



Report from the Job Priority WG

Dietrich Liko



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



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 UNIX GIDs
2. Unix GIDs to Maui shares
3. Two queues (long/short) for ATLAS & CMS
 - First tests can be performed
4. Publish info on the share in the VOView
5. Patch the WMS to be aware of this information
 - WMS can be used to send jobs
6. 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- The first 4 points have been archived in principle
 - No new middleware – just a configuration issue
 - No sense to test it on the PPS, main aspect is the batch system configuration. So the best place is the production system
- The next point requires a modification of the WMS
 - Patch exists in principle (on disk)



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 a tool as GPBOX to provide more dynamic settings



Status

- Installation in CNAF
- Main difference
 - A concept of Service Classes
 - GPBOX is used to map a VOMS attribute to a service class
- Proposal for common steps
 - Three service classes
 - Gold, Silver, Bronze
 - In the beginning static mapping between the predefined shares



Discussion

- Not yet sufficiently discussed in the WG
 - Its already clear now that not everybody is convinced
 - There was also not sufficient discussion inside the experiment
- Original proposal adds functionality to the grid now
 - In ATLAS we need it urgently!
 - Initially adding elements of the GPBOX does not add new features
 - Large scale testing of RB + GPBOX
 - Not a bad thing by itself!
- In the end it's a question of priorities in JRA1
 - There is the fear that we will not get a WMS that's aware of the VOMS groups



Conclusion

- Clear points
 - Start to configure production sites along the proposed procedure
 - Get the WMS patch for VOMS FAQN awareness into deployment
- Open points
 - Agree on a clear strategy on how to proceed with the GPBOX
 - There should be also input from JRA1 & SA3