

Atlas report 13.05.2014

- Multicore resources
 - The requests for multi-core resources have been reduced in the past weeks and they are expected to be lowlow at least until May 23rd.
 - Multi-core will not be used for data reprocessing.
 - Sites are asked:
 - Leave multi-core queues as they are
 - If there is an static partitioning between serial and multi-core jobs, then reduce the multi-core partition but leave it working.
- Cleaning after Rucio renaming
 - All DISK DDM endpoints store data with the new deterministic naming convention
 - `.../rucio/<scope>/<filename>`
 - New data are written with this convention for more than one year
 - Old data were moved/renamed
 - The only exception is /SAM/ subdirectory
 - Files and directories not following this convention are out of DDM catalogs (dark data) and can be removed
 - Listing these directories via SRM takes very long so this cannot be done centrally for all sites (only smaller ones have been already cleaned)
 - Example
 - `srm://golias100.farm.particle.cz:8446/srm/managerv2?SFN=//dpm/farm.particle.cz/home/atlas/atlasscratchdisk /rucio/user/tkouba/6d/79/user.tkouba.prun1.1._2141672822.log.tgz`
 - Blue part is the Storage Element with the service string
 - Red part is the path used by ATLAS to store data
 - The SE + path is defined per DDM endpoint in AGIS
 - The black part is the actual file path in DDM endpoint
 - The content of the SE+path should be only /SAM and /rucio:
 - ```
$ lcg-ls -l srm://golias100.farm.particle.cz:8446/srm/managerv2?SFN=//dpm/farm.particle.cz/home/atlas/atlasscratchdisk
drwxrwxr-x 1 2 2 0 UNKNOWN /dpm/farm.particle.cz/home/atlas/atlasscratchdisk/SAM
drwxrwxr-x 1 2 2 0 UNKNOWN /dpm/farm.particle.cz/home/atlas/atlasscratchdisk/rucio
```
  - Steps for cloud support or site admin
    - List the active DDM endpoints for your site:
    - e.g.: [http://atlas-agis.cern.ch/agis/ddm\\_endpoint/table\\_view/?&state=ACTIVE&atlas\\_name=pragueicg2](http://atlas-agis.cern.ch/agis/ddm_endpoint/table_view/?&state=ACTIVE&atlas_name=pragueicg2)
  - The directory should contain only /SAM and /rucio subdirectories
  - If there are more subdirectories, check their size (recursively) e.g. with `dpns-du` for DPM
  - If the size is too big (several TBs), contact cloud support or DDM ops
  - If the size is not big, remove the subdirectory recursively
  - example of one directory to remove:
    - `srm://golias100.farm.particle.cz:8446/srm/managerv2?SFN=//dpm/farm.particle.cz/home/atlas/atlasscratchdisk/user/`