

BigPanDA Monitoring Tutorial

User's point of view

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Introduction

Lets start with a big thanks to BigPanda developers for great tasks/jobs monitoring tool located at:

`http://bigpanda.cern.ch`

General points

- BigPanda is still in development \Rightarrow in some time, pages I will show can look differently
- Communication (Requests, problems,...):

ATLASPANDA JIRA tracker

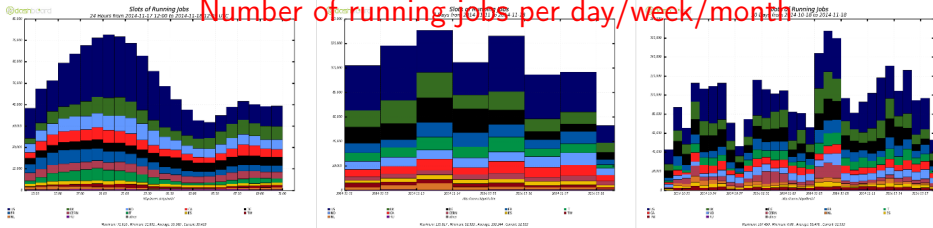
(`https://its.cern.ch/jira/browse/ATLASPANDA`)

examples of pages on my slides are shown for production jobs/tasks. Structure of analysis page is identical or very similar

Main page

Menu

Number of running jobs per day/week/month



Search

PanDA job ID or name	<input type="text"/>	<input type="button" value="Submit"/>
Batch ID	<input type="text"/>	<input type="button" value="Submit"/>
Task ID	<input type="text"/>	<input type="button" value="Submit"/>
Task name	<input type="text"/>	<input type="button" value="Submit"/>

Search

- News**
- 20141116: Task_job displays customized for event service
 - 20141113: Dashboards show all (pre)active jobs, not just N hrs
 - 20141113: Support URLs of form `.../jobs/?pandaid=firstid,secondid,...`
 - 20141107: Task name search supports front and/or back wildcards
 - 20141102: batchid search uses job name for single-job search
 - 20141013: Support `date_from=2014-10-01&date_to=2014-10-03`
 - 20141013: Support `earlierthan=Nhours, earlierthandays=Ndays` on URL
 - 20141013: Filter duplicate jobs arising from archive transfer overlap
 - 20141013: Include zero-job sites and test jobs in dashboards
 - 20141013: Loflike links routed to Jarka's new filebrowser

News

Main page

Tasks for campaign	<input type="text"/>	<input type="button" value="Submit"/>
Tasks for project	<input type="text"/>	<input type="button" value="Submit"/>
Tasks for tag	<input type="text"/>	<input type="button" value="Submit"/>
Tasks for stream	<input type="text"/>	<input type="button" value="Submit"/>
Site	<input type="text"/>	<input type="button" value="Submit"/>
User	<input type="text"/>	<input type="button" value="Submit"/>
Dataset	<input type="text"/>	<input type="button" value="Submit"/>
File	<input type="text"/>	<input type="button" value="Submit"/>
Stalled jobs	in <input type="text" value="defined"/> for over <input type="text" value=""/> hours	<input type="button" value="Submit"/>
Stalled tasks	in <input type="text" value="registered"/> for over <input type="text" value=""/> hours	<input type="button" value="Submit"/>

