

Tier2 – Monitoring

Shifters Report
04.07.-10.07.2007
Benedikt Mura

- SAM status
- ARDA dashboard
- Site efficiency
- MC production
- PhEDEx transfers

Site Availability Monitoring I

- CEs in status 'ok' most of the time, except:
 - **swinst** (Software Installation) in status '**warn**'
 - command 'scramv1 list'; failed due to unclean software removal, directories of sw versions remained
[on all CEs from evening 09.07. until morning 10.07]
 - **mc** in status '**error**'
 - timeout when writing to dCache (see prev. weeks report)
[grid-ce0: 09.07. ~ 22:31]
[grid-ce1: 09.07. ~ 22:17 – 23:17]
[grid-ce2: 09.07. ~ 16:17 – 23:17]

Site Availability Monitoring II

- **job** in status '**error**'
 - 'Unspecified gridmanager error'
 - [grid-ce1: 05.07. ~ 20:17 – 00:17]
 - also large number of production jobs aborted in this time period (see below)
 - 'Globus error 131: the user proxy expired'
 - [grid-ce2: 04.07. ~ 14:17 – 23:17]

DESY-HH Dashboard I

JOB SUMMARY

[You found a bug? You have a suggestion?](#)

jobsummary waitingtime runningtime

any user
 DESY-HH (Hamburg, Germa
 any ce
 any submissiontool
 any dataset
 any application
 any rb
 any activity
 any grid

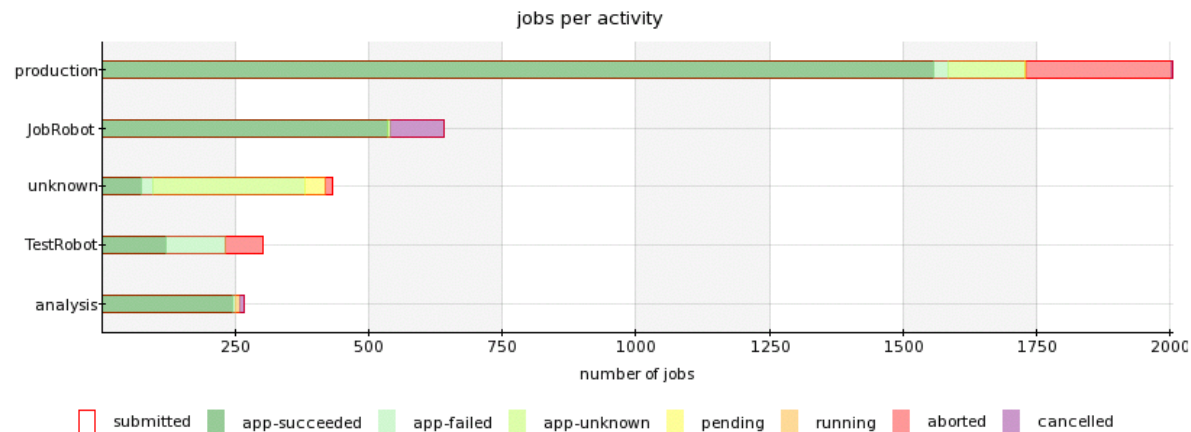
☐ unk ☐ pend ☐ run ☐ term
☐ done ☐ canc ☐ abort ☐ g-unk
☐ succ ☐ fail ☐ a-unk
☐ donesuccess

