



gLExec deployment update

WLCG Management Board, 15th Apr 2014

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IT/SDC





Deployment status for sites

<https://twiki.cern.ch/twiki/bin/view/LCG/GlexecDeploymentTracking>

- It shows the status of the gLExec tests per site per supported VO **on the given date**
 - Record of the situation at that time
 - The color **cyan** indicates a successful test
 - The service may have deteriorated since
 - Most instances only used for testing so far
- Click on the links in a VO's cell to see the latest results
- **95** tickets opened on July 1, **16** still open
 - See page 12 for further details

CERN and the Tier-1 sites



Site	Alice	Atlas	CMS	LHCb	Ops	Date	Comments
ASGC	-	atlas N	cms N	-	ops egi	2013-06-30	
BNL	-	atlas N	-	-	-	2013-06-30	
CERN	alice N	atlas N	cms N	lhcb N	ops egi	2013-07-03	
FNAL	-	-	cms N	-	-	2013-06-30	
IN2P3-CC	alice N	atlas N	cms N	lhcb N	ops egi	2013-07-10	
INFN-T1	alice N	atlas N	cms N	lhcb N	ops egi	2013-06-30	
JINR-T1	-	-	cms N	-	ops egi	2013-07-02	
KISTI	alice N	-	-	-	ops egi	2013-07-10	
KIT	alice N	atlas N	cms N	lhcb N	ops egi	2013-07-30	
NDGF-T1	?	?	-	-	-	2013-06-30	n/a ?
NIKHEF	alice N	atlas N	-	lhcb N	ops egi	2013-06-30	
PIC	-	atlas N	cms N	lhcb N	ops egi	2013-06-30	
RAL	alice N	atlas N	cms N	lhcb N	ops egi	2013-06-30	
RRC-KI-T1	alice N	atlas N	-	lhcb N	ops egi	2013-06-30	GGUS:95225
SARA	alice N	atlas N	-	lhcb N	ops egi	2013-07-15	
TRIUMF	-	atlas N	-	-	ops egi	2013-06-30	

EGI Tier-2 sites (1)



Site	Alice	Atlas	CMS	LHCb	Ops	Date	Comments
Australia							
Australia-ATLAS	-	atlas N	-	-	ops egi	2013-06-30	GGUS:95226
Austria							
HEPHY-UIBK	-	atlas N	-	-	ops egi	2013-07-26	
Hephy-Vienna	-	-	cms N	-	ops egi	2013-06-30	
Belgium							
BEgrid-ULB-VUB	-	-	cms N	-	ops egi	2013-06-30	
BelGrid-UCL	-	-	cms N	-	ops egi	2013-07-03	
Canada							
CA-MCGILL-CLUMEQ-T2	-	atlas N	-	-	ops egi	2013-06-30	GGUS:95230
CA-SCINET-T2	-	atlas N	-	-	ops egi	2013-06-30	GGUS:95231
CA-VICTORIA-WESTGRID-T2	-	atlas N	-	-	ops egi	2013-06-30	GGUS:95232
SFU-LCG2	-	atlas N	-	-	ops egi	2013-12-17	

EGI Tier-2 sites (2)



China							
BEIJING-LCG2	-	atlas N	cms N	-	ops egi	2013-07-26	
Czech Republic							
praguelcg2	alice N	atlas N	-	-	ops egi	2013-11-21	
Estonia							
T2_Estonia	-	-	cms N	-	-	2013-07-02	
Finland							
FI_HIP_T2	-	-	cms N	-	-	2013-07-09	
France							
GRIF	alice N	atlas N	cms N	lhcb N	ops egi	2013-07-17	
IN2P3-CC-T2	alice N	atlas N	cms N	lhcb N	ops egi	2013-07-10	
IN2P3-CPPM	-	atlas N	-	lhcb N	ops egi	2013-06-30	
IN2P3-IRES	alice N	-	cms N	-	ops egi	2013-06-30	
IN2P3-LAPP	-	atlas N	-	lhcb N	ops egi	2013-06-30	
IN2P3-LPC	alice N	atlas N	-	lhcb N	ops egi	2013-08-26	
IN2P3-LPSC	alice N	atlas N	-	-	ops egi	2013-07-29	
IN2P3-SUBATECH	alice N	-	-	-	ops egi	2013-08-13	



