



GLUE2.0 validation for WLCG

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GLUE 2.0 attributes to be validated

- Received feedback from ALICE and LHCb
 - WaitingJobs for ALICE
 - MaxCPUTime for LHCb
 - Although LHCb may have further requirements when they start consuming GLUE 2.0 information
 - There is also a BDII vs SRM monitoring in place since December 2013



ALICE WaitingJobs

- New view in SSB containing two metrics
 - WaitingJobs validation
 - Result of running glue-validator using `-s alice`
 - New alice testsuite created
 - It contains only one test that checks WaitingJobs <> 444444
 - It runs once per hour
 - Associated GGUS ticket
 - If a site publishes WaitingJobs=444444 for three hours, a GGUS ticket is opened automatically
 - Using testing GGUS instance for the moment



ALICE Waiting Jobs

<https://wlcg-mon.cern.ch/dashboard/request.py/siteview#currentView=ALICE+Waiting+Jobs>

Site Name	ALICE Waiting Jobs	GGUS ticket for ALICE waiting jobs
NDGF-T1	Unreachable	None
NIHAM	OK	51353
NIKHEF-ELPROD	OK	None
PK-CIIT	ERROR	52323
PSNC	OK	51354
RAL-LCG2	OK	None
RO-07-NIPNE	OK	51367
RO-13-ISS	OK	None
RRC-KI	OK	51355
RRC-KI-T1	OK	None
RU-Provino-IHEP	OK	None
RU-SPbSU	Unreachable	None
Ru-Troitsk-ISR-LCG2	OK	None
SAMPA	OK	None
SARA-MATRIX	OK	51374
SE-SNIC-T2	Unreachable	None
SUPERCOMPUTO-UNAM	OK	None
T2-TH-CUNSTDA	Missing_ALICE_queues	None
T2-TH-SUT	OK	None
UA-BITP	Unreachable	None
UA-ISMA	OK	None



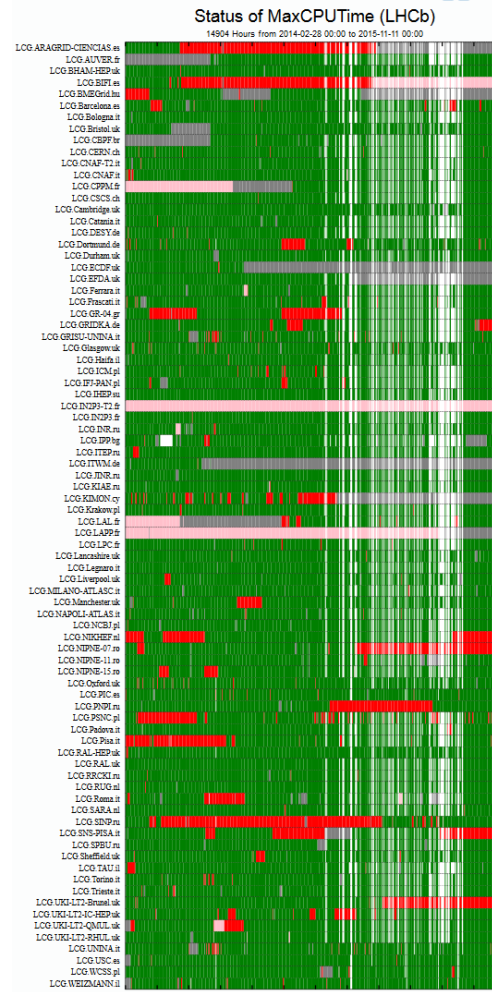
LHCb MaxCPUTime

- SSB view exists since February 2014 with two metrics
 - MaxCPUTime validation
 - Result of running glue-validator using `–s lchb`
 - LHCb testsuite available in glue-validator
 - It contains only one test that checks MaxCPUTime `<> 999999999`
 - It runs once per day
 - Associated GGUS ticket
 - This is disabled now



LHCb MaxCPUTime

<https://wlcg-mon.cern.ch/dashboard/request.py/siteview#currentView=Glue+Validator+LHCb>





LHCb BDII vs BDII monitoring

<https://wlcg-mon.cern.ch/dashboard/request.py/siteview#currentView=BDII+vs+SRM+LHCb+Storage>

Site Name	LHCb Total Disk	LHCb Used Disk	LHCb Total Tape	LHCb Used Tape	LHCb Total User Space	LHCb Used User Space
CBPF	OK=>BDII:120==>SRM:120	OK=>BDII:64==>SRM:64	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares
CERN	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares
CERN-EOS	OK=>BDII:4500==>SRM:4500	OK=>BDII:3564==>SRM:3564	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares
CNAF	OK=>BDII:2476==>SRM:2476	OK=>BDII:2069==>SRM:2069	OK=>BDII:2725==>SRM:2725	OK=>BDII:463==>SRM:463	OK=>BDII:121==>SRM:121	OK=>BDII:105==>SRM:105
CSCS	OK=>BDII:290==>SRM:290	OK=>BDII:192==>SRM:192	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares
GRIDKA	OK=>BDII:2050==>SRM:2050	OK=>BDII:1697==>SRM:1697	OK=>BDII:135==>SRM:135	OK=>BDII:2==>SRM:2	OK=>BDII:80==>SRM:80	OK=>BDII:66==>SRM:66
IHEP	OK=>BDII:64==>SRM:64	OK=>BDII:57==>SRM:57	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares
IN2P3	OK=>BDII:1649==>SRM:1649	OK=>BDII:1302==>SRM:1302	OK=>BDII:27==>SRM:27	OK=>BDII:0==>SRM:0	OK=>BDII:131==>SRM:131	OK=>BDII:92==>SRM:92
Manchester	OK=>BDII:300==>SRM:300	OK=>BDII:188==>SRM:188	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares
PIC	OK=>BDII:730==>SRM:730	OK=>BDII:607==>SRM:607	OK=>BDII:12==>SRM:12	OK=>BDII:0==>SRM:0	OK=>BDII:60==>SRM:60	OK=>BDII:45==>SRM:45
RAL	OK=>BDII:3540==>SRM:3540	OK=>BDII:2739==>SRM:2741	OK=>BDII:159==>SRM:159	OK=>BDII:119==>SRM:119	OK=>BDII:199==>SRM:199	OK=>BDII:105==>SRM:105
RAL-HEP	OK=>BDII:455==>SRM:455	OK=>BDII:295==>SRM:295	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares	Missing_LHCb_shares
SARA	OK=>BDII:1488==>SRM:1488	OK=>BDII:1013==>SRM:1013	OK=>BDII:33==>SRM:33	OK=>BDII:0==>SRM:0	OK=>BDII:62==>SRM:62	OK=>BDII:58==>SRM:58



GLUE 2.0 profile for WLCG

- After the feedback received, only two attributes are validated
 - It doesn't make sense to talk about a GLUE 2.0 profile right now



Automating GLUE 2.0 validation

- There is a mechanism in place
- It is straightforward to implement new tests
- Only feedback from experiments is needed
 - Which attributes to validate
 - Validation criteria