2007-07-04 08:00:00 to
 2007-07-11 08:00:00

sort by activity

bars in the plot

submit



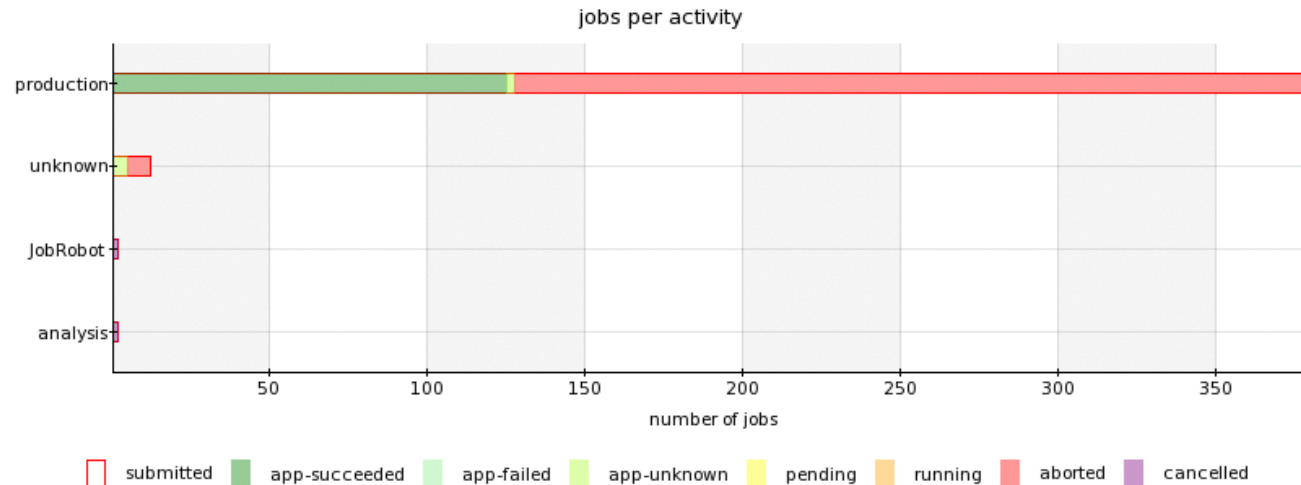
	dashboard					grid				application					overall	
activity\	Sub	Unk	Pend	Run	Term	Done	Canc	Abort	Unk	Grid%	Succ	Fail	Unk	App%	D/S	Overall%
JobRobot	640	0	0	0	640	540	100	0	0	100	535	0	105	100	535	83.59
TestRobot	303	0	0	0	303	130	0	70	103	65	120	111	72	51.95	110	36.3
analysis	268	0	0	8	260	247	9	0	4	100	245	6	9	97.61	245	94.23
production	2006	0	1	2	2003	1598	4	272	129	85.45	1558	27	418	98.3	1468	73.29
unknown	432	0	36	2	394	382	0	42	0	96.95	74	22	298	77.08	74	18.78
total	3649	0	37	12	3600	2897	113	354	236	89.11	2532	166	902	93.85	2432	67.56

DESY-HH Dashboard II

- Overall success rates:
 - JobRobot: 84%
 - TestRobot / unknown: 36% / 20%
 - that's bad but what is TestRobot / unknown doing?
 - analysis: 94%, good
 - production: 73%, should be more
 - most jobs (272 / 2003) aborted due to grid errors
 - ~ 68% success rate for all activities

