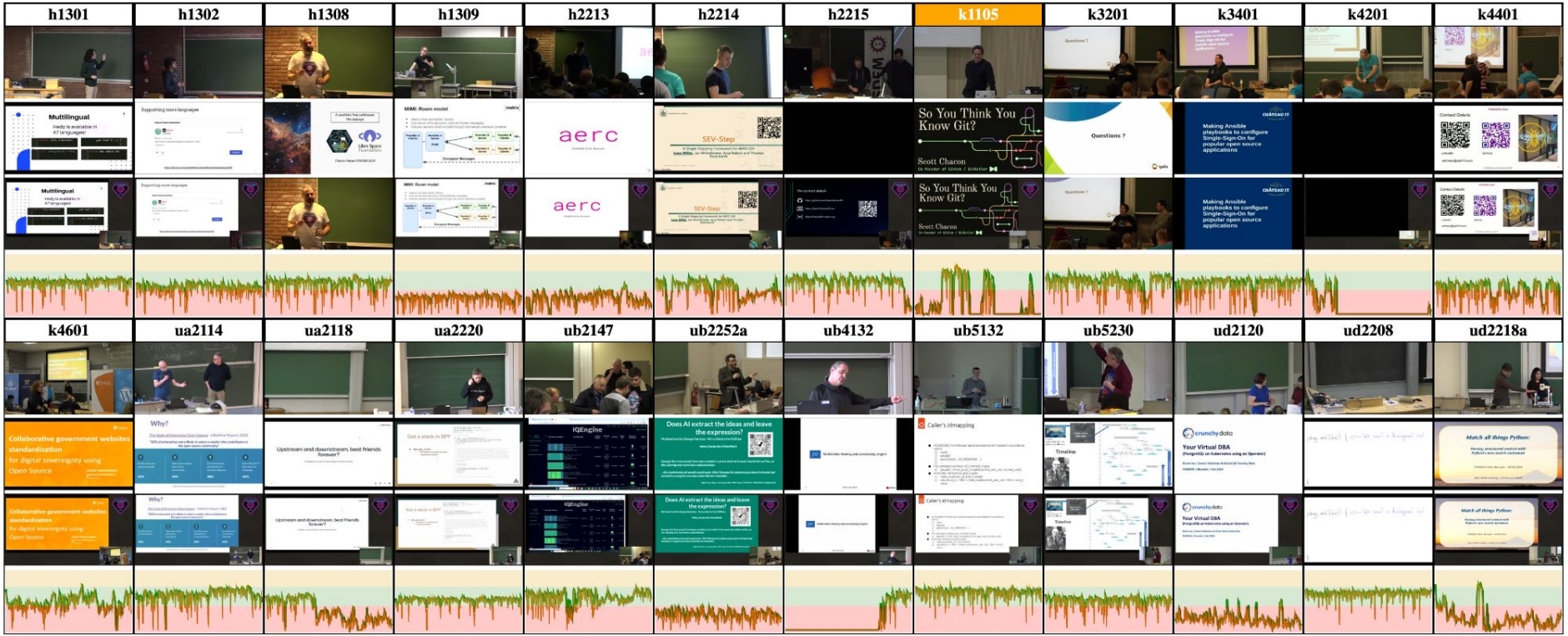


Example Cabling for a room

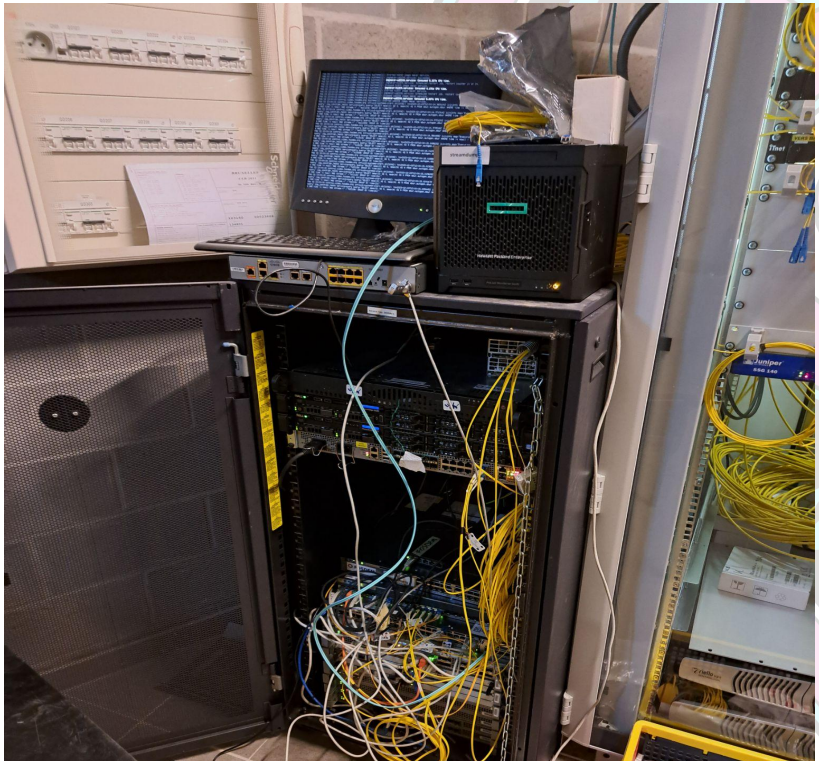


FOSDEM 2024 12 small rooms video cabling setup:
aw1120, aw1121, aw1125, aw1126, h2213, h2214, k3201, k3401, k4201, k4401, k4601, ud2119

