

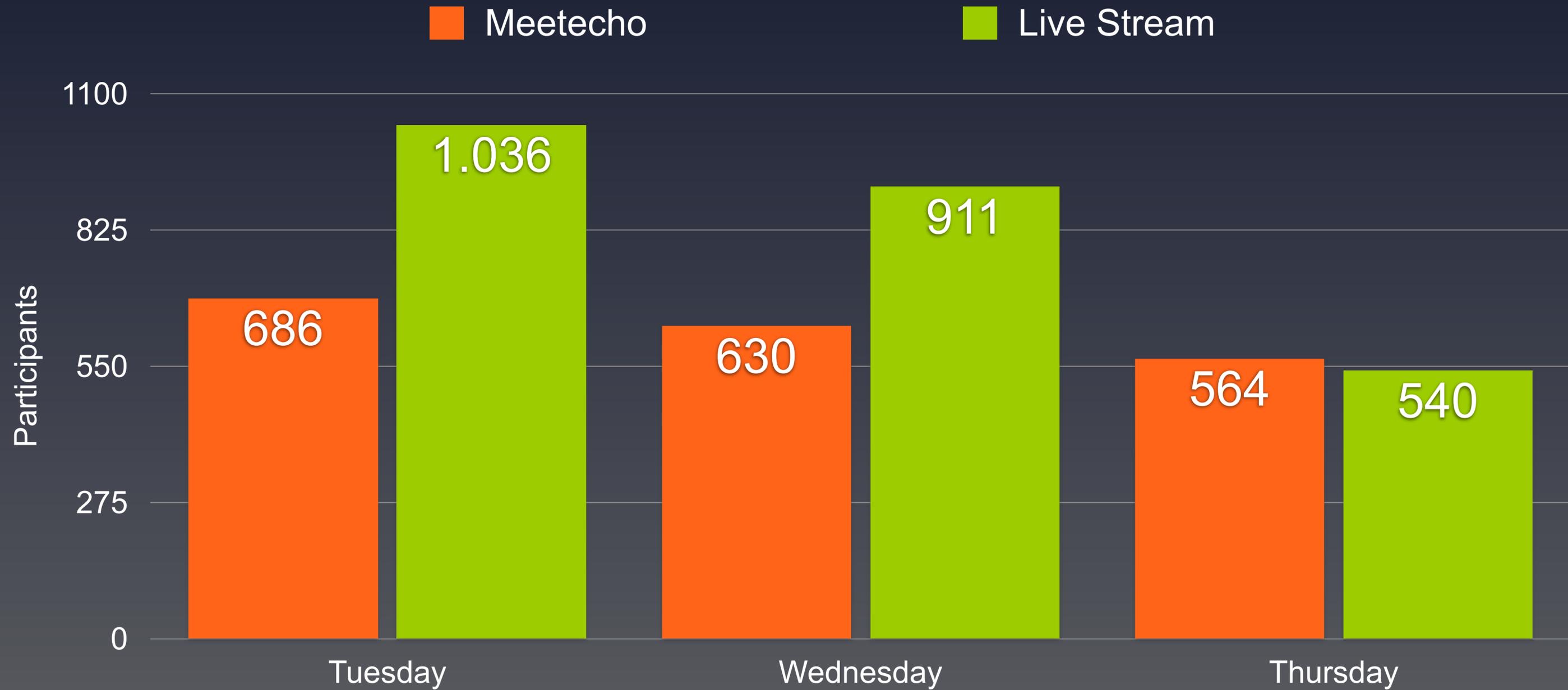


RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE 81 Technical Report

