Subject: Computing Meeting, Wednesday, January 30, 2008
Posted by Silvia Masciocchi on Mon, 28 Jan 2008 09:40:13 GMT
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Meeting at 12:30 in room 4.161
Minutes by Victor Penso

Preliminary Agenda:
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Developments
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1. Status of transfer of December data (Kilian)
- grid1/grid2 database problem solved?

2. Report on xrootd developments with Fabrizio (Kilian, +??)

3. xrootd interface (Anna)

4. Speed tests (Misha)

Users' support
==========
0. Maintance of Alice software - AliEn, Root, AliRoot

1. GRID analysis jobs (Ana, Kilian)

2. Organization of the information to go on the wiki page (Jacek)
e.g. recipe for user request of data mirroring

Subject: Re: Computing Meeting, Wednesday, January 30, 2008
Posted by Misha Zynovyev on Tue, 29 Jan 2008 17:15:17 GMT
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The latest results of analysis performance tests.
Comparison between ordinary analysis code and modified code. Modified code includes a C++ function, which caches a ROOT file before ROOT is going to read it. The caching (reading into memory) takes place in Notify() function of TSelector or AliAnalysisManager for Pythia or ESD respectively.

File Attachments
1) disk_tests.pdf, downloaded 710 times

Subject: minutes
Posted by Victor Penso on Thu, 31 Jan 2008 10:25:17 GMT

Developments
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1. Status of transfer of December data (Kilian)

So far no data has been transferred to GSI. This issue should be considered as high priority from all sites. Kilian will try to disentangle the necessary steps to get it working directly with Pablo next week.

Marians students need these data to finish their diploma work until march. It has been discussed to transfer roughly two terabyte of data manually if the automated mechanism won't be repaired soon.

Central reconstruction has been stopped due to high failure rates. Work is underway to correct this behavior. Marian pointed out that this is time-critical and he works on a "private" reconstruction at CERN.

- grid1/grid2 database problem solved?

After updating the machines to the latest AliEn version and adjusting the configuration the storage should work again.

2. Report on xrootd developments with Fabrizio (Kilian)

Installation and configuration has been done by Kilian in close collaboration with Fabrizio. He would probably come to GSI for fine-tuning of the system and to give a talk between 11th to 13th of february.

3. xrootd interface (Anna)

The underlying software necessary for the development is working after detailed investigation. Anna hopes to get the interface working until the visit of Fabrizio.

4. Speed tests (Misha)

Preliminary results have been posted to the forum. Result: A performance improvement of a factor of two by pre-staging small files to memory before analyzing. Further investigation will be done.

Users' support
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0. Maintance of Alice software - AliEn, Root, AliRoot

Latest versions of the ALICE software stack have been deployed on all platforms. Detailed documentation will be published in the computing section of the ALICE Wiki by Kilian.

http://alice-wiki.gsi.de/cgi-bin/view/Computing

Silvia asked for a second contact person for software maintenance to gain a faster reaction on updates.

1. GRID analysis jobs (Ana, Kilian)

Kilian created two working examples which he will make public at the ALICE Wiki.

2. Organization of the information to go on the wiki page (Jacek)
e.g. recipe for user request of data mirroring

Jacek gave short overview of the Wiki. Everybody is welcome to register and to contribute. The general structure of documenting in the Wiki will be discussed on demand in future meetings.
