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5th TF-WebRTC meeting



CERN WebRTC & Vidyo update

Marek Domaracky
CERN IT

- Vidyo@CERN
- CERN WebRTC
- Future

VIDYO@CERN: SCALE AND INFRASTRUCTURE

Service Scale in Numbers

22,288 users

1600
simultaneous connections



11
phone
access points
worldwide

12 
simultaneous
recordings



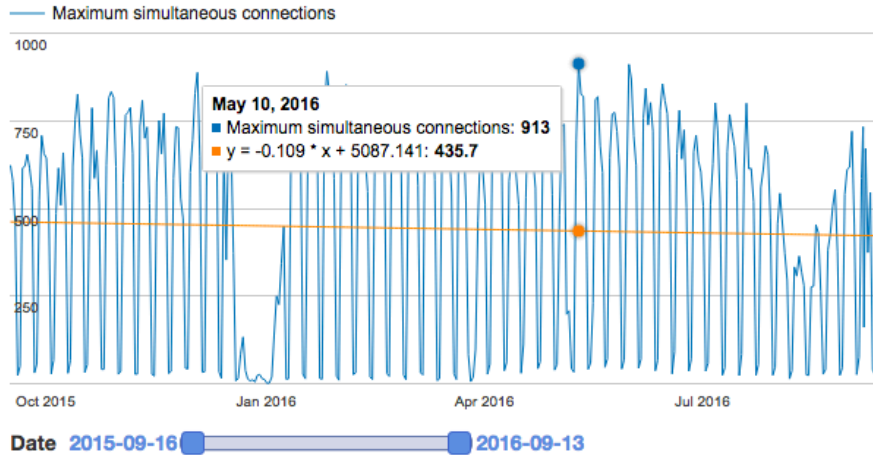
CERN Vidyo Infrastructure



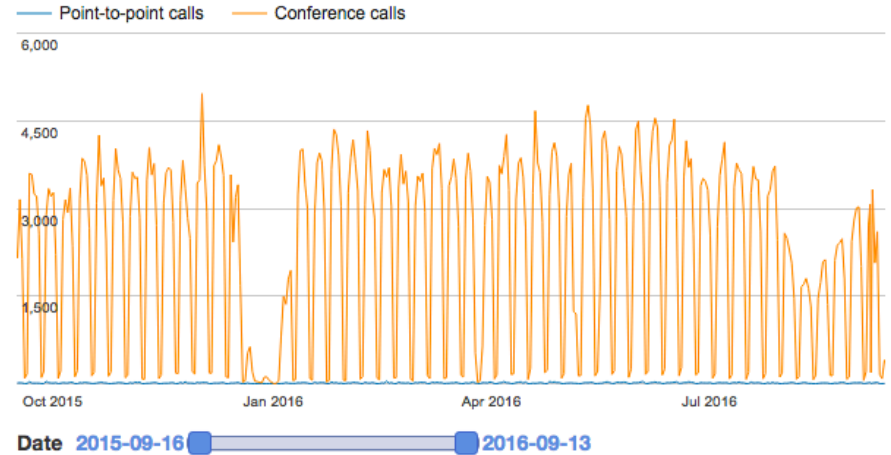
- 2 portals (redundant)
- 22 routers
- 13 gateways
- 11 phone accesses
- 6 webRTC servers
- 1 VidyoReplay

