

# Accounting and Interoperability with OSG and XSEDE

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e-infrastructure

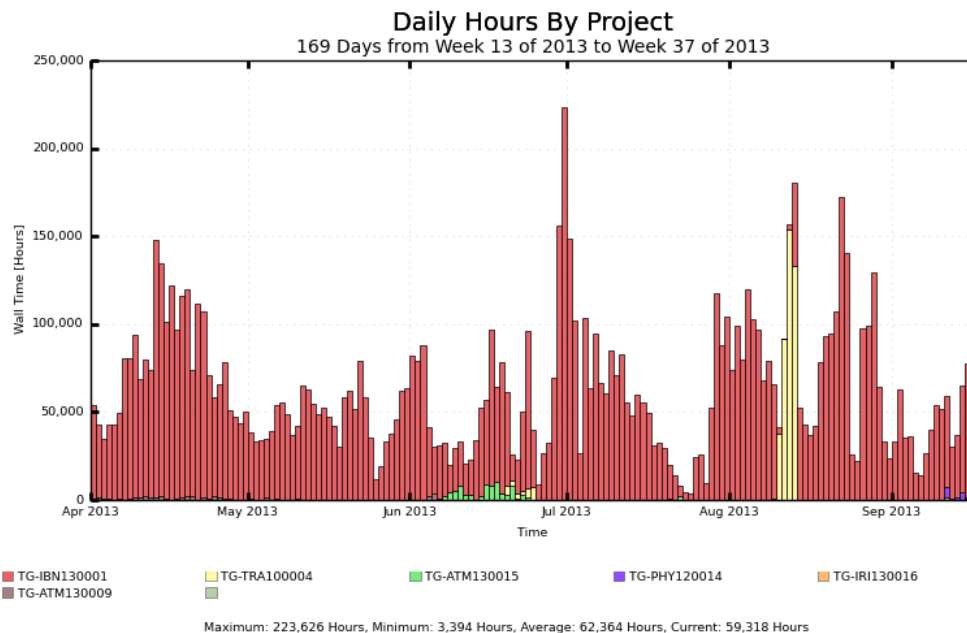


- EGI Accounting
- OSG Accounting
- .... and XSEDE?

- The APEL Central Accounting Repository has been in production service since 2004.
- It holds cpu data for  $2.5 \times 10^{**9}$  jobs dating back to 2004
- It holds data on EGI VOs and is also the worldwide repository for LHC jobs, taking data from OSG, NorduGrid, Asia-Pacific, Latin America, (and soon Africa).

- OSG accounts usage in their Gratia system.
- Gratia has centrally filtered data for 3 LHC VOs and forwarded to the production APEL for many years
  1. Extract summary data from Gratia database
  2. Transform into APEL schema
  3. Publish to APEL
  4. Integrated with rest of LHC data
- Originally published by database insert; last year changed to use SSM1 messaging, Plan to migrate to SSM2
- Extending the list of VOs beyond LHC to include other EGI VOs who also use OSG (eg wenmr)
  - In theory we can send data to OSG for use of EGI resources by OSG VOs. The publishing software SSM can run as publisher or consumer.

- XSEDE VOs run work on OSG resources
  - Accounted by Gratia and report produced
  - 17 projects this year.
  - Project metadata pulled from xd



- If XSEDE projects have registered themselves on EGI then APEL will already be collecting their accounting for use of EGI resources. Could easily report.
- If EGI users have an XSEDE allocation for their projects, EGI would like to gather all their usage in one place. Publish like OSG?
- OSG and EGI both account on HEPSPEC06. Would need to find an exchange rate between HPL and HS06.

- OSG already collect storage data. Plan to send to us for LHC.
- Discussed publishing Cloud Records.
- View APEL data <http://accounting.egi.eu>
- Wiki <https://wiki.egi.eu/wiki/APEL>