



OSG Needs from CMS

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April 26, 2006



Issues Left over from Dec.

Most items are being addressed or are finished

- ➡ Interoperability requires vigilance but is going OK
- ➡ Opportunistic computing is starting up
- ➡ CMS specific SAM tests are showing positive results

Transition of storage element to SRMV2.2 is still a source of concern

- ➡ We are not planning on the new end points for the summer challenge activities
 - We'll need to redo stress tests in the fall

Tier-2 accounting is coming up nicely

- ➡ CMS is taking a much more active role in the discussion about how efficiently we are using our resources.



New Items

US-CMS has had a very positive experience regarding the use of glide-ins for job submission

- ➡ We will implement a job robot to drive the scale of submission
 - For the robot we don't need to worry about the authentication issues since the factory user and the operator are probably going to be the same
- ➡ In the future the glexec tool may be required at some sites
 - Current implementation relies centrally on GUMS
 - Not clear how to support the EGEE sites



CE Scaling

At FNAL we had our first EGEE CE fail under excessive load this winter

- ➡ There are currently 2 EGEE CEs
 - The resource broker makes this largely transparent to the users
 - Not as transparent with direct submission

It would be good to understand when we expect the OSG CEs to stop scaling and what to do

- ➡ CMS has a global factor of 4 in number of jobs per day to achieve



Priority and Authorization

We have two recurring issues in the realm of priority and authorization

➡ Storage

- With GUMS we have consistent reproducible mappings for storage.
 - Important because most of the authorization is unix id based
 - For CMS all the sites with storage in the US have GUMS

➡ Processing

- We're struggling a little with the fact the batch system prioritize on UID
 - Currently everything associated with the same type of activity is mapped consistently
 - Two people doing the same activity are indistinguishable to the batch system
 - We can either increase the granularity we ask the sites to enforce for priority, which is not ideal
 - We can solve the issue with glide-ins and a central task queue
 - Or we could have the batch system certificate aware.