

# FOSDEM infrastructure review

We have become so good, this is basically last year's talk

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# Silence before the storm?

- For the SECOND time in FOSDEM's existence, we have had time to sit down and breathe
- Staff was wary about the silence last year, but we kinda felt OK this time

## 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; will get SSDs after this event
- All monitoring with Prometheus & Grafana
- Data for public dashboard sent to, persisted with, and served by Cortex on Grafana.com

# 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
  - 2019: December
- Network up
  - 2015: Saturday 05:00
  - 2016: Friday 19:00
  - 2017: Friday 16:00
  - 2018: Friday 12:00
  - 2019: Thursday, last hiccups solved on Friday 19:00

# Timelines

- Monitoring
  - 2016: Saturday 12:00
  - 2017: Saturday 09:00
  - 2018: January
  - 2019: January
- Video
  - 2016: Saturday 11:30
  - 2017: Saturday 09:30
  - 2018: Saturday 08:30
  - 2019: Friday 21:00

# 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; but we learned from 2018
  - 2018: FOSDEM 2017 background
  - 2018: Internally, our t-shirt tracker still thought it was 2017



# Only new thing

- We will be using netbox as our CMDB going forward
- Try our monitoring:  
`https://dashboard.fosdem.org`
- Clone our conference:  
`https://github.com/FOSDEM/infrastructure`