

NuComp Meeting for Wednesday Feb. 16, 2011

Participants

Robert Hatcher, Art Kreymer, Gabriele Garzoglio, Steve Timm, Marko Slyz, Gene Olynik, Jason Allen, Dennis Box, Andrew Norman, Dave Schmitz, Heidi Schellman, David Jaffe, Mayly Sanchez, Steve Wolbers, Ed Simmonds, Eileen Berman, Stephan Lamel, John Urish, Robert Illingworth, Stu Fuess, Keith Chadwick, Margaret Votova, Adam Lyon, Lee Lueking

Agenda

1. News,
2. grid areas,
3. beam team,
4. grid tools update

Notes

On the News talk, the nova disk summary was missing for /data/nova, the stats are /nova/data
Total:25T Used:11T Available:15T %used:41% . On the March maint. Day (3/17) the Nova and Argoneut storage will move to a new physical location. After this the Nova allocation can be increased. Minerva was given an additional 20 TB on Jan 27, bringing their current allocation to 55 TB. They still have 15 TB to be added this year.

There was discussion about what was planned for the Feb. 17 maint day, Jason was planning to do all reboots. (After the meeting we agreed to wait on the reboots till next month since the kernels were still within security requirements.) There will be a lot of machines being moved and rebooted on the GP cluster. Steve suggests that all users should subscribe to fermigrid-announce@fnal.gov list, Lee will look at user list and confirm that they are all on this mailing list. Dennis is upgrading gpsn01 to use the latest GlideinWMS software. The next maint day is March 17 and there will be several major operations then, IFORA Oracle upgrades, IF/GPCF/MINOS/MB reboots, and Nova argoneut BlueArc migration.

There is an OSG All Hands meeting in Boston the 2nd week of March and Steve T. needs some material from NuComp. Major results produced on the grid are requested, a significant plot or two. Dave S. says that Minerva is working on their first results right now for a conference that same week, but do not have anything for the OSG talk. Art K. says that MINOS has plots on their web site, and all processing is done on the FermiGrid. Lee will check with Miniboone.

The next NuComp meeting is scheduled for Wed. March 16.

Steve T. Discussed the use of the /grid/* central disk areas (see slides). For the /grid/fermiapp areas experiments are given 30GB by default and many have as much as 100GB. This area is completely backed up. Dave S. discussed how Minerva used this area and the need to clean up some old releases.

Andrew showed brief summary of his plans for establishing and proceeding with the Beam Info Group. He has an almost complete list of experiment reps, anyone else wanting to participate should let him and Lee know. He plans to schedule the first meeting next week.

For Grid Tools, Marc M. had prepared a summary of the conditions DB app., called NuConDB and a message passing app. He is preparing called NuMsg. Lee presented as Marc was unable to attend (new member in the family), see his slides for more details. Rick presented an update of the Job submission work. There is a functioning release that Dennis has been working on. See Rick's talk for their schedule and priorities for the coming weeks.

Adam said a few words about the Grid monitoring. There are 2 types of monitoring on which work is being done. First, for the monitoring environment from CDF CAF, they need to redo where the logs are written and redo the DAG stuff. Secondly, the active monitoring as was described in the NuMsg part of Marc's talk. Art said a few words about the data storage and management area. There is work going on for nova to move to the production SAM database. Data throughput performance studies are going on for Lustre and Hadoop.

Finally, in other items, Jason A. reported that FEF is making some progress resolving the performance issues on the GPVM's. However, it is still not very good and they have finally been assigned an oracle engineer to look at this problem.

If I missed anything, let me know.

Lee