Infrastructure Review

Richard “RichiH” Hartmann - Sebastian Schubert
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](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](https://github.com/yoe/sreview)
First Version of the new Boxes
Example Cabling for a room

- Speaker side power strip
- Speaker box: HDMI in left HDMI port female, HDMI out right HDMI port female, XLR male XLR female
- Camera side power strip
- Camera: Sony HDR-NX100
- USB powerbank (6,000 mAh)
- Speaker microphone receiver: Sennheiser e825a
- DC frequency: 5 V (AA batteries)
- AC autonomy: 2.5 hours
- Monster auto power on/off

- Cameras AC input
- HDMI in HDMI A (full size) female
- Audio in CH2 internal microphone
- Audio monitoring port 3.5mm trs stereo female
- Audio in CH1 XLR female port 48V phantom power

- Camera box: HDMI cable HDMI A (full size) male/female
- Ethernet cable

- Room projector HDMI in, HDMI port female

- Optional vga->hdmi adapter
- VGA cable male/female

- Fosdem 2024 12 small rooms video cable setup:
  - mw120, mw121, mw125, mw126, h2213, h2214, k2201, k3401, k4201, k4401, k6601, ud2119
Render Farm 2024 Edition
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 (Build date: 2012-07-25) that now do MLAG - got rid of Spanning tree in the setup.
Clone our Conference

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