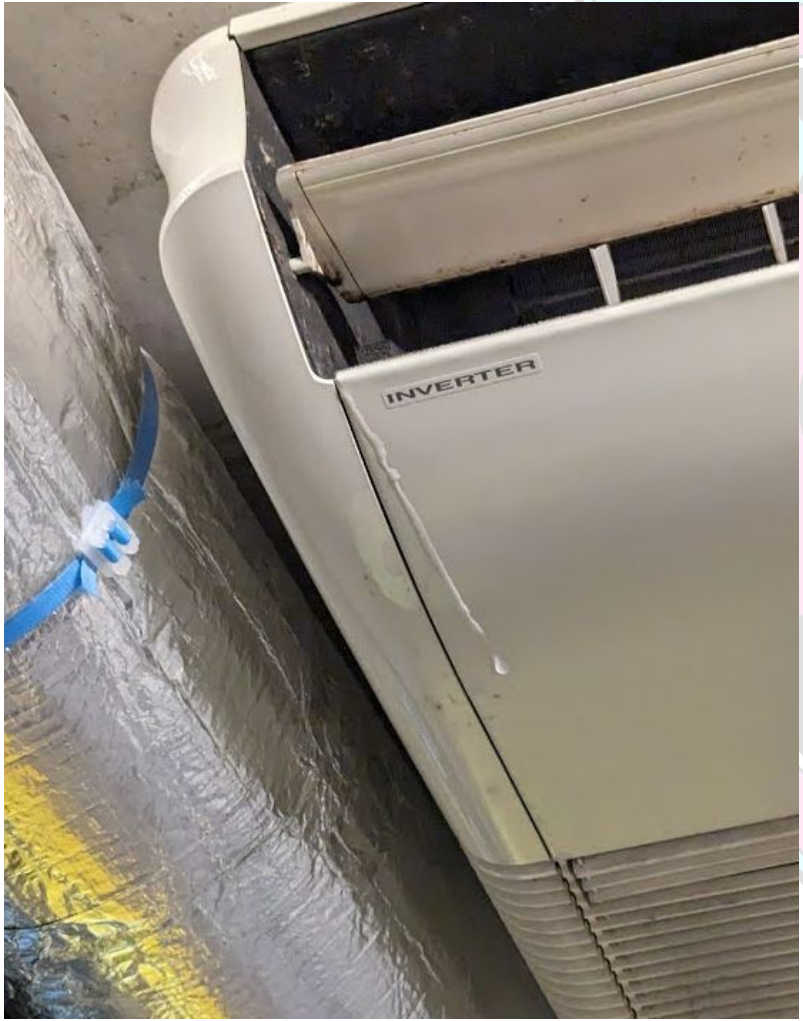
Buildings: All aw h j k ua ub ud Choose



Render Farm 2023 Edition



Render Farm 2024 Edition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TOPCOLD

