



MUPJ - gLexec update

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CERN

v1.2



Site	/ops/Role=pilot job + glxexec test	Apr 4	Capability
ASGC	OK		OK
BNL	OK for ATLAS		OK
CERN	OK		OK
CNAF	OK		OK
FNAL	OK for CMS		OK
IN2P3	OK		OK
KIT	OK		OK
NDGF	n/a		n/a
NIKHEF	OK		OK
PIC	OK		OK
RAL	OK		OK
SARA	OK		OK
TRIUMF	LCG-CE OK, glxexec not found on CREAM WN		-



Nagios tests for “ops”

- Note the new host for these tests: samnag023.cern.ch
- LCG-CE
 - https://samnag023.cern.ch/nagios/cgi-bin/status.cgi?servicegroup=SERVICE_CE&style=detail
- CREAM
 - https://samnag023.cern.ch/nagios/cgi-bin/status.cgi?servicegroup=SERVICE_CREAM-CE&style=detail



Experiment activities (1/2)

- ATLAS
 - glxexec tests OK at various UK T2 (and BNL)
 - Testing CERN and T1 sites
 - Bug found in SCAS configuration at CERN (and elsewhere)
 - YAIM bug needs fix via post-configuration function
 - T1 with SCAS have been informed
 - Target proxies not accepted by PanDA server: no FQAN found!
 - GridSite version issue?
 - Workaround applied
- CMS
 - USCMS use glxexec in production at a few OSG sites
 - All USCMS sites have glxexec in setuid mode
 - Testing T1 (and T2) sites
 - GGUS tickets opened against various T1, some in progress



Experiment activities (2/2)

- LHCb running Nagios glexec tests as well
 - https://sam-lhcb.cern.ch/nagios/cgi-bin/status.cgi?servicegroup=SERVICE_CE&style=detail
 - CREAM not yet tested
- ALICE integrating glexec into AliEn
 - User proxy handling would require major development
 - ALICE user jobs do not need the proxy for anything!
 - All uploads and downloads are done by the pilot
 - It is undesirable for generic user proxies to be forwarded
 - AliEn security developer proposes signing the job instead
 - A signature is anyway desired for verification by the pilot itself
 - A custom LCMAPS plugin would be able to check the signature and establish the user identity



Next

- When CERN + T1 mostly OK, run special production workload?
 - Time scale?
- SAM-Nagios Update 10 has glexec tests in ROC profile
 - Tests will target CEs with glexec flag set in GOCDB
- TWiki page will be created for T2 sites
 - How to configure glexec on the WN
 - How to configure Argus
 - Where to check for test results
 - Trouble shooting tips
- Broadcast to T2 sites