

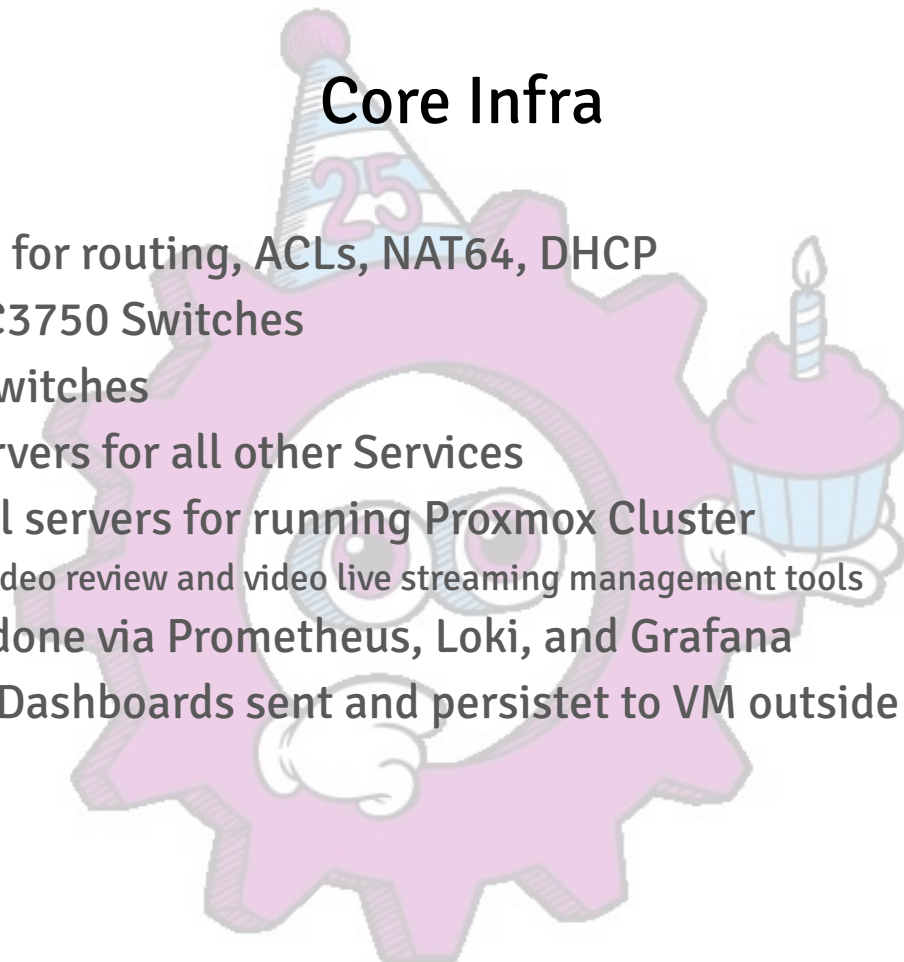


Infrastructure Review

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
 - running our video review and video live streaming management tools
- All Monitoring done via Prometheus, Loki, and Grafana
- Data for Public Dashboards sent and persistet to VM outside ULB