Vidyo: Usage Evolution

Maximum simultaneous connections



Total number of connections

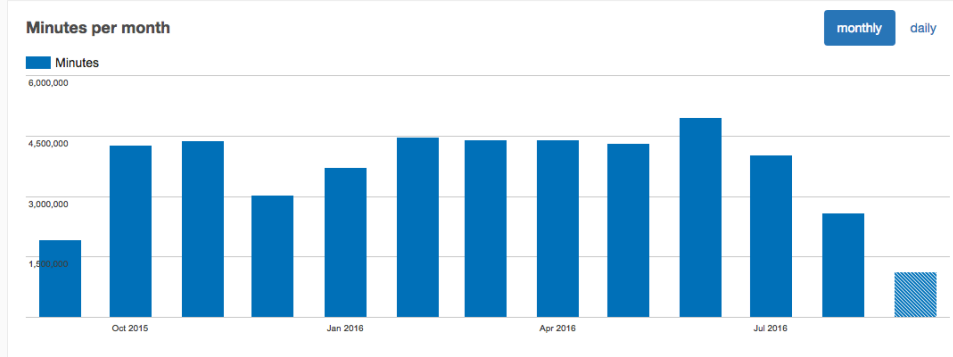


Vidyo: Usage Evolution

Minutes in conferences

MEDIAN 4.3m PEAK 5.0m

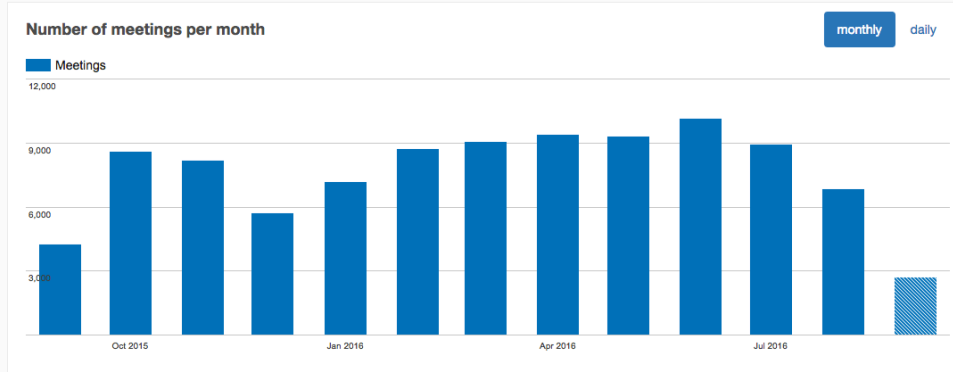
2.6m
minutes in August



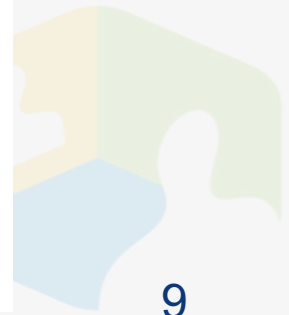
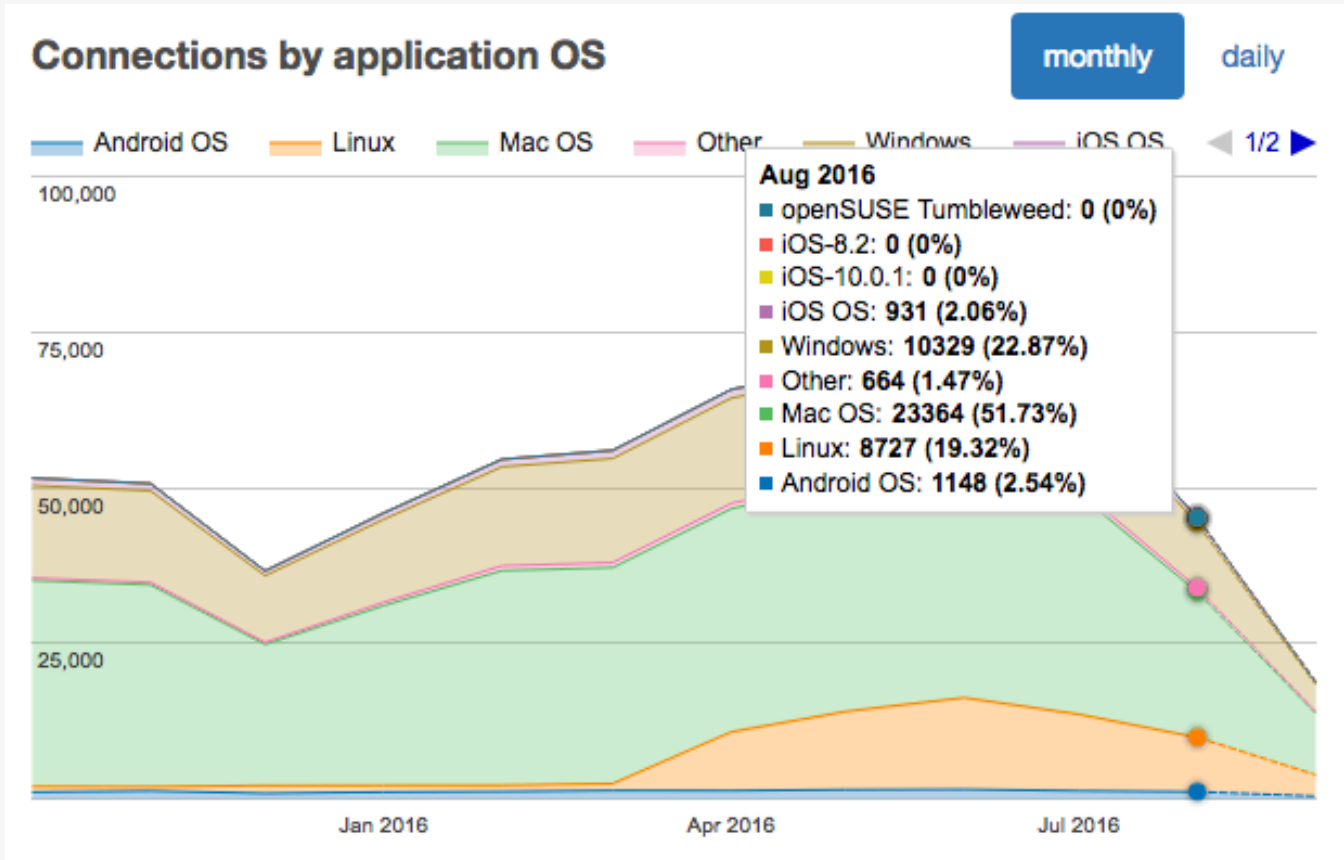
Meetings

