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Cassandra and Persistent RAM ^[1]

Date:

Thursday, 27 October, 2016 - 11:00 to 12:00

Location:

[IT Amphitheatre](#) ^[2]

Several vendors have recently announced the availability of persistent RAM where the physics of the memory cell allow the information to persist when power is off. Historically, the I/O subsystem was built around mechanical devices that were many orders of magnitude slower than the compute system and cost as much as the computer itself. Can persistent RAM eliminate most/all of the storage subsystem? This presentation will introduce persistent RAM in several forms. It will discuss the impact it will have on an application like Cassandra, and what needs to be developed in response. This presentation is valuable to anyone interested in very high performance where applications require dynamic updates and resilience to power failures. Persistent RAM, available at a reasonable price, will change the computing world.

Indico or other event webpage:

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Links

[1] <http://test-static-05.web.cern.ch/news/cassandra-and-persistent-ram>

[2] <https://maps.cern.ch/mapsearch/mapsearch.htm?n=%5B%2731/3-004%27%5D>

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