Video

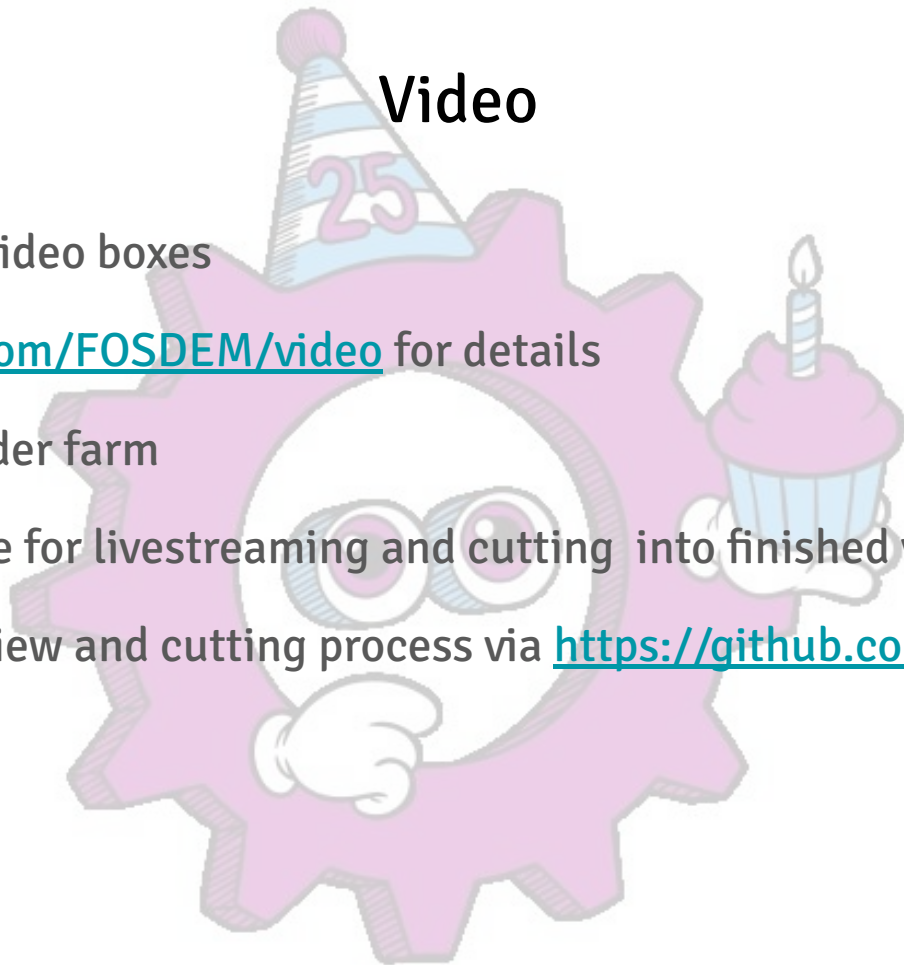
Capturing with our video boxes

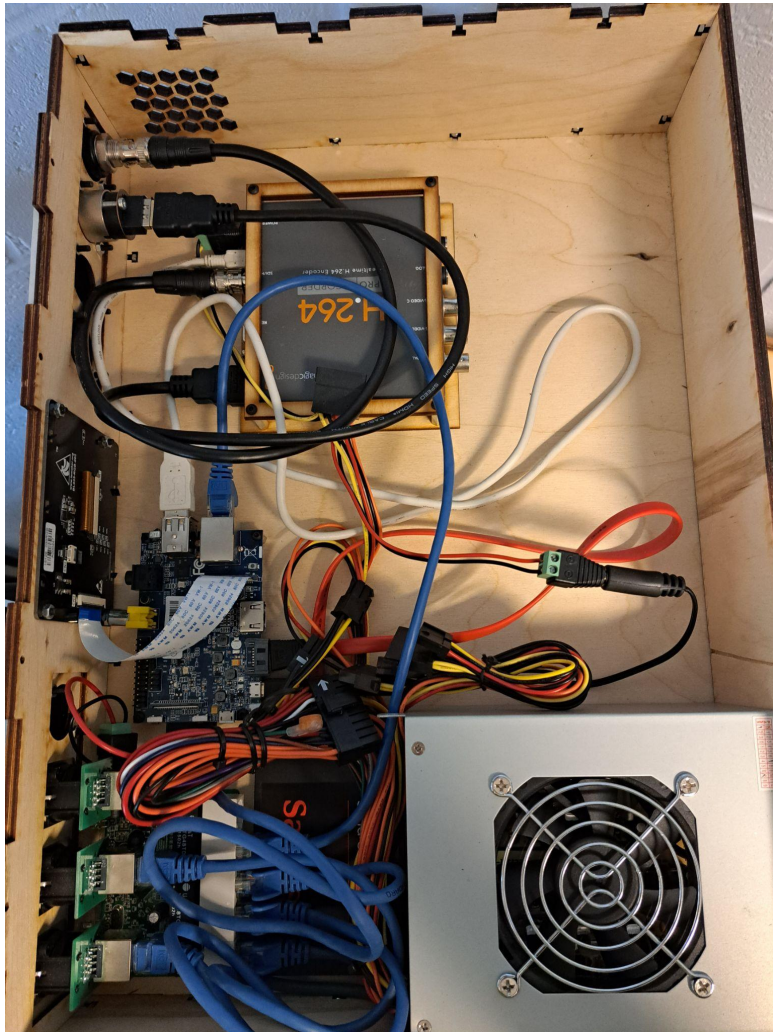
See <https://github.com/FOSDEM/video> for details