Dashboard: failed production jobs

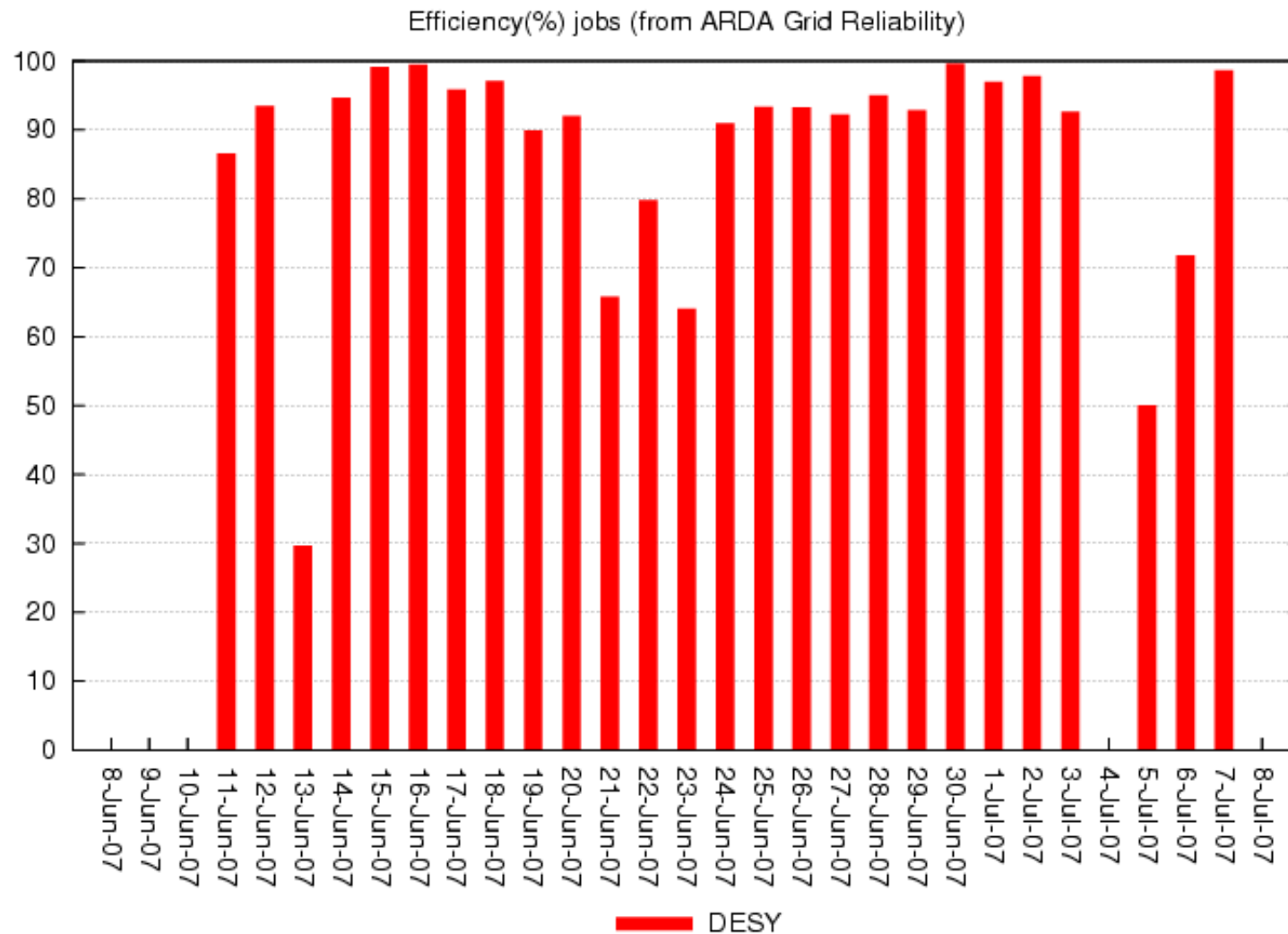
any user
 DESY-HH (Hamburg, Germa
 grid-ce1.desy.de:2119/jobm.
 any submissiontool
 any dataset
 any application
 any rb
 any activity
 any grid
☐ unk ☐ pend ☐ run ☐ term
☐ done ☐ canc ☐ abort ☐ g-unk
☐ succ ☐ fail ☐ a-unk
☐ donesuccess
 2007-07-05 18:00:00 to
 2007-07-06 01:00:00
 sort by activity
☐ bars in the plot
 submit



	dashboard					grid					application				overall	
activity\	Sub	Unk	Pend	Run	Term	Done	Canc	Abort	Unk	Grid%	Succ	Fail	Unk	App%	D/S	Overall%
JobRobot	2	0	0	0	2	0	2	0	0	0	0	0	2	0	0	0
analysis	2	0	0	0	2	0	2	0	0	0	0	0	2	0	0	0
production	382	0	0	0	382	128	0	254	0	33.51	125	0	257	100	125	32.72
unknown	12	0	0	0	12	5	0	7	0	41.67	0	0	12	0	0	0
total	398	0	0	0	398	133	4	261	0	33.76	125	0	273	100	125	31.41

~ 75% of all “grid aborts” this week

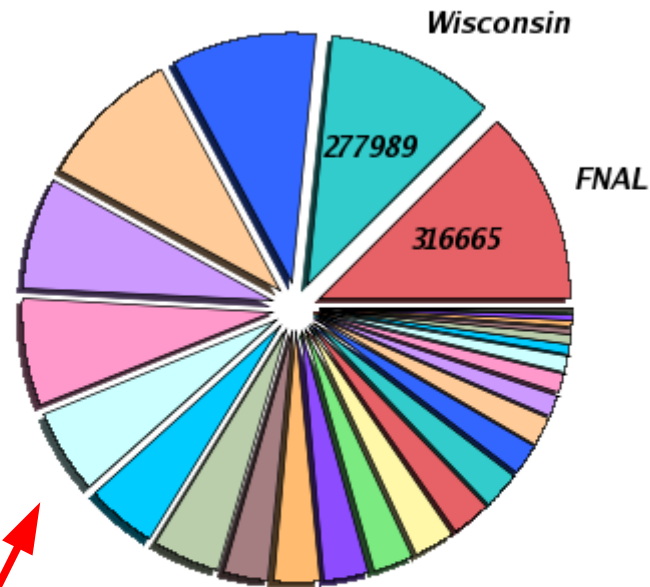
ARDA Grid Reliability



MC Production

ProdAgent Merge Events Written by Site (Sum: 2538146 Events)
 48 Hours from 2007-07-05 09:33 to 2007-07-07 09:33 UTC