Timelines

Installation of router

2016: Friday
2017: December
2018: December
2019: December
2020: December
2023: January
2024: January 24th (new 10g uplink)

Network up and Running

2015: Saturday 5:00
2016: Friday 19:00
2017: Friday 17:00
2018: Friday 12:00
2019: Thursday, last hiccups fixed Fri. 19:00
2020: Friday 18:00
2023: Friday 20:20
2024: Friday ~14:30

Timelines

Monitoring

2016: Saturday 12:00
2017: Saturday 09:00
2018: January
2019: January
2020: January (2019!)
2023: January 13th , kept it running ...
2024: Immediate ;)

Video

2016: Saturday 11:30
2017: Saturday 09:30
2018: Saturday 08:30
2019: Friday 21:00
2020: Friday 19:00
2023: Friday ~22:00
2024: Friday 23:00

Redoing our setup for 2024

Plan was made to replace the old servers with a cluster onsite

Migration away from the servers still ongoing, first VMs running and giving you DNS64 and providing monitoring

With the new cluster we also needed more bandwidth for Software Defined Storage

Replaced the old stacked switches with 2 “new” switches (Builddate: 2012-07-25) that now do MLAG - got rid of Spanning tree in the setup

Uplinks

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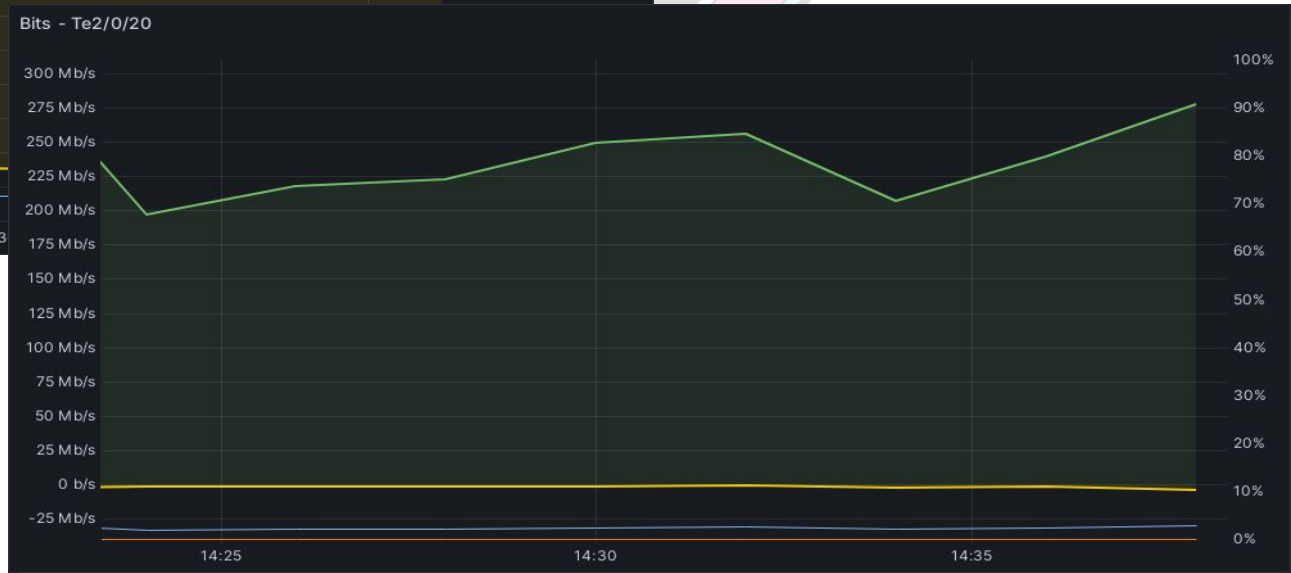

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Clone our Conference

- Clone our Infrastructure: https://github.com/FOSDEM/infrastructure

Q & A