

# 21st International Conference on Computing in High Energy and Nuclear Physics (CHEP2015)



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## Vidyo@CERN: A Service Update

*Thursday, 16 April 2015 09:15 (15 minutes)*

We will present an overview of the current real-time video service offering for the LHC, in particular the operation of the CERN Vidyo service will be described in terms of consolidated performance and scale: The service is an increasingly critical part of the daily activity of the LHC collaborations, topping recently more than 50 million minutes of communication in one year, with peaks of up to 852 simultaneous connections. We will elaborate on the improvement of some front-end key features such as the integration with CERN Indico, or the enhancements of the Unified Client and also on new ones, released or in the pipeline, such as a new WebRTC client and CERN SSO/Federated SSO integration. An overview of future infrastructure improvements, such as virtualization techniques of Vidyo routers and geo-location mechanisms for load-balancing and optimum user distribution across the service infrastructure will also be discussed. The work done by CERN to improve the monitoring of its Vidyo network will also be presented and demoed.

As a last point, we will touch the roadmap and strategy established by CERN and Vidyo with a clear objective of optimizing the service both on the end client and backend infrastructure to make it truly universal, to serve Global Science; that includes the introduction of the multi-tenant concept to serve different communities, as the follow up of CERN's decision to offer the Vidyo service currently operated for the LHC, to other Sciences, Institutions and Virtual Organizations beyond HEP that might express interest for it.

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