Computing and database activities

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Rome, November 30th 2011

STATUS

- Just started a collaboration with the SuperB Computing Group (coordinator: F. Bianchi INFN – Turin)
- Obtained SuperB account @CNAF and SuperB VO membership
- Specific tasks:
 - (distributed) computing model
 - DB design: data placement database (official and user production), GRID resources
- Work in collaboration with A. Fella (INFN Pisa) and INFN Ferrara (L. Tomassetti and other)
- A lot of things to learn about HEP Computing

DISTRIBUTED COMPUTING MODEL

- To be completed before the end of 2013
- A lot of R&D work to do
- Priority: production framework

DATABASES

- Data placement DB: maintain information regarding data structure and data location on distributed environment. The client systems should be the GANGA (r/w and definition of dataset) and PhEDEx/FTS (information backend)
- Porting metadata from book-keeping to placement DB
- Generalisation for Fast and Full simulations
- Access to SBK4 DB (Fast/Full)
- Grid Resources DB: collects information about the present time grid services status all over the VO enabled sites. A daemon is responsable to fill up the tables every time quantum asking to GIS and Nagios VO service. Ganga and production systems will rely on information residing in such a DB. Pros: immunities by GIS and Nagios downtime.

SBK4

