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CERN and Huawei announce a collaboration to improve OpenStack for running large scale scientific workloads

CERN and Huawei, one of the companies that is working with T-Systems to develop a prototype for HNSciCloud, in the context of CERN openIab (http://openIab.cern/), will jointly work on improvements to OpenStack for running large scale scientific workloads.

This collaboration was announced at the CERN openIab open day on 21st September 2017 (https://indico.cern.ch/event/633007/overview).

Over 90% of CERN's compute resources are delivered using OpenStack. OpenStack provides software for private and public clouds and CERN and Huawei are among the major contributors to the open source project (Huawei is a platinum member of the OpenStack foundation).

With the needs of LHC computing in future years, efficient and flexible delivery of compute resources will be key. That's why CERN and Huawei have joined forces to jointly work on improvements to OpenStack for running large scale scientific workloads.

The developments will be done within the OpenStack community following the standard open source processes.

Focus areas will be:

- Flexible resource management Thank you for accepting cookies
- Quotas



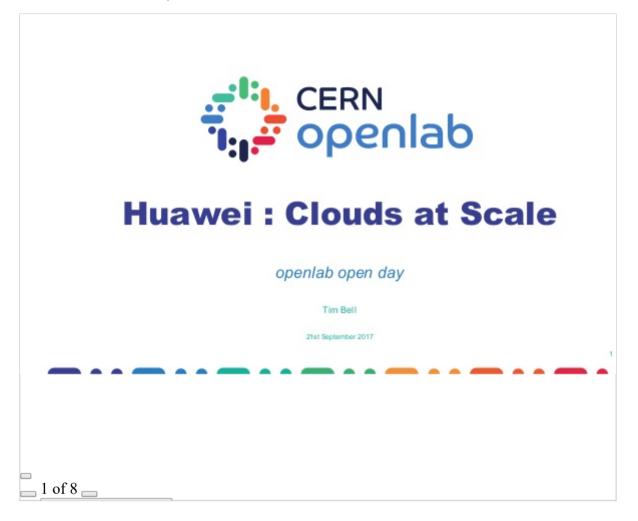


Hide More info Compute cells

Changes, resulting from this activity, will then be included into the CERN private cloud and Huawei's private and public cloud offerings.

To find more information please browse the presentation here

(https://www.slideshare.net/HelixNebulaTheScienc/cern-huawei-collaboration-to-improve-openstack-for-running-large-scale-scientific-workloads).



CERN & Huawei collaboration to improve OpenStack for running large scale scientific workloads (//www.slideshare.net/HelixNebulaTheScienc/cern-huawei-collaboration-to-improve-openstack-for-runninglarge-scale-scientific-workloads) from Helix Nebula The Science Cloud (https://www.slideshare.net/HelixNebulaTheScienc)

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First HNSciCloud Procurer Host... (/events/first-hnscicloud-procurer-hosted-event-17-18-april-esrf-grenoble-france) Preparing for High-Luminosity... (/events/preparing-high-luminosity-lhc-hnscicloud-presented-the-open-scienceconference-lage-2018-for-barliebting cookies

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Who's behind HNSciCloud?

HNSciCloud Pre-Commercial Procurement is driven by ten leading research organisations from across Europe.



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