Constant activity this week:
 ~ 2000 jobs
 ~ 50k events/day
 ~73% overall efficiency

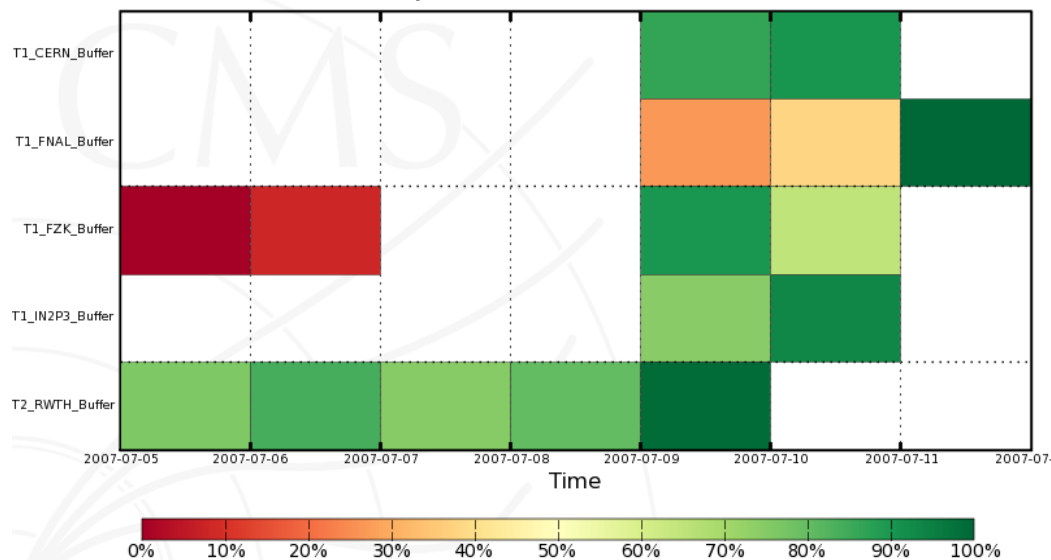


FNAL (316665)	Wisconsin (277989)	RWTH (238303)	IN2P3 (234337)	Spain_CIEMAT (180819)
Purdue (176618)	T2_DESY (140040)	SPRACE (115253)	Estonia (110278)	Nebraska (75124)
FZK (74873)	Florida (73924)	Belgium_UCL (68017)	Caltech (66887)	WARSAW (64199)
Taiwan (60798)	Legnaro (50915)	MIT (48056)	London_Brunel (34999)	KNU (31247)
RutherfordPPD (28000)	CERN (15600)	London_RHUL (14799)	Rome1 (11409)	T2_Belgium (10163)
Spain_IFCA (8050)	Pisa (4729)	Unknown (3900)	GRIF (2155)	

