



# OSG Reporting of Installed Capacity and Resource Provision

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# Requirements – From I. Bird reported to GDB in 2008

## ■ The goal

- Provide the management with information about installed capacity (per VO).
- Provide the experiments with information about resource usage (per VO).



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# OSG Deployment Timeline

Date	OSG Deliverable	Status
February 15 '09	Complete development of GIP release and configuration scripts to meet needs for Site Reporting of Dynamic usage information.	Done. One patch identified as needed.
February 23- March 10	Evaluation of mechanisms for monthly reporting of Installed Capacity from management to WLCG management reports.	Discussion with US LHC management, GOC, EGEE, for publishing of static reports from GOC to WLCG office (APEL). Decision on Mar 10 <sup>th</sup> .
March 15 '09	OSG release with needed GIP and Configuration scripts	In test on Integration Testbed now.
March through May	Deployment on US LHC sites. Will depend on US LHC Tier-2 coordinators to encourage sites to upgrade.	
May 1 '09	Finish development of publishing and validation scripts for OSG and WLCG reports.	Downloaded GIP validation scripts from EGEE. Starting to install/look at these now.
July 1 '09	Dissemination and validation of published reports.	



# Plans in Progress

- Discussions between OSG, US ATLAS, US CMS management. Plan to socialize this plan with the agencies over next month.
- Report monthly installed capacity/resources and dynamic information for the VO through 2 separate paths.
  - Note: All US Tier-1 and Tier-2s are single VO. No issues of transfer of availability between VOs.
- Working on contributions to the “WLCG Installed Capacity Deployment Plan”
  - Burt writing “OSG configuration and installation” (today or tomorrow)
  - Brian working on table with attributes for OSG software tools group (draft distributed)

All working on more detailed internal OSG documents and will move relevant information into WLCG document.



# Monthly Installed Capacity Reporting

- WLCG working group/GOC/EGEE monitoring to evaluate technical impact of direct publishing
  - information input directly (and thus vetted by definition) by the US LHC management.
  - “text based” information to APEL for WLCG management ?
  - Averages calculated on OSG side ?



# Dynamic Information

- This information is for the VOs (ie not for the WLCG management reporting)
- US CMS Tier-2 sites have correct computing data and ~50% have correct storage data. Additions in progress.
- US ATLAS working on making the information correct on OSG. Karthik to have an "inventory" done this week of what we have and what we don't.
  - It is currently US ATLAS policy not to publish resource discovery information to WLCG. We may publish ATLAS sites to WLCG, but only for a the usage attributes (ie not for resource discovery).
- US ATLAS and US CMS s&c management talking to ATLAS and CMS management about whether this information is already available in the VO services/databases. If so, is this information additionally needed from the Grid layer (GIP/BDII)?

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