MEDIAN 8.6k PEAK 10.1k

6.9k
meetings in August



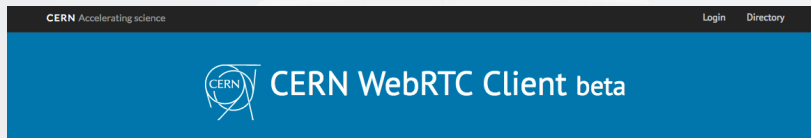
Vidyo: Usage Evolution



CERN WebRTC

Vidyo WebRTC Development

- Custom client based on the Vidyo API
- 2 load balanced Session Managers + 4 Media Servers
 - Max 60 concurrent calls
- <https://vidyowebrtc.web.cern.ch>



Join a meeting

Room URL *

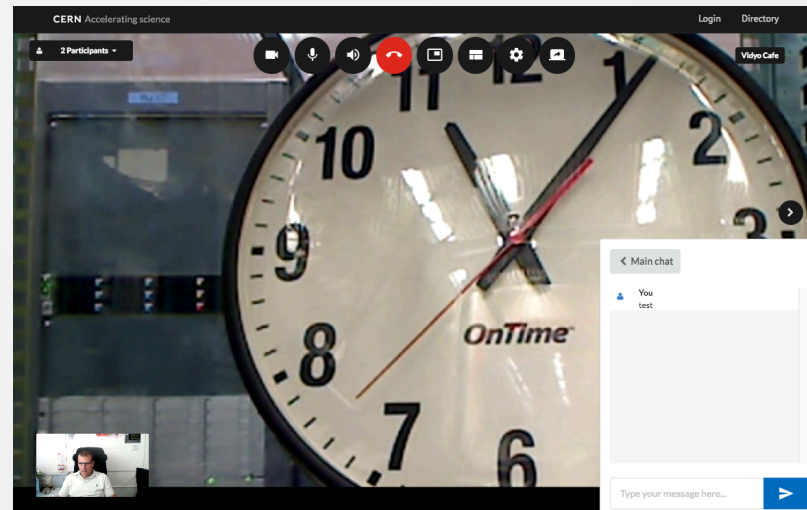
[Set Test Room](#)

Room Pin (if any)

Guest name *

[Join the meeting](#)

