

Computational Resource Allocation Group (CRAG)

MEETING MINUTES

21st May 2010

In Attendance: John Brodholt (Chair), Clare Gryce (acting Secretary), Thomas Jones, William Hay, Nik Kaltsoyannis, Andrew Martin, Ben Waugh, Bruno Silva

Apologies: Eric Fraga, Ian Eames

1. Approval of Minutes of last meeting and Matters Arising

The minutes of the March 2010 meeting, which had been previously distributed, were approved by the group.

2. Review list of actions

The list of actions from the last meeting was reviewed and the list updated (see Table below).

3. Review of current Legion resource allocation policy

A number of statistics were presented by the Information Systems team, demonstrating that the current 'fairshare' based policy is working as intended.

The group discussed and agreed a number of actions to take to improve the wait times currently being experienced by some parallel jobs:

- Change to hierarchical fairshare handling
- Addition of 'superqueue' to enable parallel jobs to span CU's
- Adapt config setting to increase rate of priority accrued by waiting jobs

It was noted that in general the Legion service is oversubscribed, and that a project to expand the service ('Legion Phase 2') would follow as quickly as possible after the current Legion Upgrade project.

4. AOB and date of next meeting – ALL

There was no other business. Next meeting scheduled for 18th June.

*Clare Gryce
Research Computing
Information Services Division
14th June2010*

LIST OF CURRENT ACTIONS

Shaded (closed/completed) items will be deleted in the next version

	Actions	Status	Owner
10	HEP and RC to decouple the running of the middleware from Legion and run this from HEP Central.	In progress (see new Action 38)	CG/BW
10a	MoU between CRAG/RC and HEP to be agreed.	Pending	CG/BW
18	MoU between CRAG/RC and Miracle project to be agreed on confirmation of funding.	In progress	CG
30	Web information about list of applications available on Legion to be updated, to include applications waiting to be installed, and any items that have been 'prohibited'.	In progress	CG
31d	Monthly Condor usage statistics should be provided.	Pending	CG
33c	RAM usage by jobs on the Unity Altix 4700 to be monitored and reported to CRAG each month.	Pending	CG
35	Monthly data showing a histogram of number of users vs % use of machine, to be provided.	Pending	CG
37	More detailed information be provided to users regarding actions they may take in response to wait times experienced	Pending	CG
39	Daniel Hulme to be advised to join Mathematics Consortium; CRAG to facilitate.	Pending	JAY
40	Online Applications information – for	Pending	

	those apps which are not centrally supported, information to be provided about which groups are running them, to enable knowledge transfer		
41	Requests for additional resources – form to be provided as per agenda item 3 (19/3/2001)	Done	CG
42	Implement changes to job handling agreed at May meeting		CG