

**Some Preliminaries: -**

- There are two accounting databases: A "global" database at the GOC (which holds data from many sites), and the local database on your site RGMA Mon node (which holds data specific to your site).
- By default, the accounting records at your site are "complete" in the sense that they contain **dn** information. At the GOC database this bit suppressed because of data privacy laws.  
⇒ **Therefore you should backup the accounting database especially when upgrading/fresh installing your nodes.**
- There are two types of "queries" to get accounting information: those that use an rgma client which query the GOC database, and those which use mysql to query the local database.
- The latest version of Apel (PBS) is 3.4.45 which is available here: -  
<http://goc.grid-support.ac.uk/gridsite/accounting/index.html>

**When was the last time my site published accounting data to the GOC?**

1. LOGIN to your local site RGMA-MON node
2. Using the RGMA client, query the GOC accounting database. The query is "RGMA mangled SQL" which selects data from the latest producer table for RAL-LCG.

```
/opt/edg/bin/edg-rgma -c "latest select Max(MeasurementDate), count(*), LCGUserVO from LcgRecords where ExecutingSite='RALPP-LCG' group by LcgUserVO"
```

Max(MeasurementDate)	count(*)	LCGUserVO
2005-02-10	4	alice
2005-05-10	1854	atlas
2005-05-10	501	babar
2005-01-27	3	cms
2005-05-10	14020	dteam
2005-04-18	462	dzero
2005-01-27	12	hone
2005-05-10	2278	lhcb
2005-03-04	3270	zeus

Most of the data has yesterdays time stamp, meaning that Apel has sent data to the GOC in the last 24 hours from RALPP-LCG

**When was the last time my site built accounting records?**

1. LOGIN to your local site RGMA-MON node
  2. Connect to the mysql database
- ```
mysql -u USER -p ACCOUNTING_DATABASE_NAME  
>enter password
```

```
mysql> select Max(MeasurementDate),count(*),LCGUserVO from LcgRecords  
group by LcgUserVO;
```

| Max(MeasurementDate) | count(*) | LCGUserVO |
|----------------------|----------|-----------|
| 2005-02-10           | 4        | alice     |
| 2005-05-10           | 1854     | atlas     |
| 2005-05-10           | 501      | babar     |
| 2005-01-27           | 3        | cms       |
| 2005-05-10           | 14020    | dteam     |
| 2005-04-18           | 462      | dzero     |
| 2005-01-27           | 12       | hone      |
| 2005-05-10           | 2278     | lhcb      |
| 2005-03-04           | 3270     | zeus      |

Here you can see that the local site copy and the remote copy are identical.

**Useful URLs**

A page intended to gather gridpp requirements and feed them into the reporting system.

[http://goc.grid-support.ac.uk/gridsite/accounting/tree/gridpp\\_view.php](http://goc.grid-support.ac.uk/gridsite/accounting/tree/gridpp_view.php)