

FOSDEM infrastructure review

Things work, and we got to sleep a few hours

Richard Hartmann,
RichiH@{freenode,OFTC,IRCnet},
richih@{fosdem,debian}.org

2018-02-04

Silence before the storm?

- For the first time in FOSDEM's existence, we have had time to sit down and breathe
- Staff kept remarking to each other, that any second now, something will explode

Word of the conference: "boring"

- We reached a place of stability
- Our changes are now all evolutionary, not revolutionary
- Sleep levels are way up, and we like it that way

Core infra

- Cisco ASR 1006 for routing, ACLs, NAT64, DHCP
- Two servers for all others services, done via Ansible
- All monitoring with Prometheus & Grafana; data for public dashboard sent to, persisted with, and served by Kausal.co

Video

- Capture with our video boxes
- Send streams to render farm
- Send streams off-site for streaming and cutting into finished videos
- Semi-automated review and cutting process via <https://github.com/yoe/sreview>

Timelines

- Installation of router
 - 2016: Friday
 - 2017: December
 - 2018: December
- Network up
 - 2015: Saturday 05:00
 - 2016: Friday 19:00
 - 2017: Friday 16:00
 - 2018: Friday 12:00

Timelines

- Monitoring
 - 2016: Saturday 12:00
 - 2017: Saturday 09:00
 - 2018: January
- Video
 - 2016: Saturday 11:30
 - 2017: Saturday 09:30
 - 2018: Saturday 08:30

Caveats

- Know your automation tools
- Debugging and fixing is very different from the traditional approaches
- The re-use of code and config makes you miss things
 - FOSDEM 2017 background
 - Internally, our t-shirt tracker still thought it was 2017

It's open

- If you know of a decent CMDB, let me know!
- Try our monitoring:
`https://dashboard.fosdem.org`
- Clone our conference:
`https://github.com/FOSDEM/infrastructure`