Germany							
DESY-HH	-	atlas N	cms N	-	ops egi	2013-07-04	log-only mode
DESY-ZN	-	atlas N	-	lhcb N	ops egi	2013-09-05	
GoeGrid	-	atlas N	-	-	ops egi	2013-06-30	GGUS:95243
GSI-LCG2	?	-	-	-	-	2013-06-30	
LRZ-LMU	-	?	-	-	-	2013-10-07	ARC
MPPMU	-	atlas N	-	-	ops egi	2013-09-24	
RWTH-Aachen	-	-	cms N	-	ops egi	2013-08-13	
UNI-FREIBURG	-	atlas N	-	-	ops egi	2013-06-30	GGUS:95248
Wuppertal	-	?	-	-	-	2013-09-30	ARC
Greece							
GR-07-UOI-HEPLAB	-	-	cms N	-	ops egi	2013-07-03	
Hungary							
BUDAPEST	alice N	-	cms N	-	ops egi	2013-06-30	
India							
IN-DAE-VECC-02	alice N	-	-	-	ops egi	2013-06-30	GGUS:95251
INDIACMS-TIFR	-	-	cms N	-	ops egi	2013-08-27	
Israel							
IL-TAU-HEP	-	atlas N	-	-	ops egi	2013-12-26	
TECHNION-HEP	-	atlas N	-	-	ops egi	2013-12-26	
WEIZMANN-LCG2	-	atlas N	-	-	ops egi	2013-07-31	

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Italy							
INFN-BARI	alice N	-	cms N	-	ops egi	2013-11-23	log-only mode
INFN-CATANIA	alice N	-	-	-	ops egi	2014-04-08	
INFN-CNAF-LHCB	-	-	-	lhcb N	ops egi	2013-06-30	
INFN-FRASCATI	-	atlas N	-	-	ops egi	2014-02-19	
INFN-LNL-2	alice N	-	cms N	-	ops egi	2013-06-30	
INFN-MILANO-ATLASC	-	atlas N	-	-	ops egi	2013-12-09	
INFN-NAPOLI-ATLAS	-	atlas N	-	-	ops egi	2013-12-18	
INFN-PISA	-	-	cms N	lhcb N	ops egi	2014-02-18	
INFN-ROMA1	-	atlas N	-	-	ops egi	2013-07-22	
INFN-ROMA1-CMS	-	-	cms N	-	ops egi	2013-06-30	
INFN-TORINO	alice N	-	-	-	ops egi	2013-06-30	GGUS:95263
Japan							
TOKYO-LCG2	-	atlas N	-	-	ops egi	2013-06-30	GGUS:95264
Norway							
NO-NORGRID-T2	-	?	-	-	-	2013-06-30	n/a ?
Pakistan							
NCP-LCG2	-	-	cms N	-	ops egi	2013-09-10	
Poland							
CYFRONET-LCG2	alice N	atlas N	cms N	lhcb N	ops egi	2013-06-30	GGUS:95266
ICM	-	-	cms N	lhcb N	ops egi	2013-10-30	
PSNC	alice N	atlas N	-	lhcb N	ops egi	2013-09-05	



Portugal							
LIP-Coimbra	-	atlas N	-	-	ops egi	2013-06-30	
LIP-Lisbon	-	T3	-	-	ops egi	2013-07-03	
NCG-INGRID-PT	-	atlas N	cms N	-	ops egi	2013-07-05	

Republic of Korea							
KR-KISTI-GCRT-01	alice N	-	-	-	ops egi	2013-07-11	
LCG_KNU	-	-	cms N	-	ops egi	2013-07-12	

