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Innovation Programme 2021

mingleMeet
interactive meeting space
for eduMEET

GÉANT Innovation Programme

Due to grants from GÉANT Innovation Programme we were able to:

- extend range of work related to  **eduMEET**
- involve more developers for parallel implementations
- deliver 2 innovative functional extensions:
 - mingleMEET
 - VoDsync
- capture the interest of new groups of:
 - potential users
 - open source community



Thank you!

eduMEET

WebRTC based web-conferencing tool delivered as a software package for on-prem installations



The platform is part of the GÉANT online services portfolio

NRENs and MANs can run it as SaaS for their institutions

- Open source web-conferencing system
- Interactive, web-based videoconferencing platform supporting distant learning processes (LTI, official Moodle plugin)
- Created by the GÉANT community for R & E communities
- Trustworthy, private, self-hosted and secure
- We do understand needs and listen to our community



VoDsync

How to share high quality AV materials via videoconferencing systems?

- screen sharing?
the compression and framerate vs. video quality!
- share a link to external service?
synchronization not possible

How about new solution?

- innovative, synchronous approach
- embedded into web-conferencing system





eduMEET

VOD Sync



VoDsync

Upload

- prepare AV material(s) for sharing
- by uploading them via eduMEET tab („drawer”)



Manage

- playback management
delete file(s), rearrange, add new



Control

- remotely and synchronously control all players
play / pause / seek to a moment within the video
- players of all other participants displays the same!
 - remote players exactly follow the interactions at presenter's player
 - presenter can make sure that all the participants see the exact same moment and can make pauses to explain fragments of the video



Vod

ADD FILE 2/2 CLOSE

globe_rotating.mp4

street_cars_park.mp4

Me dn

Participants



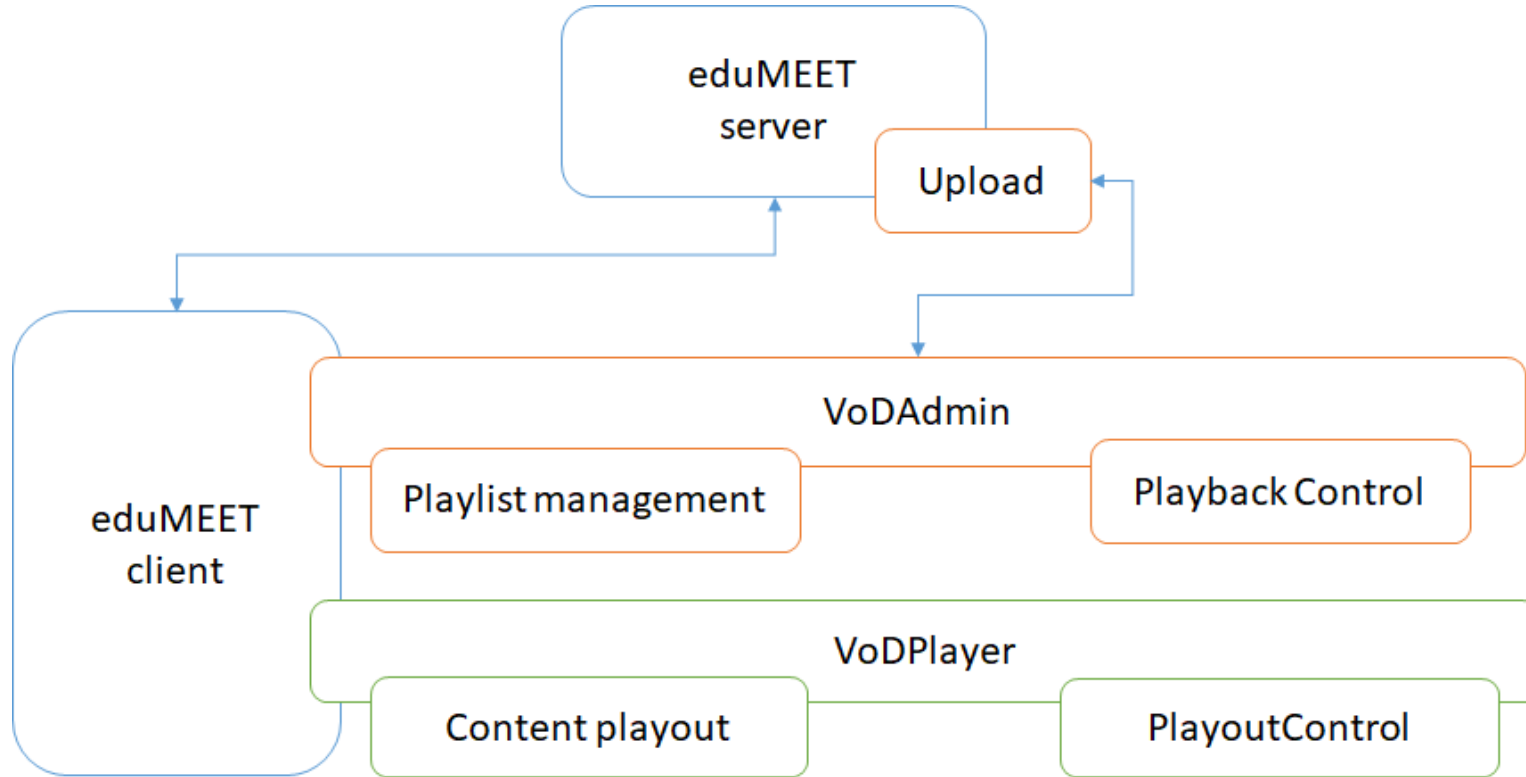


Use case scenarios - examples

- telemedicine
 - remote rehabilitation for group of patients
- education
 - common trainings that require accurate synchronisation
- art
 - synchronise AV background for all artists to align / synchronise feedback channels



VoDsync - architecture





Thank you!

Please join Multimedia session

Breakout room 2

15:00 - 16:30

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