

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



Contribution ID: 80

Type: oral presentation

Scaling the CERN OpenStack cloud

Monday, 13 April 2015 16:30 (15 minutes)

CERN has been running a production OpenStack cloud since July 2013 to support physics computing and infrastructure services for the site. This is expected to reach over 100,000 cores by the end of 2015.

This talk will cover the different use cases for this service and experiences with this deployment in areas such as user management, deployment, metering and configuration of thousands of servers across two data centres.

Ongoing research, such as bare metal management, containers, software defined networking and orchestration will also be covered.

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Session Classification: Track 7 Session

Track Classification: Track7: Clouds and virtualization