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



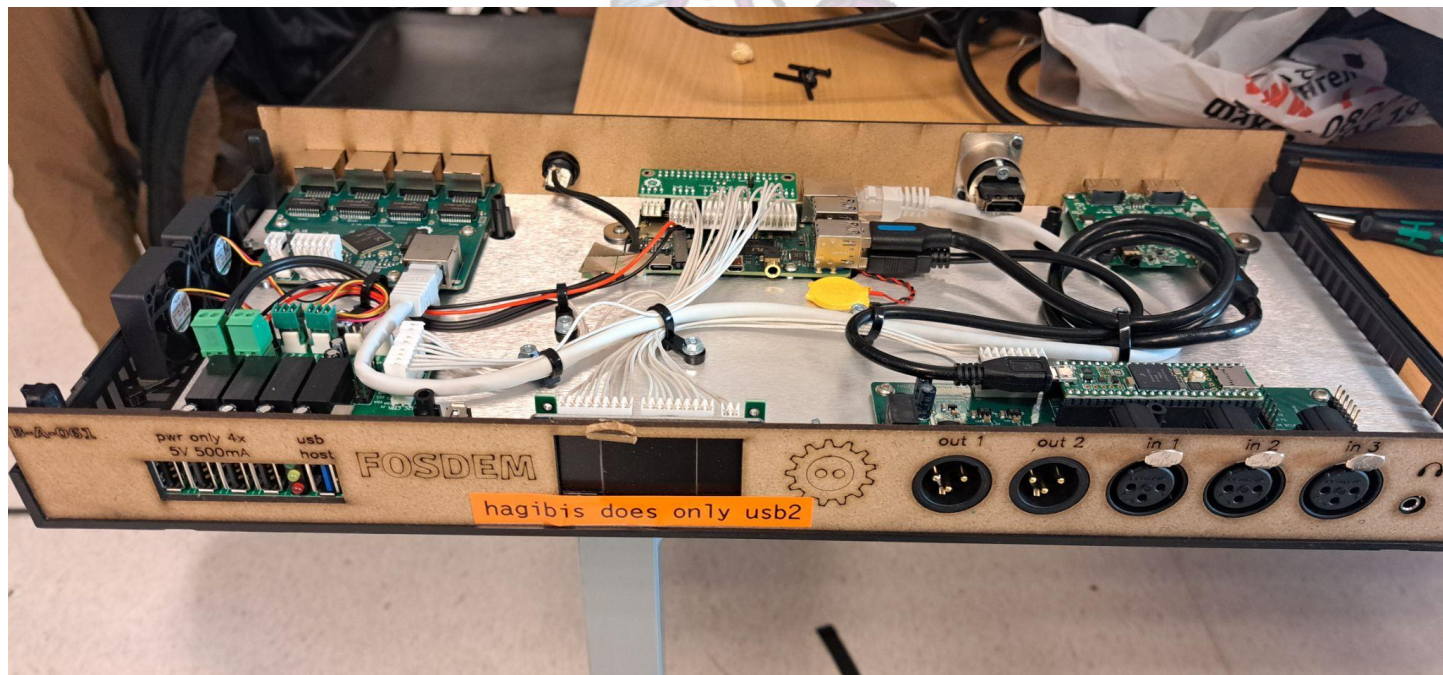
First Version of the new Boxes



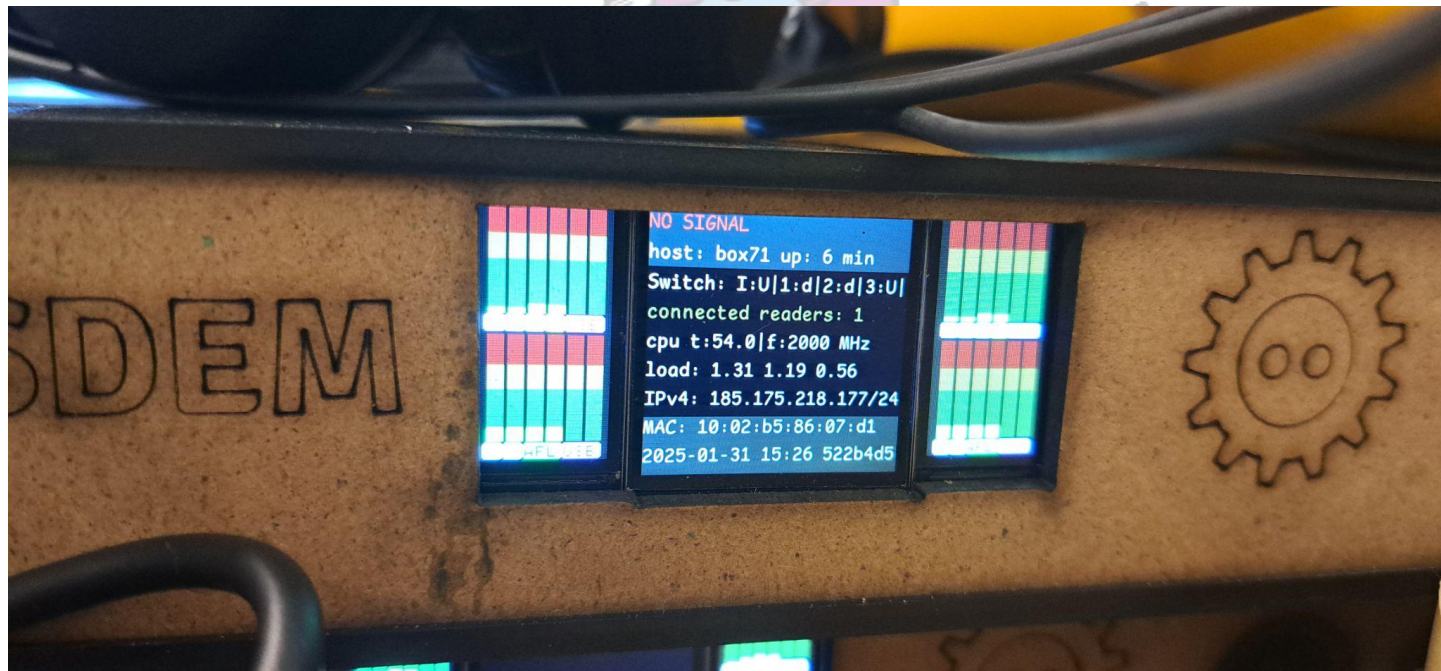
Final Videobox



Final Videobox.v2.docx



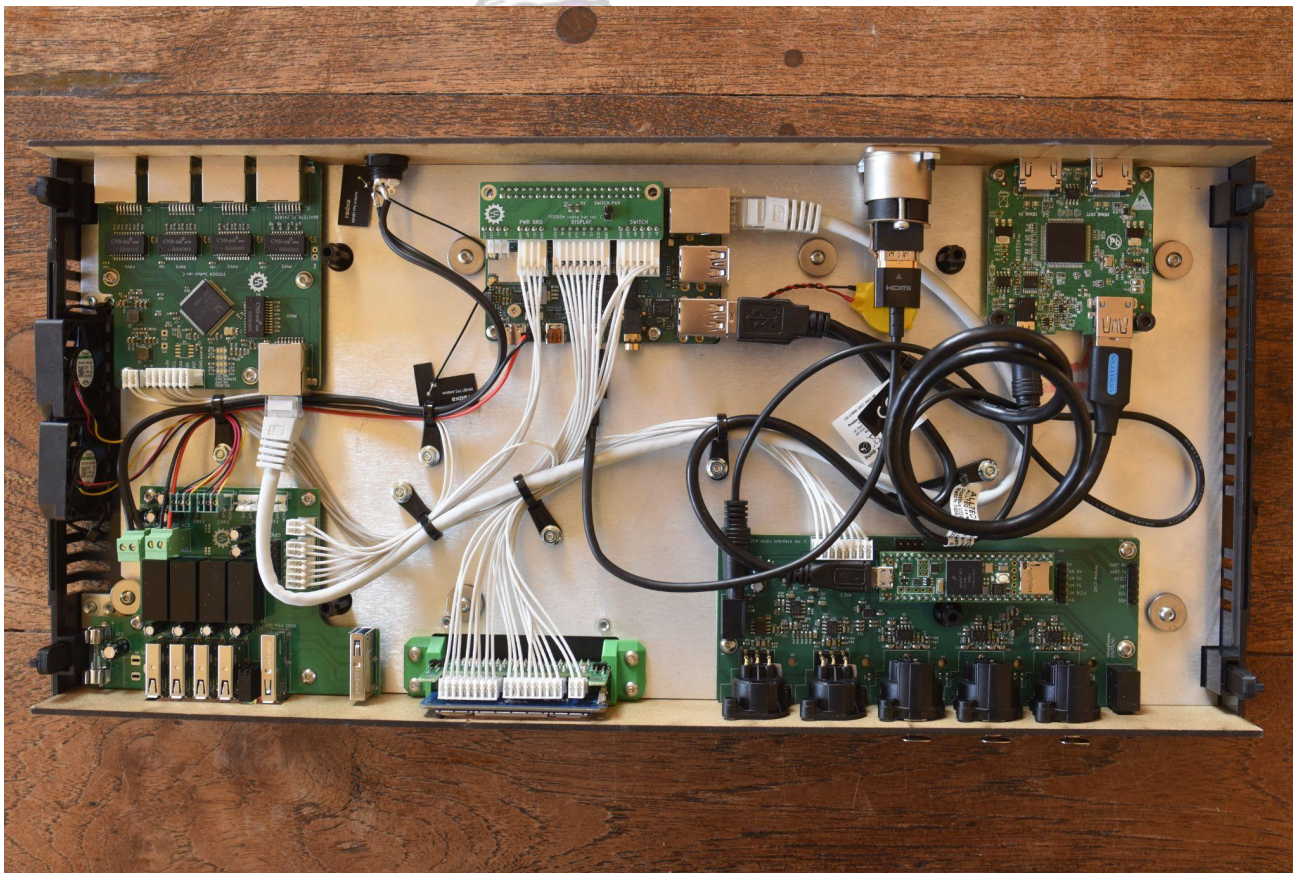
Final Videobox.v2.docx



Final Videobox.v2.docx



Final Videobox.v2.docx



Final Videobox.v2.docx

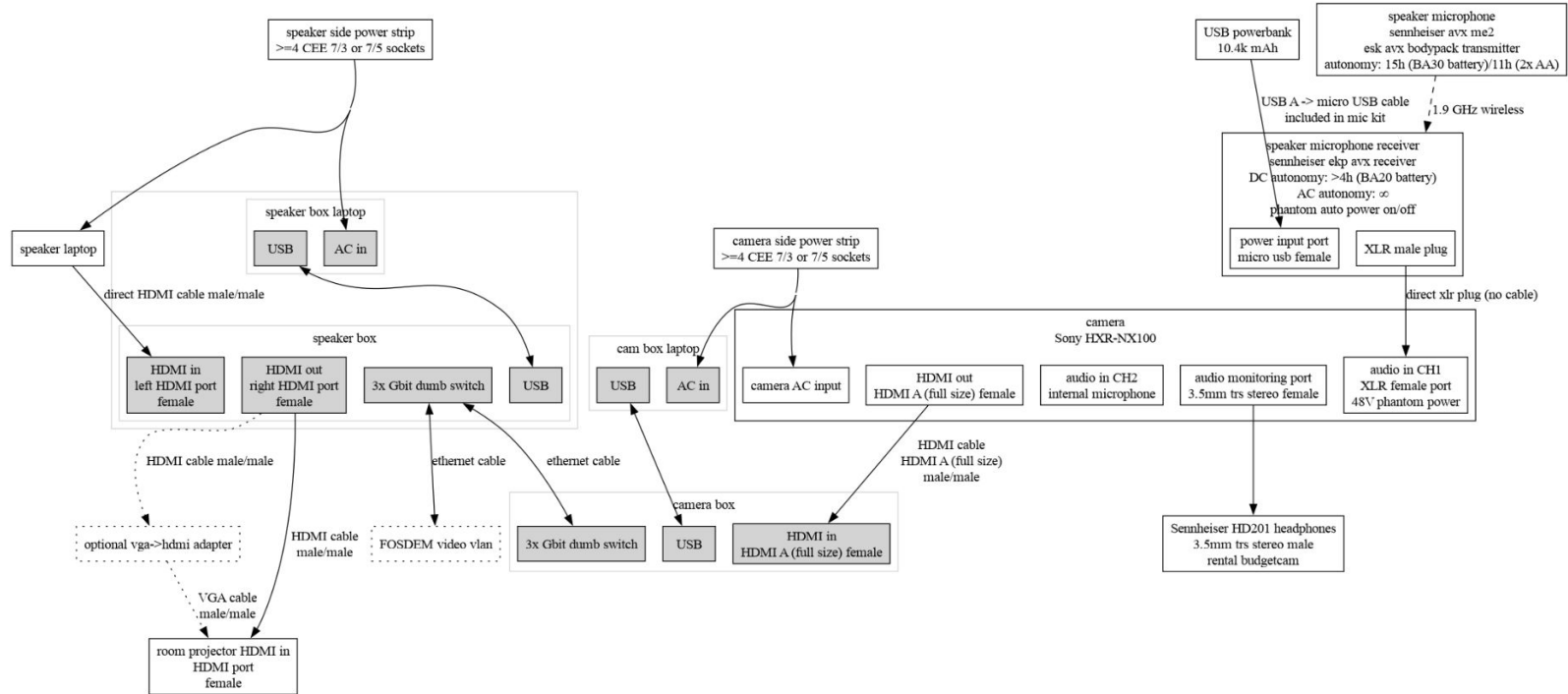
More details?

Check out the talk from Martijn and Angel

Happening right now




















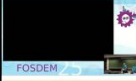







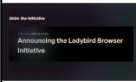
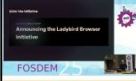





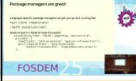





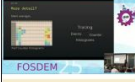

































