

Atlas Report 13.01.2015

- Rucio:
 - Deletion requests from LOCALGROUPDISK
 - LOCALGROUPDISK replicas can be removed only by their owners
 - the proper policy is to allow management of the LOCALGROUPDISK
 - to users with production role within given voms group (per country)
 - Will be addressed in the next release of Rucio, so far managers are asked to create JIRA ticket in ATLDDMOPS project
- Production:
 - Problems
 - Tasks were staying in “registered” state and not proceed. Fixed now.
 - Several datasets in container
 - Will be fixed soon - it is a high priority (few high stats requests waiting)
 - PRODSYS-327: For large (more than 10M simulation chains) we are hitting the limit of the 100k files. Atlas is working on splitting
 - Dealing with very large numbers of slices e.g. pMSSM request with 1000s of datasets
 - Change of the randomSeed stil, we are getting "Failures from "randomSeed='". Work is in progress
- ADCSUPPORT-4107

Atlas Site Availability Performance ASAP

- *ATLAS Site Availability Performance (ASAP)*
 - There are metrics to measure the analysis usability
 - Reliable metric to test the full site functionality
 - instructions for sites
<https://twiki.cern.ch/twiki/bin/viewauth/AtlasComputing/ATLASSiteCategorization>
 - There is a possibility to re-compute in case of special issue
 - data are recorded last few months <http://cern.ch/go/N8xD>
- *T2 categorization proposal*
 - Presented at ICB:
<https://indico.cern.ch/event/301690/> and <https://indico.cern.ch/event/330737/>
 - Sites below 80% of *ASAP* over the past 3 months are not effective for ATLAS
 - ICB should contact the Funding agency to investigate the issues and understand the possible actions foreseen to improve the situation
 - If the situation persists for other 3 months:
 - Remove the capacity (CPU and Storage) provided by that site from ATLAS available disk space: site will never be able to match the 95% MoU yearly average availability
 - Disable the storage from data distribution: ATLAS will use the site as a Tier3
 - If the situation persists for one full year ICB should consider to recommend WLCG to reconsider the MoU
- *Plan*
 - Atlas plans to start categorizing the sites from the 1st of January 2015
 - Underperforming sites will be reported to ICB in April

Site Availability/Reliability/Usability (from Jamboree)

- Availability and Reliability
 - WLCG Availability and Reliability are measured through the SAM tests in the ATLAS_Critical profile
 - job submission (now through Condor!)
 - put/get/del from storage
- ATLAS usability
 - The SAM tests are useful to spot problems at sites but not to test the ATLAS workflows in detail
 - Atlas has a reliable system (Analysis Functional Tests sent through HammerCloud) to show if a site is working and in case it is not automatically set it to test
 - Shifters notify sites in case problems in case errors was not spot by HC
 - Atlas ADC (and the users!) do care about the site status in Panda: **Online**, **Offline/BrokerOff/**
Test
 - *Atlas Site Performance Availability → ASAP*
- Availability – Usability
 - new SAM allows injection of metrics not only per service (like SRM or CE status), but also for site
 - Atlas plans to complement the present ATLASCritical SAM tests with the *ASAP* metric which is representative of the ATLAS usability of the site
 - ATM: focus for now on the status for analysis activity (can be easily extended to production)
 - No fear: nothing really dramatically new, basically a simplification of the ABCD categorization.

ASAP

- <http://wlcg-sam-atlas.cern.ch/templates/ember/>
- [https://wlcg-mon.cern.ch/dashboard/request.py/siteviewhistory?
columnid=782#time=custom&start_date=2015-01-01&end_date=2015-01-13&values=false&spline=false&debug=false&resamp](https://wlcg-mon.cern.ch/dashboard/request.py/siteviewhistory?columnid=782#time=custom&start_date=2015-01-01&end_date=2015-01-13&values=false&spline=false&debug=false&resamp)
- Steve wrote:
[https://www.gridpp.ac.uk/w/index.php?
title=ATLAS Site Availability and Performance \(ASAP\)](https://www.gridpp.ac.uk/w/index.php?title=ATLAS_Site_Availability_and_Performance_(ASAP))
- Warning are sent to atlas-support-cloud-uk@cern.ch



Status of ASAP

288 Hours from 2015-01-01 00:00 to 2015-01-13 00:00