Romania							
NIHAM	?	-	-	-	-	2013-06-30	
RO-02-NIPNE	-	atlas N	-	-	ops egi	2013-06-30	GGUS:95273
RO-07-NIPNE	alice N	atlas N	-	lhcb N	ops egi	2014-03-03	
RO-11-NIPNE	-	-	-	lhcb N	ops egi	2014-03-05	
RO-13-ISS	alice N	-	-	-	ops egi	2013-11-26	
RO-14-ITIM	-	atlas N	-	-	ops egi	2013-11-14	
RO-16-UAIC	-	atlas N	-	-	ops egi	2013-11-11	

Russian Federation							
ITEP	alice N	atlas N	cms N	lhcb N	ops egi	2013-07-17	
JINR-LCG2	alice N	atlas N	cms N	lhcb N	ops egi	2013-08-31	
RRC-KI	alice N	atlas N	cms N	lhcb N	ops egi	2013-06-30	GGUS:95225
ru-Moscow-FIAN-LCG2	-	atlas N	cms N	-	ops egi	2013-11-13	
ru-Moscow-SINP-LCG2	-	atlas N	cms N	lhcb N	ops egi	2013-12-15	
ru-PNPI	alice N	atlas N	cms N	lhcb N	ops egi	2014-02-03	
RU-Protvino-IHEP	alice N	atlas N	cms N	lhcb N	ops egi	2013-12-11	
RU-SPbSU	alice N	-	-	lhcb N	ops egi	2013-07-25	
Ru-Troitsk-INR-LCG2	alice N	-	cms N	lhcb N	ops egi	2013-12-21	

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Slovak Republic							
FMPHI-UNIBA		alice N	atlas N	-	-	ops egi	2013-06-30
IEPSAS-Kosice		alice N	atlas N	-	-	ops egi	2013-07-23
Slovenia							
SiGNET	-	?	-	-	-	-	2013-06-30 n/a ?
Spain							
CIEMAT-LCG2	-	-	cms N	-	-	ops egi	2013-06-30
ifae	-	atlas N	-	-	-	ops egi	2013-07-02
IFCA-LCG2	-	-	cms N	-	-	ops egi	2013-06-30
IFIC-LCG2	-	atlas N	-	-	-	ops egi	2013-10-31
UAM-LCG2	-	atlas N	-	-	-	ops egi	2013-07-11
UB-LCG2	-	-	-	lhcb N	-	ops egi	2013-09-10
USC-LCG2	-	-	-	lhcb N	-	ops egi	2013-07-01
Sweden							
SE-SNIC-T2	?	?	-	-	-	-	2013-06-30 n/a ?
Switzerland							
CSCS-LCG2	-	atlas N	cms N	lhcb N	-	ops egi	2013-07-01
UNIBE-LHEP	-	?	-	-	-	-	2013-06-30 n/a ?
Taipei							
TW-FTT	-	atlas N	cms N	-	-	ops egi	2013-06-30
Turkey							
TR-03-METU	-	-	cms N	-	-	ops egi	2013-07-04
TR-10-ULAKBIM	-	atlas N	-	-	-	ops egi	2013-07-25

