

# FOSDEM infrastructure review

We have become so good, this is basically the talk from two years ago :)

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# Repetition

- This is almost the same talk as last year, and the year before that
- Which is good!

# Repetition

When I switched to doing infrastructure for FOSDEM around 2015, this was distilled pain

## Silence before the storm?

- For the THIRD time in FOSDEM's existence, we have had time to sit down and breathe
- I could spend half a day in my devroom and didn't need to put out fires all the time
- We are actually getting to like the state of things, it's not a constant waiting-for-the-next-emergency thing

## 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; redeployed from scratch the week before FOSDEM and it Just Worked(tm)
- 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 - new version!
  - See <https://github.com/fosdem/video>
  - Full talk about this <https://fosdem.org/2020/schedule/event/videobox/>
- 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>

# Render farm, 2020 edition



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# DNS64

- The last few years, we ran DNS64 on Bind
- This year, it's CoreDNS
- 50% reduction in CPU usage

# Timelines

- Installation of router
  - 2016: Friday
  - 2017: December
  - 2018: December
  - 2019: December
  - 2020: 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
  - 2020: Friday 18:00

# Timelines

- Monitoring
  - 2016: Saturday 12:00
  - 2017: Saturday 09:00
  - 2018: January
  - 2019: January
  - 2020: January 2019! :)
- Video
  - 2016: Saturday 11:30
  - 2017: Saturday 09:30
  - 2018: Saturday 08:30
  - 2019: Friday 21:00
  - 2020: Friday 19:00

## Next year

Centralized syslog for all teams through Loki

# Clone our conference

- Try our monitoring:  
<https://dashboard.fosdem.org>
- Clone our conference:  
<https://github.com/FOSDEM/infrastructure>
- We might be able to start helping other conferences. Ongoing dicussions and we hope to be able to do that