



MUPJ - gLExec update

GDB, Sep 11, 2012

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CERN

v1.0



Nagios tests for “ops”

- As of early April tests are no longer submitted centrally
- Each NGI/ROC needs to submit its own tests
 - Register at least 1 DN with pilot role in “ops” VO
 - Configure SAM-Nagios to submit the tests
- Each EGI site supporting glexec needs to update the GOCDB
 - A “gLExec” flag for each CE supporting glexec on the WN
- Thanks to EGI for helping with these matters!
- Results are available in MyWLCG
 - <http://cern.ch/go/fgz8>
 - Currently only 94 CEs present, including all T1 with CREAM
 - Was 91 on July 11



gLExec deployment campaign

- Last broadcast sent to site admins on Feb 20
 - Again a few more sites claim glExec support in the BDII
 - 88 = 64 EGI + 24 OSG on Sep 11
 - Was 85 = 61 + 24 on July 11
 - Again while some sites now appear, others disappeared ...
 - Downtime?
 - Reconfiguration?
 - Some T2 consistently OK in MyWLCG, but most are absent
- <https://twiki.cern.ch/twiki/bin/view/LCG/GlExecDeployment>
 - Updated Sep 11
 - How to implement gLExec on the WN
 - Includes example script for Argus configuration
 - Provided by Antonio Delgado of CIEMAT → OK site in MyWLCG!



Site	/ops/Role=pilot job + glexec test	Sep 11	Capability
ASGC	OK		OK
BNL	Not yet set up		OK
CERN	OK		OK
CNAF	OK		OK
FNAL	OK for CMS		OK
IN2P3	OK		OK
KIT	Test results missing		OK
NDGF	n/a		n/a
NIKHEF	OK		OK
PIC	OK		OK
RAL	OK		OK
SARA	OK		OK
TRIUMF	OK		OK



Nagios tests for LHCb

Site	/lhcb/Role=pilot job + glexec test	Sep 11
CERN	OK	
CNAF	OK	
IN2P3	OK	
KIT	OK	
NIKHEF	OK	
PIC	OK	
RAL	OK	
SARA	OK	

[https://sam-lhcb-prod.cern.ch/nagios/cgi-bin/status.cgi?
servicegroup=SERVICE_CREAM-CE&style=detail](https://sam-lhcb-prod.cern.ch/nagios/cgi-bin/status.cgi?servicegroup=SERVICE_CREAM-CE&style=detail)



Test results for CMS

Site	/cms/Role=pilot job + glexec test	Sep 11
ASGC	OK on some WN, glexec not found on w-wn0630	
CERN	OK	
CNAF	OK	
FNAL	OK	
IN2P3	OK	
KIT	OK	
PIC	OK	
RAL	OK	

[https://sam-cms-prod.cern.ch/nagios/cgi-bin/status.cgi?
servicegroup=SERVICE_CREAM-CE&style=detail](https://sam-cms-prod.cern.ch/nagios/cgi-bin/status.cgi?servicegroup=SERVICE_CREAM-CE&style=detail)

[https://sam-cms-prod.cern.ch/nagios/cgi-bin/status.cgi?
servicegroup=SERVICE_OSG-CE&style=detail](https://sam-cms-prod.cern.ch/nagios/cgi-bin/status.cgi?servicegroup=SERVICE_OSG-CE&style=detail)



Test results for ATLAS

Site	/atlas/Role=pilot job + glxexec test Sep 11
ASGC	OK on some WN, error 203 on w-wn1025
BNL	Not yet set up
CERN	OK
CNAF	OK
IN2P3	OK
KIT	OK
NIKHEF	OK
PIC	OK
RAL	OK
SARA	OK
TRIUMF	OK

[https://sam-atlas-prod.cern.ch/nagios/cgi-bin/status.cgi?
servicegroup=SERVICE_CREAM-CE&style=detail](https://sam-atlas-prod.cern.ch/nagios/cgi-bin/status.cgi?servicegroup=SERVICE_CREAM-CE&style=detail)
[https://sam-atlas-prod.cern.ch/nagios/cgi-bin/status.cgi?
servicegroup=SERVICE_OSG-CE&style=detail](https://sam-atlas-prod.cern.ch/nagios/cgi-bin/status.cgi?servicegroup=SERVICE_OSG-CE&style=detail)



Experiment plans

- CMS
 - Opening tickets against sites where glxexec does not work
 - Enabling glxexec in GlideinWMS per site where it works
 - Using Argus preprod service for CERN GlideinWMS instance
- ATLAS
 - Investigating GlideinWMS back-end for PanDA
 - Running glxexec tests since May
 - CERN MyProxy server again supports VOMS attributes in authorization policies since July 3
- ALICE will look into implementing Security TEG proposal
 - Specially crafted proxies with critical extension that is only understood by glxexec
- LHCb will check if glxexec support in DIRAC needs adjustments