



Report from the Job Priority WG

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Credits

- JRA1: S. Andreozzi, GL. Rubini, S. Monforte,
- Sites: J. Templon, S. Burke
- ATLAS & CMS: S. Belforte, A. Sciaba, D. Liko
- LHCb & Diligent
- Other interested parties
 - A document is close being developed and we have hopes to finish is this week
- Last minute news: It seems finished. Some editing has still to be done



Overview

- Requirements
- Proposal
- Alternate Proposal
- Summary



Requirements

- ATLAS & CMS have expressed clear requirements
- Few groups
- In an initial phase priorities can be changed manually
- In general the feeling was expressed that they would like to have a simple schema now
- In the future more complex scenarios



Example

- ATLAS: Four shares
 - Production jobs
 - Long short jobs
 - Short jobs
 - Special jobs according to local considerations
- Our rationale
 - Analysis in parallel to production
 - Production cannot be pushed from a site
- CMS has slightly different considerations
 - Few physics groups



Proposal

1. VOMS groups to shares in the batch system
2. Two queues (long/short) for ATLAS & CMS
 - First tests can be performed
3. Publish info on the share in the VOView
4. Patch the WMS to be aware of this information
 - WMS can be used to send jobs
5. Dynamic settings
 - First by email, later by GPBOX



Status

- This schema was discussed in the WG and agreed
 - The experiments have expressed support
- The first 3 points have been archived in principle
 - No new middleware – just a configuration issue
 - Batch system related aspects need to be tested on real sites.
 - Other aspects should be tested in the PPS
- The next point requires a modification of the WMS
 - To my understanding its already done
 - We have to understand the status



Alternate Proposal

- Discussions also outside the WG
 - ATLAS EGEE/LCG Taskforce etc.
- Evidently we all are aware on the ongoing development of the GPBOX
- Also everybody agrees that we will need in the future a tool as GPBOX to provide more dynamic settings
- Installation in CNAF
- Main difference
 - A concept of Service Classes
 - GPBOX is used to map a VOMS attribute to a service clas



Decision

- Proposal has been presented to the TCG and the WLCG Management Board
 - Approved the first proposal
- Suggestion is to implement it first on the preproduction service
- Some tests require large systems: Continue our activity also in the production sites



Other Aspects

- We have to progress also with accounting
 - Priorities without accounting are not so meaningful
- This presented model is a first step not the solution
 - The two experiments have more complex requirements
 - Experiments should evaluate if and how the proposed “Olympic” model fits their need



Plans

- We have already test sites in NIKHEF and CNAF
- We have started discussion with PPS sites
 - I have discussed in particular with Taiwan and Valencia, but that's just by chance
- We have started a Wiki page to discuss these tests
- We will run regular meetings with the sites to proceed.