Example Cabling for a room



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](#)

aw1120    cam: box93 sld: box86 vtp: vtoctop23	aw1126    cam: box46 sld: box95 vtp: vtoctop1	h1301    cam: box17 sld: box100 vtp: vtoctop2	h1302    cam: box59 sld: box84 vtp: vtoctop3	h1308    cam: box03 sld: box08 vtp: vtoctop4	h1309    cam: box37 sld: box54 vtp: vtoctop5	h2213    cam: box16 sld: box07 vtp: vtoctop6	h2214    cam: box05 sld: box14 vtp: vtoctop7	h2215    cam: box79 sld: box41 vtp: vtoctop8	janson    cam: box55 sld: box88 vtp: vtoctop9	k1105    cam: box67 sld: box48 vtp: vtoctop10	k3201    cam: box81 sld: box96 vtp: vtoctop11
k3401    cam: box65 sld: box98 vtp: vtoctop12	k3601    cam: box91 sld: box36 vtp: vtoctop30	k4201    cam: box99 sld: box38 vtp: vtoctop13	k4401    cam: box85 sld: box52 vtp: vtoctop14	k4601    cam: box69 sld: box10 vtp: vtoctop15	ua2114    cam: box45 sld: box44 vtp: vtoctop16	ua2118    cam: box47 sld: box62 vtp: vtoctop17	ua2220    cam: box39 sld: box12 vtp: vtoctop18	ub2147    cam: box43 sld: box80 vtp: vtoctop19	ub2252a    cam: box63 sld: box58 vtp: vtoctop20	ub4132    cam: box51 sld: box40 vtp: vtoctop21	ub4136    cam: box87 sld: box34 vtp: vtoctop29

ub5132   cam: box85 sld: box52 vtp: vtoctop14	ub5230   cam: box69 sld: box10 vtp: vtoctop15	ud2120   cam: box45 sld: box44 vtp: vtoctop16	ud2208   cam: box47 sld: box62 vtp: vtoctop17	ud2218a   cam: box39 sld: box12 vtp: vtoctop18	ud6215   cam: box43 sld: box80 vtp: vtoctop19
--	--	--	--	---	--



