Daily Activity overview -- for WLCG (yesterday)

- Rucio: one job in Panda finished (by Friday night)!
- Reconstruction MCORE went to zero during the weekend: tasks were not launched, only half were submitted, now we have 250M submitted. From Alessandra commented that: the mixture of tasks submitted is needed to be improved.
- FTS at CERN was down during the weekend, now fixed.

From ADC weekly:

- New Condor SAM tests are active from 1st October 2014
- New tests will appear in nagios, aggregation and SUM visualization
    - SAM Nagios
    - SUM dashboard
    - They will not have any history
- Old WMS tests will be decommissioned
    - An ATLAS WMS profile will be there to keep the history of the tests prio to the switch
- ARC-CEs
    - ARC-CEs will now be included in the WLCG availability reports with the new tests.
    - As it was before the sites availability for the CEs will be the result of an OR over all the site CEs that ATLAS can use.
        - Whatever the CEs flavour

- Memory usage, site setting for 8-core digi+reco update
    - VMEM of the jobs is close to 40GB
    - RSS if calculated naively is 24GB (3GB/wn)
    - Actual usage <2GB/wn,
    - Total usage ~14 GB for a digit, 12 GB for a reco job
    - Recommendation for sites:
        - Allocate 16GB RSS for the 8-core pile job with these memory limits:
        - 40GB total VMEM, 5GB per process
        - 24GB total RSS, 3GB per process
        - With cgroups: set RSS memory to 2GB/core (16GB)
        - Or:
        - Reserve 16GB per 8-core job and do not enforce memory limits (killing)

- Note:
  - 16GB might be a bit too small (other processes, file caching) and jobs might swap
- There is no overview yet on memory usage of different tasks, some jobs might use more RSS than the others
- VMEM limits should be avoided

Atlas report from WLCG coordination meeting(on Thursday)

- DC14
  - digi+reco Run2 in 8-core mode will finish in about a week from now
  - some more simulation samples launched
  - further AOD2AOD on reprocessed data will be launched in one week (0.5PB)
- Multicore recommendations for 8-core reconstruction
  - Allocate 16GB physical memory per job
  - if limiting memory per process: 3GB RSS and/or 5GB VMEM
  - For cgroup-enabled sites: total RSS of the job should be 16GB
- Deployment of ATLAS MCORE queues
  - more than 70k cores were used this week for multicore jobs exclusively
  - after fixing initial memory issues, the digi+reco processing is progressing very fast, up to 50M events/daily - thanks to the sites for fast action
  - to all the sites, please continue the deployment of multicore queues
  - serial production tasks in the future will be limited
- SAM3 tests
  - all ARC-CE sites fixed the configuration and the ATLAS_CRITICAL tests are effective since 1.10.
- Rucio and Prodsys-2 commissioning ongoing, still no fixed date for deployment

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