

CentOS7 WN status

Alessandra Forti

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Recommended?

- Work on CentOS7 has progressed a lot during the past 2-3 months but several things are still not working or in transition.
- Moving the WNs to CentOS7 is **NOT** recommended.
- If you have to move because you don't have control over the resources **please don't setup the nodes without telling us.**



Middleware status

- OSG distributes CentOS7 middleware
- EGI not yet
 - If you have to upgrade, there are two recipes
 - TRIUMF recipe Adapts the SL6 setup
 - ECDF recipe Uses middleware clients in ATLAS cvmfs



At glance

OS	Analysis	Production
SL5	Not supported	Not supported
SL6	In progress	Waiting for simulation validation results
CentOS7	In progress	In progress

Site	Tier	Cloud	Analysis	Single core	Multi core
Australia-ATLAS	T2	CA	-	-	-
OSCER	T2	US	-	online	offline
TRIUMF-LCG2	T1	CA	-	test	test
UKI-SCOTGRID-ECDF	T2	UK	-	online	brokeroff



ATLAS SW Status

- SL5: ADCINFR-19
 - ALRB will fail SL5 release on a CentOS7 node.
 - Installation and validation will fail also
 - Last SL5 HC test has been removed
- SL6: ATLINFR-1102
 - Analysis: not validated, though HC now seem to compile and run. Queues are kept in test. **To be reviewed in September.**
 - Production: pre compiled executables work. Simulation is still being validated. Other applications (reco, evgen, derivation) have been tested and work.
- CentOS7: ATLINFR-1150
 - Work on native releases is ongoing



Other

- lcg_utils is obsoleted on CentOS7: [ADCINFR-15](#) [ADCINFR-16](#)
 - gfal_copy and xrdcp can be used in the PandaQueues cooptools settings instead but ATLAS is currently migrating to a new system which will make those settings obsolete.
 - gfal_copy may require fixing PYTHON_PATH.
 - xrdcp requires copytool, copyprefix and copyssetup to be checked/modified in AGIS.
- SLURM/HTCondor combination: [ADCINFR-11](#)
 - HTCondor batch contain # signs that SLURM will use in the job path. Some portions of the ATLAS code don't digest them well.
 - Under investigation



Information

- CentOS7 Readiness twiki
- Problems and tickets tracking: [ADCINFR-11](#)
- If you want to test as well
 - Alessandra.Forti@NOSPAMcern.ch
 - ball@NOSPAMumich.edu