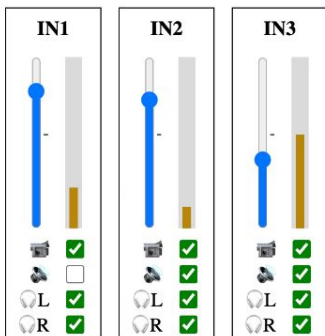
Room ub2252a

Room Status:

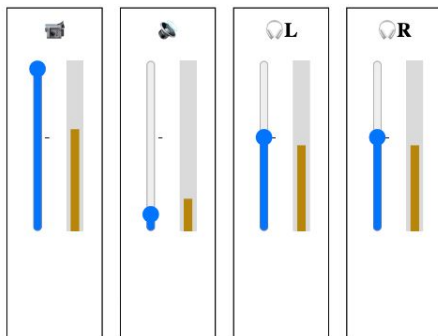
side-by-side presenter	side-by-side slides
fullscreen presenter	fullscreen slides

Mixer on box58.video.fosdem.org; [Grafana](#)

Inputs (pre-fader)



Outputs (post-fader)



Stream



Camera



Slides



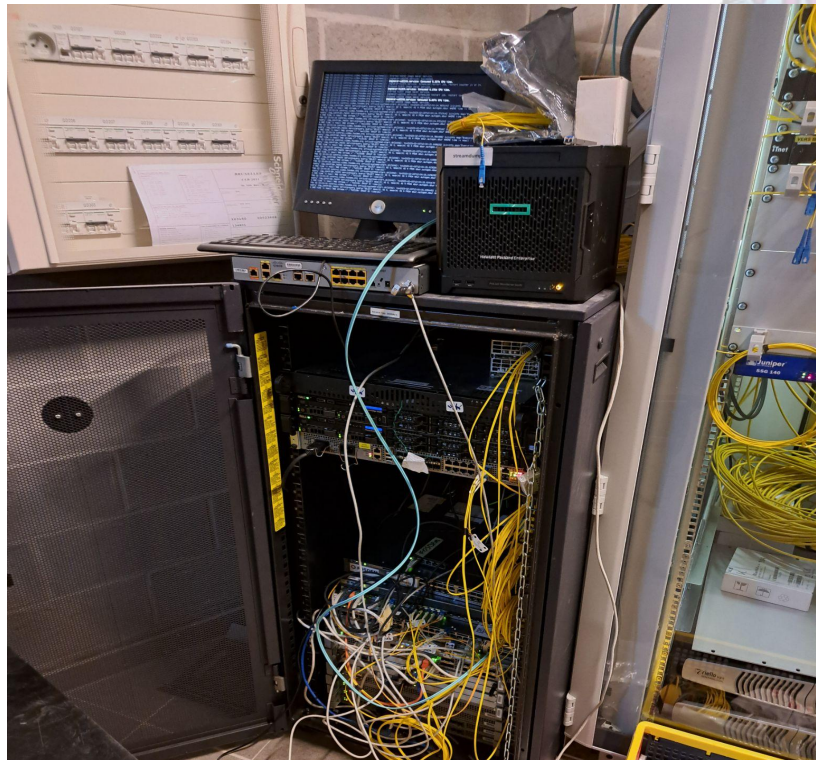
Audio



Cambox box63.video.fosdem.org

Slidesbox box58.video.fosdem.org

Render Farm 2023 Edition



Render Farm 2024-2025 Edition



Timelines



Installation of router

2016: Friday
2017: December
2018: December
2019: December
2020: December
2023: January
2024: January 24th (new 10g uplink)
2025: January 6th

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
2025: Wednesday 16:00, last hiccups fixed Fri 12:20

