

NuComp meeting for November 17, 2010

Participants

David Jaffe, Brett Viren, Dave Saranen, Eric Church, Joe Boyd, Tom Junk, Rick Snider, Robert Hatcher, Andrew Norman, Stu Fuess, Marc Mengel, Dennis Box, Adam Lyon, Margaret Votova, Steve Wolbers, Rob Kutschke, Gabriele Garzoglio, Marko slyz, Art Kreymer, Lee Lueking, Eileen Berman

Agenda

<http://indico.fnal.gov/conferenceDisplay.py?confId=3708>

Notes

News

The new 200TB of BlueArc disk has arrived and is installed. We looked at the requests made in May by each experiment for FY11 and most agreed they had not changed. Eric Church wanted to go over the MicroBooNE request with Brian Rebel. Lee has talked with Chris Polly and g-2 will not need the 20TB they had requested, but plan to use the 2TB already assigned to them. Art says MINOS would like to first use some disk to replace the current NEX-SAN disk, then add their new request of 30 TB.

GPCF general Condor Pool

Dennis reports that the GPCF Condor pool is functioning and some users have been trying it. See his talk for additional details and links to the monitoring.

GRID Data management and migration

Art discussed two documents that are being written to describe the requirements for GRID data management and migration. These are available at https://cd-docdb.fnal.gov:440/cgi-bin/RetrieveFile?docid=4082&version=10&filename=Data_handling_requirements_for_IF.pdf

and https://cd-docdb.fnal.gov:440/cgi-bin/RetrieveFile?docid=4082&version=10&filename=IF_Data_Management.pdf

Art has included service level information (24/7, 8/7, etc.) in the second document, and there was significant discussion about this during the meeting. We need to look at the SLA's for the groups supporting each service in question and understand inconsistencies.

GRID conditions data delivery

Lee presented requirements being discussed for GRID conditions data access and delivery. The focus is on a scalable approach that makes the information available to hundreds of simultaneous clients

running on GRID resources, at any GRID site. Brett Verin (BNL) mentioned that he likes the way Daya Bay has done this, and they are using GAUDI and the DBI also used by MINOS. This may be interesting for us to look at and we will follow up on this.

In the short term the experiments in NuComp are using different approaches for this and REX is learning about these and trying to help make them work better when possible. In the long-term, through NuComp, we are working for common solutions including delivery services and monitoring. The ART (CMS-lite) frame work was mentioned and someone (Eric I think) asked if anyone was using databases w/ ART. Rob said that Mu2e was not at the point of needing databases for conditions, but would in a few months.

Report on GRID Job Submission planning

Rick reported on the plans and priorities for the GRID job submission work going on. See his talk for a summary of the requirements and the work that is ongoing and planned for the next couple months.