



# MUPJ - gLExec update

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# Nagios tests for “ops”

- 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
  - Thanks to EGI essentially done
- Each EGI site supporting glexec needs to update the GOCDB
  - A “gLExec” flag for each CE supporting glexec on the WN
  - A lot of sites and CEs still to be done
- EGI added alarm to operations profile in Dec (not yet A/R)
  - Automatic tickets for sites whose gLExec tests fail
- Results are available in MyWLCCG
  - <http://cern.ch/go/fgz8>
  - Currently only 104 CEs present, including all T1 with CREAM
    - Was 106 on Nov 13



# gLExec deployment campaign

- This time fewer sites claim glexec support in the BDII
  - 82 = 59 EGI + 23 OSG on Jan 14
    - Was 86 = 63 + 23 on Nov 13
  - As usual some sites now appear, others disappeared ...
    - Downtime?
    - Reconfiguration? More likely!
  - Some T2 consistently OK in MyWLCG, but most are absent
- <https://twiki.cern.ch/twiki/bin/view/LCG/GlexecDeployment>
  - Updated Jan 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 Jan 14	Capability
ASGC	OK	OK
BNL	AuthZ error or glexec not found by test job	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	OK	OK



# Nagios tests for LHCb

Site	/lhcb/Role=pilot job + glxec test	Jan 14
CERN	OK	
CNAF	OK	
IN2P3	OK	
KIT	OK	
NIKHEF	OK	
PIC	OK	
RAL	OK	
SARA	Error 203	

[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 <b>Jan 14</b>
ASGC	OK
CERN	OK
CNAF	OK
FNAL	OK
<b>IN2P3</b>	<b>Error 203</b>
<b>KIT</b>	<b>"No files found at /opt/glite/sbin/glexec" ???</b>
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 Jan 14
ASGC	AuthZ error
BNL	AuthZ error or glxexec not found by test job
CERN	OK
CNAF	OK
IN2P3	OK
KIT	OK
NIKHEF	OK
PIC	OK
RAL	OK
SARA	Error 203
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
- ATLAS
  - Investigating GlideinWMS back-end for PanDA
  - Investigating direct usage by pilot (work restarted at CERN)
- 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