EFDA-JET	-	-	-	lhcb N	ops egi	2014-01-17	
UKI-LT2-Brunel	-	atlas N	cms N	lhcb N	ops egi	2013-06-30	
UKI-LT2-IC-HEP	-	atlas N	cms N	lhcb N	ops egi	2013-06-30	
UKI-LT2-QMUL	-	atlas N	cms N	lhcb N	ops egi	2013-11-14	
UKI-LT2-RHUL	-	atlas N	cms N	lhcb N	ops egi	2013-11-05	
UKI-LT2-UCL-HEP	-	atlas N	-	-	ops egi	2013-06-30	GGUS:95298
UKI-NORTHGRID-LANCS-HEP	-	atlas N	-	lhcb N	ops egi	2013-06-30	GGUS:95299
UKI-NORTHGRID-LIV-HEP	-	atlas N	-	lhcb N	ops egi	2013-06-30	
UKI-NORTHGRID-MAN-HEP	-	atlas N	-	lhcb N	ops egi	2013-10-04	
UKI-NORTHGRID-SHEF-HEP	-	atlas N	-	lhcb N	ops egi	2014-01-27	
UKI-SCOTGRID-DURHAM	-	-	-	lhcb N	ops egi	2014-01-29	
UKI-SCOTGRID-ECDF	-	atlas N	-	lhcb N	ops egi	2013-06-30	GGUS:95303
UKI-SCOTGRID-GLASGOW	-	atlas N	cms N	lhcb N	ops egi	2013-06-30	
UKI-SOUTHGRID-BHAM-HEP	alice N	atlas N	-	lhcb N	ops egi	2013-10-11	
UKI-SOUTHGRID-BRIS-HEP	-	-	cms N	lhcb N	ops egi	2013-11-22	
UKI-SOUTHGRID-CAM-HEP	-	atlas N	-	lhcb N	ops egi	2013-11-04	
UKI-SOUTHGRID-OX-HEP	alice N	atlas N	cms N	lhcb N	ops egi	2013-07-04	
UKI-SOUTHGRID-RALPP	-	atlas N	cms N	lhcb N	ops egi	2013-07-05	
UKI-SOUTHGRID-SUSX	-	atlas N	-	-	ops egi	2013-08-14	

Ukraine

Kharkov-KIPT-LCG2	-	-	cms N	-	ops egi	2013-06-30	
UA-BITP	alice N	-	-	-	ops egi	2013-08-14	
UA-ISMA	alice N	-	-	-	ops egi	2014-02-08	
UA-KNU	alice N	?	-	-	ops egi	2013-12-03	





Site	Alice	Atlas	CMS	LHCb	Ops	Date	Comments
USALICE							
LC-glcc	?	-	-	-	-	2013-06-30	
NERSC-PDSF	?	-	-	-	-	2013-06-30	
USATLAS							
AGLT2	-	atlas N	-	-	-	2013-06-30	
BU_ATLAS_Tier2	-	atlas N	-	-	-	2013-06-30	
HU_ATLAS_Tier2	-	?	-	-	-	2013-06-30	
MWT2	-	atlas N	-	-	-	2013-06-30	
MWT2_UC	-	atlas N	-	-	-	2013-06-30	
OU_OCHEP_SWT2	-	atlas N	-	-	-	2013-06-30	
SWT2_CPB	-	atlas N	-	-	-	2013-06-30	
UTA_SWT2	-	atlas N	-	-	-	2013-06-30	
WT2	-	atlas N	-	-	-	2013-06-30	
USCMS							
Caltech	-	-	cms N	-	-	2013-06-30	
Florida	-	-	cms N	-	-	2013-06-30	
MIT	-	-	cms N	-	-	2013-06-30	
Nebraska	-	atlas N	cms N	-	-	2013-06-30	
Purdue	-	-	cms N	-	-	2013-06-30	
UCSD	-	-	cms N	-	-	2013-06-30	
Vanderbilt	-	-	cms N	-	-	2013-06-30	
Wisconsin	-	-	cms N	-	-	2013-06-30	
Brazil							
GridUNESP_CENTRAL	-	-	?	-	-	2013-06-30	
SPRACE	-	-	cms N	-	-	2013-06-30	



Notes about sites

- Various ALICE sites do not have CEs
 - Currently cannot be tested → no ticket
- Various ATLAS sites intend to use ARC CEs
 - ARC Control Tower v2 to handle traceability
- ATLAS OSG sites to be handled by USATLAS
- A few sites use the log-only mode
 - Better than nothing
- A few tickets are stuck on technical issues
- A few tickets got very little attention

Deployment status for experiments



- CMS are close to making their gLExec tests critical
 - Scheduling at T1 sites should be solved now
- LHCb presumably ready for using gLExec
 - On sites where it works
- ATLAS
 - Thousands of analysis and production jobs successfully executed on ANALY_CERN_GLEXECDEV PanDA queue
 - gLExec code being merged into pilot head
 - Release expected soon
 - Systematic HammerCloud tests on real queues next
- ALICE need to adapt AliEn
 - Concept is not contested