



Contribution ID: 184

Type: **Poster**

Life in extra dimensions of database world or penetration of NoSQL in HEP community

Thursday, May 24, 2012 1:30 PM (4h 45m)

The recent buzzword in IT world is NoSQL. Major players, such as Facebook, Yahoo, Google, etc. are widely adopted different “NoSQL” solutions for their needs. Horizontal scalability, flexible data model and management of big data volumes are only a few advantages of NoSQL. In CMS experiment we use several of them in production environment. Here we present CMS projects based on NoSQL solutions, their strengths and weaknesses as well as our experience with those tools and their coexistence with standard RDMS solutions in our applications.

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Session Classification: Poster Session

Track Classification: Software Engineering, Data Stores and Databases (track 5)