Oliver Payne
RIPE NCC

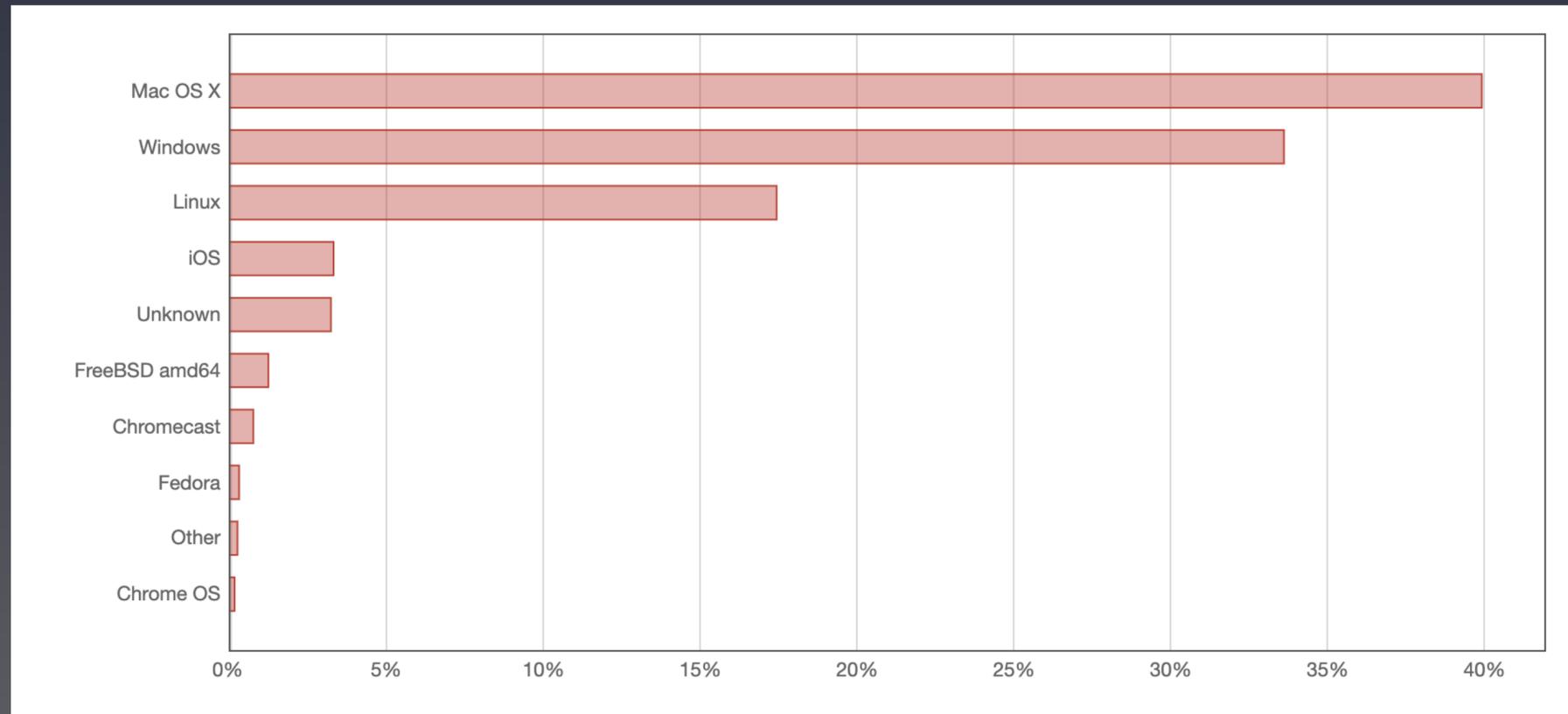
Some numbers



Some more numbers...

