

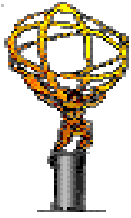
BDII Turn-down and APF Auto-config

ATLAS Sites Jamboree, CERN

18 - 20 January, 2017

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Outline

- Evolution of OSG and USATLAS Information Services
- Automation of APF Configuration from AGIS

(Slides content from John Hover and Brian Bockelman)



OSG and USATLAS

Information Services Evolution

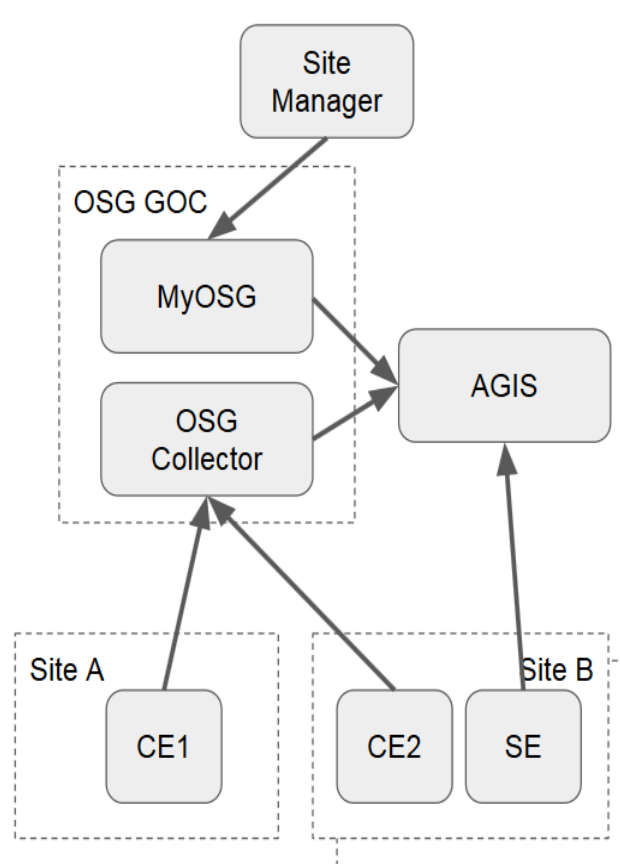
➤ Nearing a significant milestone - the shutdown of the OSG BDII on 03-31-2017

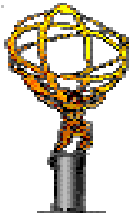
➤ OSG information services

- MyOSG : static site information (site registration, topology etc)
- **BDII → OSG Collector** : dynamic information coming from HTCondor-CE. Implemented using a condor_collector plus a small web service

➤ Space reporting goes directly from SE to AGIS

- US is actively working to implement the JSON-based reporting, avoiding usage of SRM (bestman2 losing support at the end of 2017)

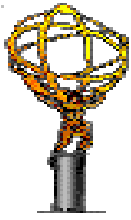




OSG and USATLAS

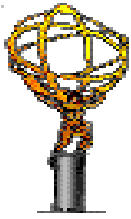
Information Services Evolution

- Remaining dependencies on OSG BDII ?
 - Uploading CPU numbers to WLCG REBUS
 - Logical CPU, physical CPU (osg-configure file)
 - OK for CMS not to report these numbers, as they are not really used in WLCG reports (agreed with WLCG).
 - Important information for WLCG reporting is HS06 number, which is available from MyOSG
 - **OK with ATLAS not to report logical/physical CPU numbers too ?**



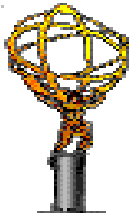
Automation of APF Configuration from AGIS

- Information APF wanted from AGIS
 - **remote_queue** names from USATLAS sites
- Information path: CE => OSG Collector => AGIS => APF
- Information path is tested successfully at BNL
 - CE probe code to publish to Collector since January OSG release, currently working at BNL publishing to OSG (ITB) Collector
 - AGIS is currently importing information from the Collector
 - APF AGIS Auto-configuration coding is done and works with HTCondor-CE



Automation of APF Configuration from AGIS

- Ongoing Work (for OSG 3.3.21?)
 - Straighten out OSG CE config code to clarify for admins.
 - Add additional attributes for APF (corecount, maxmemory, vo_type ...)
- USATLAS sites are recommended to upgrade to the current OSG release (3.3.20), not wait for the new changes to land in future releases.



Questions ?

