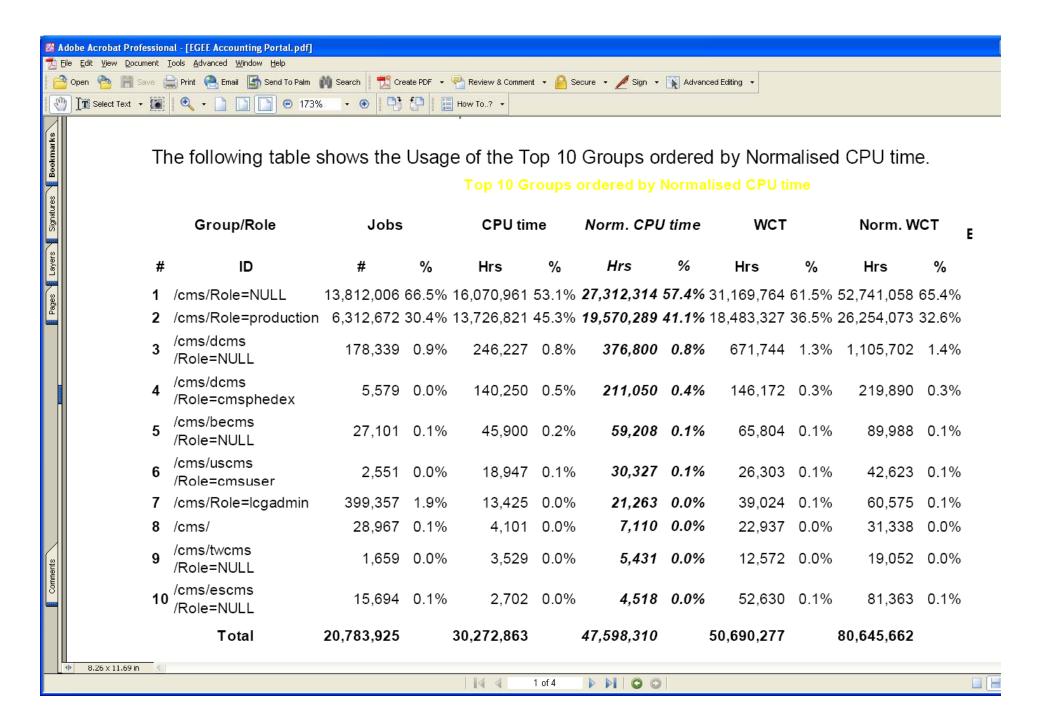# Status of User Accounting

John Gordon
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User Accounting

- Technical Status
- Policy Status
- Deployment Status
- What Now?

Technical Status

- The APEL client has had the ability for some time to collect and publish UserDN and FQAN information.
  - UserDN information is encrypted when published to the central APEL respository
  - Publishing is set off by default
- OSG and DGAS (and probably NGDF) collect FQAN and UserDN
  - Technically they could publish summaries to the central APEL repository.
  - This has been tested with DGAS when they were using RGMA to publish.
- Documentation on configuring publication is available
  - http://goc.grid.sinica.edu.tw/gocwiki/ApelFaq#head-69f1753f985897a37902df00734f2480220250b0
- CESGA Portal allows people to see information according to their status
  - User can see own jobs, site admin see site's, VO Member sees roles/groups for VO, VO Resource Manager sees UserDN
  - https://www2.egee.cesga.es/gridsite/accounting/CESGA/dev/user/vomem_view.html

The following table shows the Usage of the Top 10 Groups ordered by Normalised CPU time.