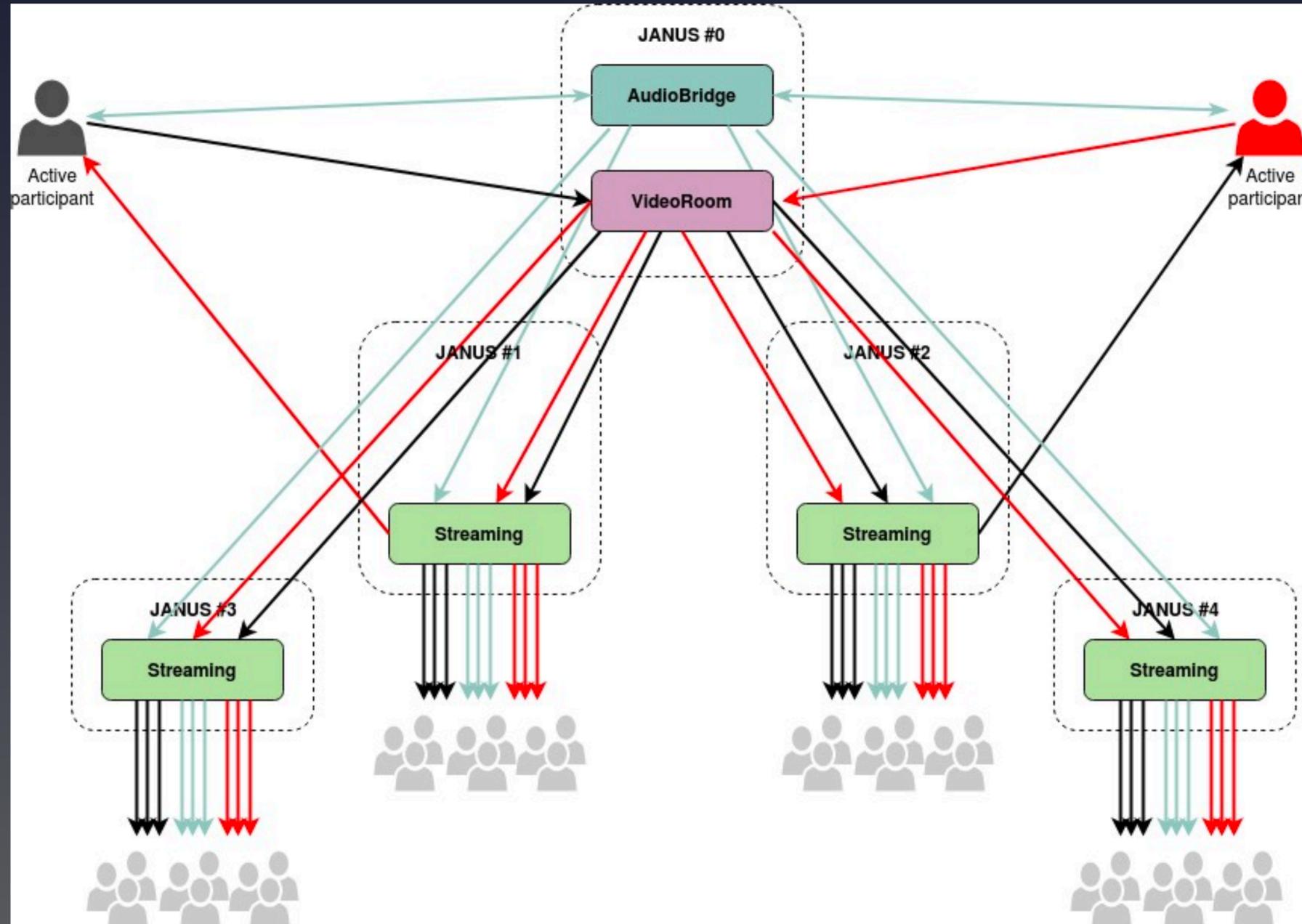


- Over 94 days of media streamed
- 36.1% over IPv6
- Over 50 countries



Netherlands	32.31%	331.32 GB
Germany	18.49%	176.88 GB
United Kingdom	5.29%	49.60 GB
Italy	4.52%	41.14 GB
Switzerland	3.23%	29.94 GB
Sweden	3.11%	27.67 GB
Poland	2.79%	25.32 GB
France	2.73%	24.04 GB
Russian Federation	2.51%	20.17 GB
Denmark	1.75%	20.07 GB