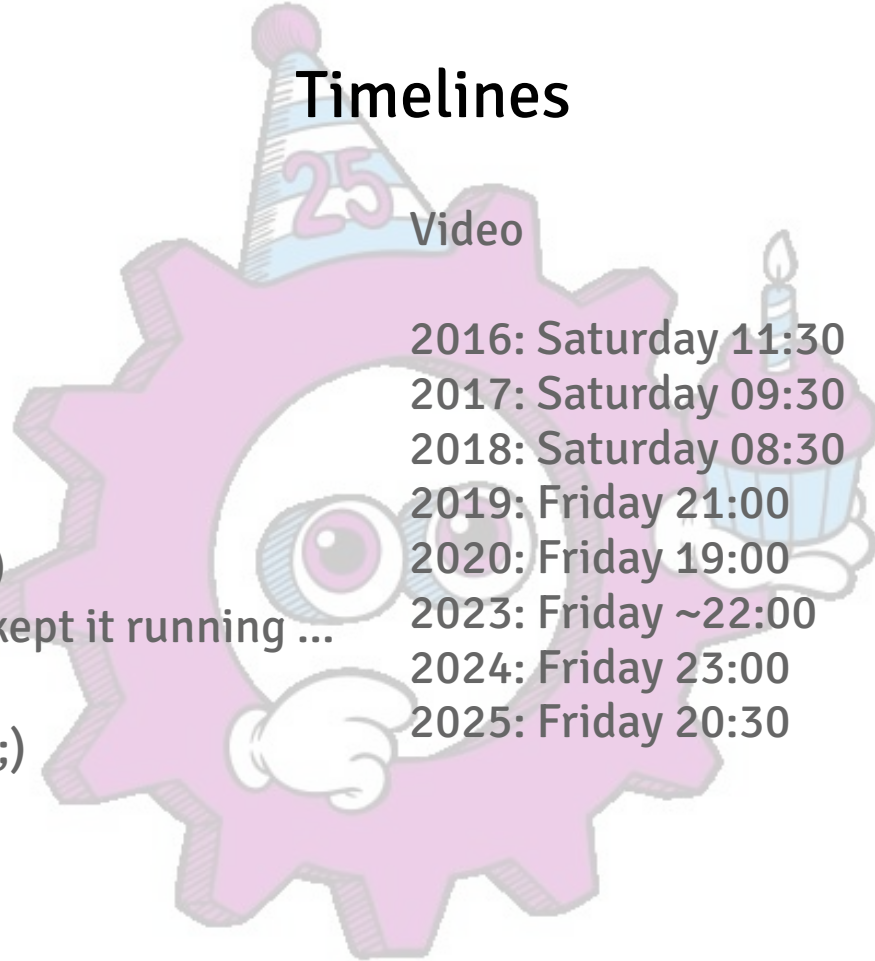
Timelines

Monitoring

2016: Saturday 12:00
2017: Saturday 09:00
2018: January
2019: January
2020: January (2019!)
2023: January 13th , kept it running ...
2024: Immediate ;)
2025: Jan 13th, 2023 ;)

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
2025: Friday 20:30



Redoing our setup for 202(4|5)

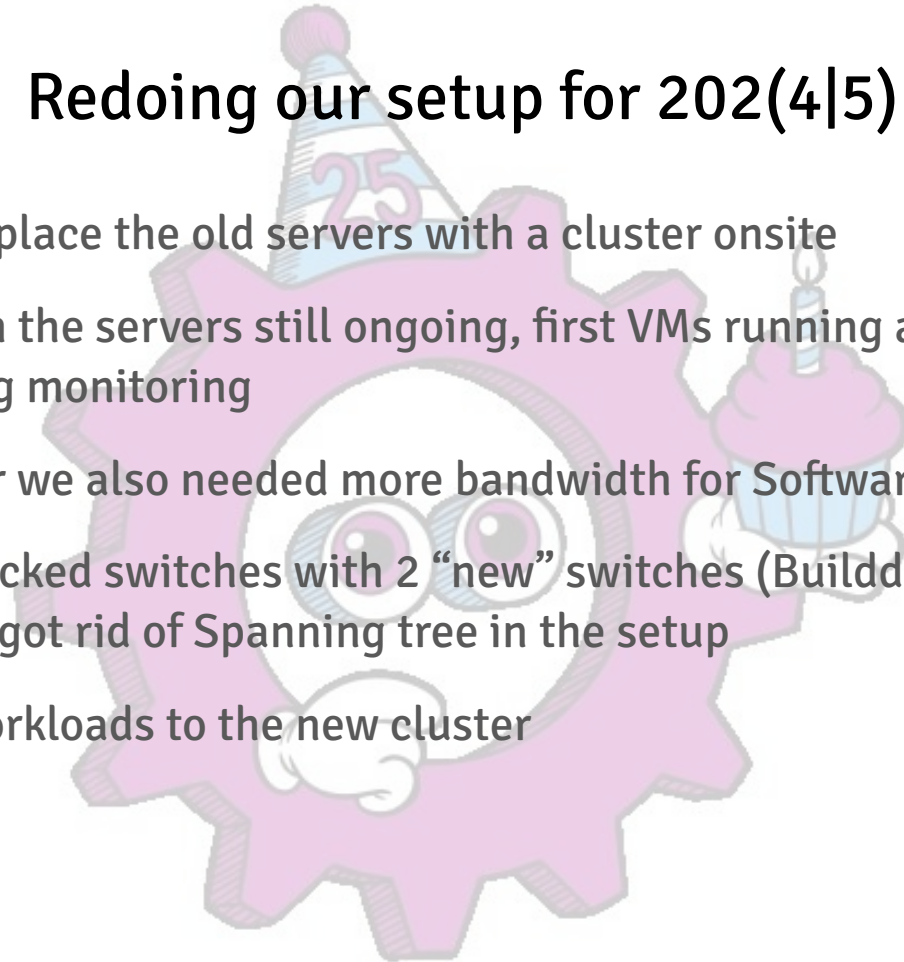
Plan was made to replace the old servers with a cluster onsite