PhEDEx Transfers to DESY

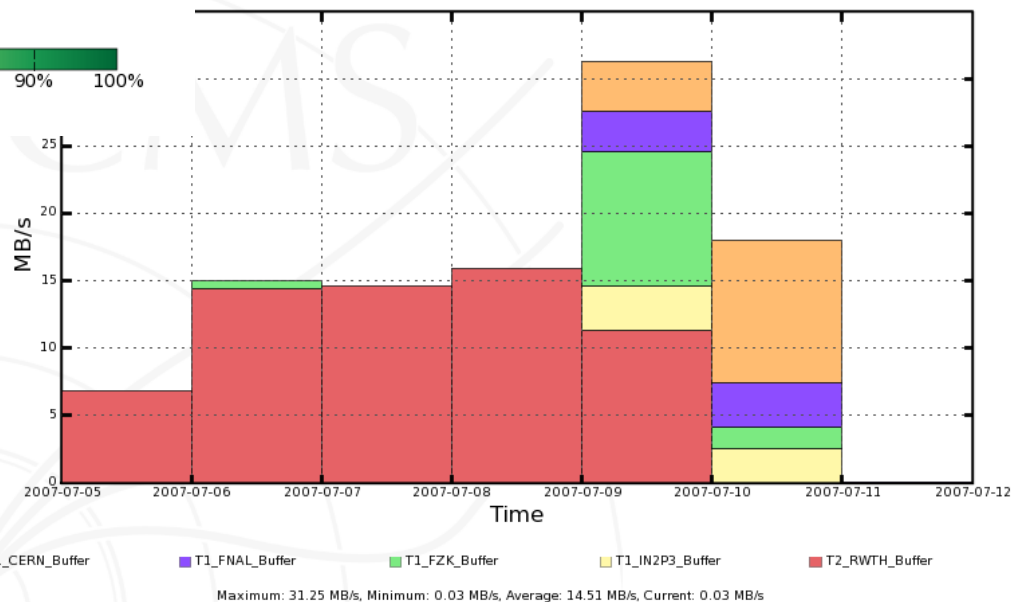
CMS PhEDEx - Transfer Quality

7 Days from 2007-07-05 to 2007-07-12 UTC



CMS PhEDEx - Transfer Rate

7 Days from 2007-07-05 to 2007-07-12 UTC

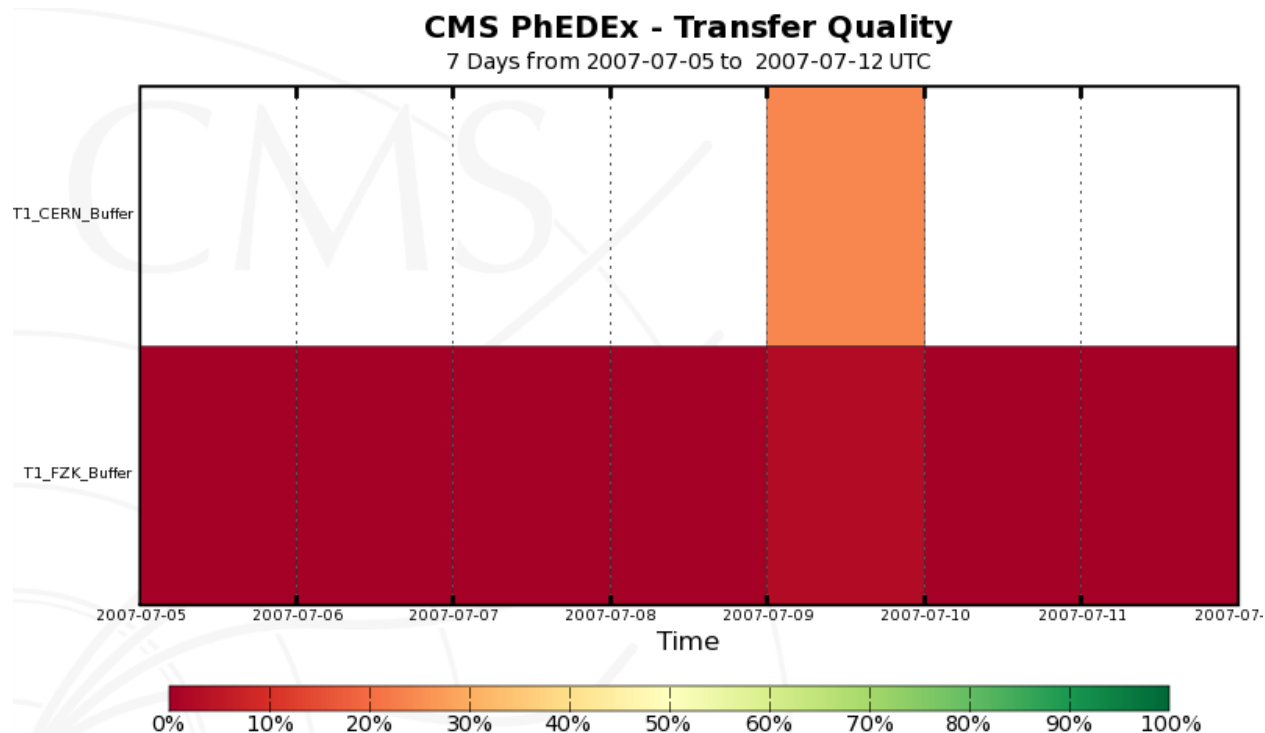


- New transfer partners:

- CERN
- FNAL
- FZK
- IN2P3

PhEDEx Transfers from DESY

Problems still under investigation.



News: PhEDEx 2.5.3.1 installed at DESY