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FUTURE

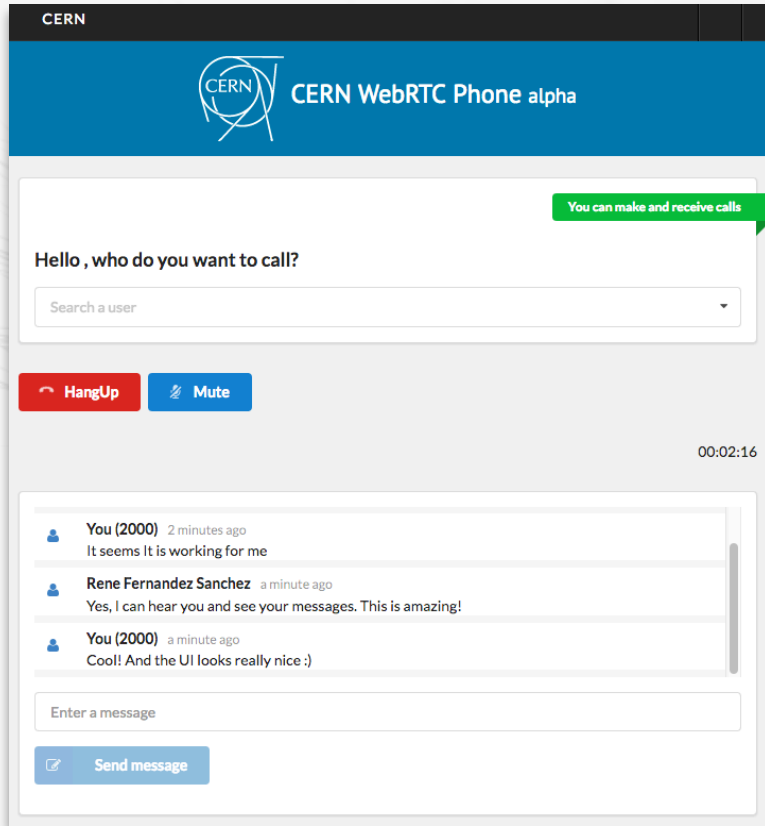
Roadmap

- WebRTC API Next Generation (Q4 2016)
 - Release together with Next Gen client (*Neo*) and infrastructure (*Trinity*)
 - Native WebRTC support across all elements of the infrastructure
 - Authentication

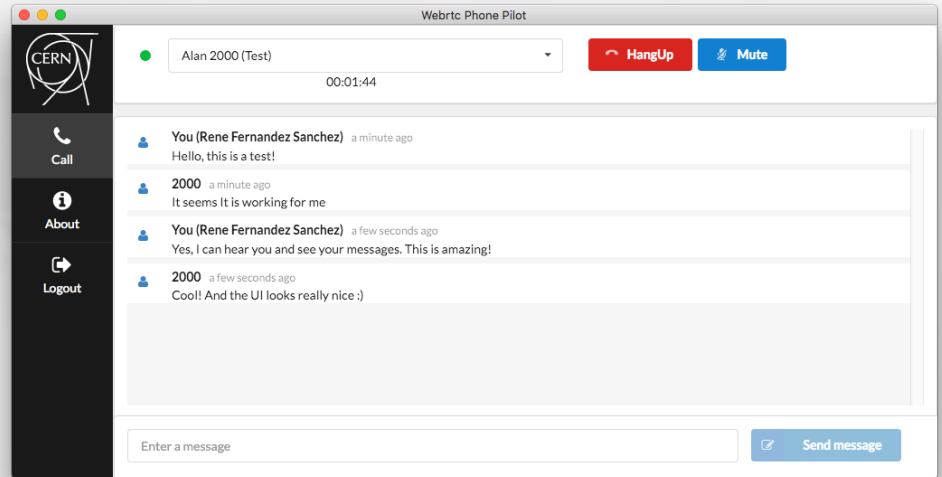
What's Next?

- Adapt the CERN WebRTC client to the new API
- Increase the capacity
- Default client for Linux

WebRTC Phone Pilot



Web application



Desktop application



DEMO



Thank You!
Questions?

