CentOS7 WN status

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ADC weekly
16 August 2016
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

<table>
<thead>
<tr>
<th>OS</th>
<th>Analysis</th>
<th>Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL5</td>
<td>Not supported</td>
<td>Not supported</td>
</tr>
<tr>
<td>SL6</td>
<td>In progress</td>
<td>Waiting for simulation validation results</td>
</tr>
<tr>
<td>CentOS7</td>
<td>In progress</td>
<td>In progress</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Site</th>
<th>Tier</th>
<th>Cloud</th>
<th>Analysis</th>
<th>Single core</th>
<th>Multi core</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia-ATLAS</td>
<td>T2</td>
<td>CA</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>OSCER</td>
<td>T2</td>
<td>US</td>
<td>-</td>
<td>online</td>
<td>offline</td>
</tr>
<tr>
<td>TRIUMF-LCG2</td>
<td>T1</td>
<td>CA</td>
<td>-</td>
<td>test</td>
<td>test</td>
</tr>
<tr>
<td>UKI-SCOTGRID-ECDF</td>
<td>T2</td>
<td>UK</td>
<td>-</td>
<td>online</td>
<td>brokeroff</td>
</tr>
</tbody>
</table>
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 coyptools 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 copysetup 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
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