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

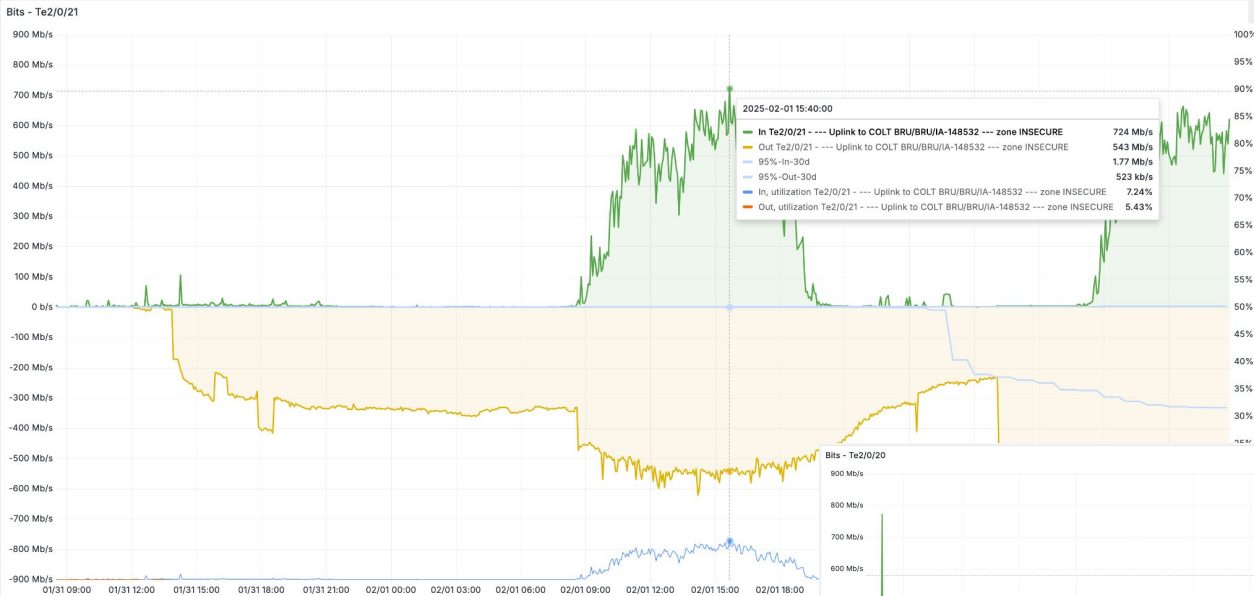
Replaced the old stacked switches with 2 “new” switches (Builddate: 2012-07-25) that now do MLAG - got rid of Spanning tree in the setup

.... still migrating workloads to the new cluster

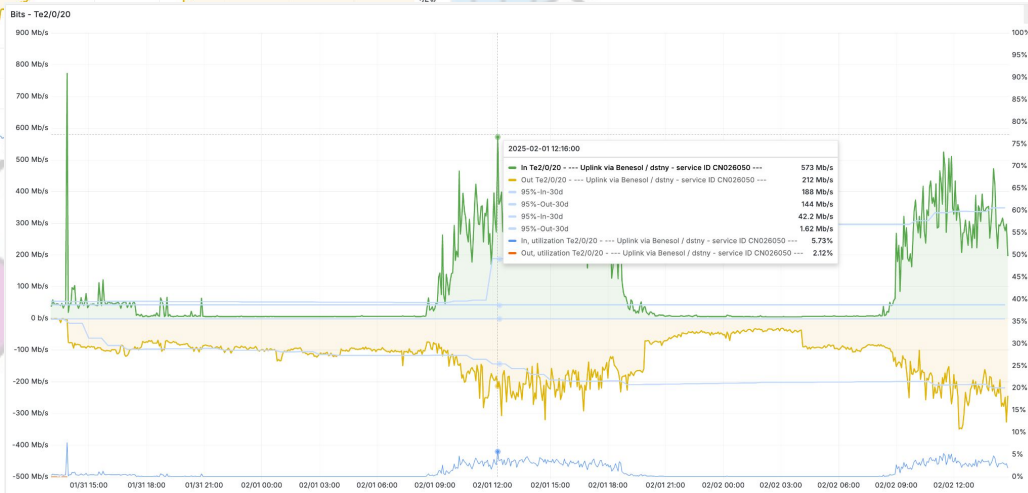


Uplinks

colt



dstiny



Clone our Conference

- Clone our Infrastructure: <https://github.com/FOSDEM/infrastructure>
- Check out our video setup: <https://github.com/FOSDEM/video/>



Q & A