Meet Meetecho



Meet Meetecho



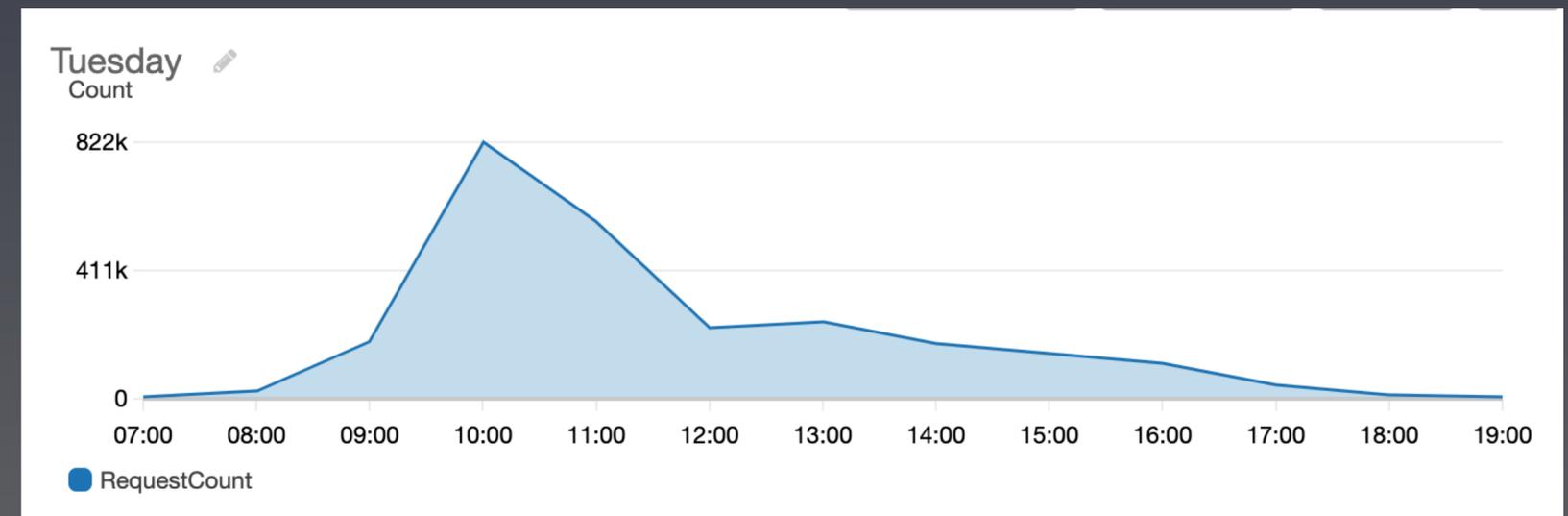
server unreachable

check your internet connection and try refreshing the page

Tuesday's Trauma



- There was no 'hard limit' of 400 participants
 - The infrastructure just happened to start suffering at around the 400 participant mark
 - Meetecho was load-tested before launch, however due to our last-minute requested changes to the platform, we introduced additional unexpected load.
- Web socket timeouts, we DDoSed ourselves 🤪
 - Quick fix on Tuesday afternoon was to increase the timeout for clients
 - Root cause was fixed Tuesday evening



After Tuesday



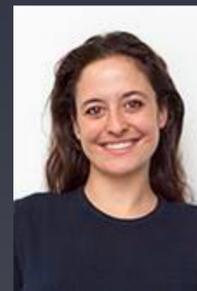
- A few more edge cases
 - Happy Eyeballs potentially interfering with a participant's session
 - Browsers with cookies/fingerprinting blocked
 - Safari in general
 - Mobile experience
- The good stuff
 - First time we could all collaborate on a single platform using an open-source technology - <https://github.com/meetecho/janus-gateway>
 - No need to install software on your own devices
 - No regional restrictions, available to everyone across the globe



How did it go?

- Feedback is more important than ever before
- Thanks to everyone who helped us debug issues!

Martina



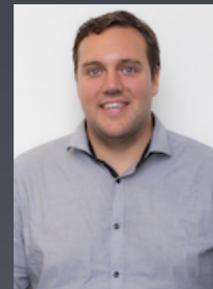
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Questions



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