Top 10 Groups ordered by Normalised CPU time

#	ID	Jobs #	Jobs %	CPU time Hrs	CPU time %	Norm. CPU time Hrs	Norm. CPU time %	WCT Hrs	WCT %	Norm. WCT Hrs	Norm. WCT %
1	/cms/Role=NULL	13,812,006	66.5%	16,070,961	53.1%	27,312,314	57.4%	31,169,764	61.5%	52,741,058	65.4%
2	/cms/Role=production	6,312,672	30.4%	13,726,821	45.3%	19,570,289	41.1%	18,483,327	36.5%	26,254,073	32.6%
3	/cms/dcms /Role=NULL	178,339	0.9%	246,227	0.8%	376,800	0.8%	671,744	1.3%	1,105,702	1.4%
4	/cms/dcms /Role=cmsphedex	5,579	0.0%	140,250	0.5%	211,050	0.4%	146,172	0.3%	219,890	0.3%
5	/cms/becms /Role=NULL	27,101	0.1%	45,900	0.2%	59,208	0.1%	65,804	0.1%	89,988	0.1%
6	/cms/uscms /Role=cmsuser	2,551	0.0%	18,947	0.1%	30,327	0.1%	26,303	0.1%	42,623	0.1%
7	/cms/Role=lcgadmin	399,357	1.9%	13,425	0.0%	21,263	0.0%	39,024	0.1%	60,575	0.1%
8	/cms/	28,967	0.1%	4,101	0.0%	7,110	0.0%	22,937	0.0%	31,338	0.0%
9	/cms/twcms /Role=NULL	1,659	0.0%	3,529	0.0%	5,431	0.0%	12,572	0.0%	19,052	0.0%
10	/cms/escms /Role=NULL	15,694	0.1%	2,702	0.0%	4,518	0.0%	52,630	0.1%	81,363	0.1%
	Total	20,783,925		30,272,863		47,598,310		50,690,277		80,645,662	

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Policy Status

- Updated draft distributed on 12 Feb, presented to GDB on 11th March

- Grid Policy on the Handling of User-Level Job Accounting Data

- V0.7, 23 Jan 2009

http://www.jspg.org/wiki/Grid_Policy_on_the_Handling_of_User-Level_Job_Accounting_Data

- Request for comment from GDB. Will be tidied up and presented to MB for approval soon.

- Believed to be ready for approval

Deployment Status

- 234 sites publishing data into APEL Central Repository
- 197 (84%) publishing FQAN
- 47 (20%) publishing UserDN
- Despite MB request for sites supporting ATLAS to publish to allow their evaluation

Sites publishing UserDN in 2009

```
| ExecutingSite      |              | IFIC-LCG2         |
+--------------------+              | IFJ-PAN-BG        |
| BIFI               |              | ITEP              |
| CESGA-EGEE         |              | JINR-LCG2         |
| CIEMAT-LCG2        |              | JP-KEK-CRC-01     |
| DESY-HH            |              | Kharkov-KIPT-LCG2 |
| DI-UMinho          |              | KR-KISTI-GCRT-01  |
| e-ca-iaa           |              | KR-KISTI-HEP      |
| ESA-ESAC           |              | LCG_KNU           |
| ESA-ESRIN          |              | LIP-Coimbra       |
| FZK-LCG2           |              | LIP-Lisbon        |
| GR-01-AUTH         |              | PDC               |
| GR-04-FORTH-ICS    |              | pic               |
| GR-06-IASA         |              | PSNC              |
| GR-07-UOI-HEPLAB   |              | RUG-CIT           |
| HG-01-GRNET        |              | Taiwan-IPAS-LCG2  |
| HG-02-IASA         |              | TOKYO-LCG2        |
| HG-03-AUTH         |              | UAM-LCG2          |
| HG-04-CTI-CEID     |              | UB-LCG2           |
| HG-05-FORTH        |              | UMinho-CP         |
| HG-06-EKT          |              | UNICAN            |
| IEETA              |              | UOGRID            |
| ifae               |              | UPorto            |
| IFCA-LCG2          |              | USC-LCG2          |
                                    | VGTU-gLite        |
                                    +--------------------+
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What Now?

- Policy is mature enough. Speak up if a country is not happy.

- Sites supporting WLCG should be 'encouraged' to switch on publishing of UserDN

- Portal should be evaluated to see if people are happy with the functionality