Search

News

- 20141013: Creator job links on job pages now work for ages up to a year
- 20141013: Task list depth on user pages shortened to 7 days for speed.
- 20141010: Job pages provide links to creator job search for input files
- 20140923: Job pages directly link to object store based log tarballs
- 20140913: Link DEFT request page from task list and detail pages
- 20140912: On task page highlight input containers, hide datasets by default
- 20140911: Task name search supports wildcarding
- 20140911: Show wait time, duration for jobs not yet running, completed
- 20140818: Job attempt# off for user page, JEDI jobs. Not meaningful in JEDI.
- 20140818: Task attribute summary added to user page
- 20140817: Output container list added to task detail page
- 20140817: Support clarified. Use DAS7 list, as ever, for dist analysis support
- 20140817: curl retrieval of json task lists when curl in [the help](#)
- 20140817: Merge (and other non-retry) jobs supported as a relationship type
- 20140816: Cache lifetime 3min for all pages, documented in footer. Report issues
- 20140816: [Restructured help with consolidated help page](#)
- 20140815: Show prodsys1 tasknames in error summary
- 20140814: Task summaries (huge and slow) removed from non-task dashboards
- 20140814: Task state names in task list, detail pages link to state doc
- 20140814: Task list in user pages brought up to date, with input completion
- 20140814: Wildcarding implemented for taskname in task lists
- 20140813: Works on mobile. Still tuning to do. Report bad issues please.
- 20140813: Add task searches for campaign, project, stream, tag
- 20140813: Add project, stream and tag summary info to task lists
- 20140813: Auto redirect pre-JEDI task detail pages to old monitor
- 20140813: Show in, out datasets on user pages and job lists
- 20140813: Fill state colors in dashboard task, job summary tables
- 20140813: Filled color in the status cells for job and task pages
- 20140812: Campaign added to task list and detail pages
- 20140812: Task pages use new DEFT-friendly 'superstatus'. See task page help.
- 20140812: Stalled task search added
- 20140812: Improved job listings on user pages (matching job lists)
- 20140801: Job name links in job lists
- 20140801: Finished/failed job counts and %failed added to task error summary
- 20140801: [Dashboards for task-based analysis, production job summaries](#)

Dashboard

Dashboard → Production jobs - Region view
 - task/job stats distribution per clouds/sites

The screenshot shows the ATLAS PanDA monitor interface. The top navigation bar includes 'Dashboards', 'Tasks', 'Jobs', 'Errors', 'Users', 'Sites', 'Incidents', and 'Search'. The main content area is divided into several sections:

- Jobs in transferring state:** A table showing the distribution of jobs in transferring state across various regions (CA, CERN, DE, ES, FR, IT, ND, NL, RU, TW, UK, US). The 'UK' region shows a significantly higher number of jobs in transferring state compared to others.
- production task summary:** A detailed table showing task statistics for each region, including the number of tasks, their status (e.g., done, fail, finish), and the number of broken or retried tasks.

Red annotations highlight specific data points and trends:

- A red box highlights the 'Jobs in transferring state' table, with a red arrow pointing to the 'UK' row, indicating that jobs in transferring state are more than 36 hours old.
- A red box highlights the 'production task summary' table, with a red arrow pointing to the 'UK' row, indicating a task summary by cloud, last 3 days.
- A red box highlights the 'production task summary' table, with a red arrow pointing to the 'UK' row, indicating a cloud/site summary of jobs.

Jobs in transferring state more than 36 hours

task summary by cloud, last 3 days

cloud/site summary of jobs ↓

Dashboard

Dashboard → Working group jobs

- task/job stats distribution per Working group

ATLAS PanDA monitor

PanDA working group dashboard

task summary by group

Generated 2014-11-18 12:54 UTC

Working group task summary

Analysis jobs

Production jobs - Cloud view

Production jobs - Region view

Working group jobs

Analysis tasks

Production tasks

see full name. [Task state documentation](#)

Working group	nTask	scout	scld	run	prep	done	fail	finish	abrtg	abrtd	finishg	toprep	prepc	lobrok	broken	retry	Inceax	refine
AP_EXOT	60	1	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AP_Higgs	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
AP_REPR	36	0	0	1	0	8	0	0	0	16	0	0	0	0	4	0	0	0
AP_TAUP	30	11	0	0	0	0	0	0	0	4	0	0	0	0	4	0	0	0
AP_Top	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AP_VALI	35	1	0	1	0	7	0	0	0	3	0	0	0	0	1	0	0	0
AP_physics	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GP_DAPR	124	0	0	0	0	89	0	32	0	2	0	1	0	0	0	0	0	0
GP_EXOT	55	0	0	0	0	36	0	18	0	1	0	0	0	0	0	0	0	0
GP_HIGG	5	0	0	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0
GP_PHYS	1958	0	0	0	0	7	39	0	169	0	454	52	10	12	281	0	0	0
GP_STDM	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
GP_SUSY	150	0	0	0	0	10	0	136	2	2	0	0	0	0	0	0	0	0
GP_TAUP	72	0	0	0	0	47	0	25	0	0	0	0	0	0	0	0	0	0
GP_THLT	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0

job summary by group



Dashboard

Dashboard → Production tasks

- task/job stats distribution per cloud/task

ATLAS PanDA monitor | Dashboards ▾ | Tasks ▾ | Jobs ▾ | Errors ▾ | Users ▾ | Sites ▾ | Incidents ▾ | Search | Prodsys ▾ | Services ▾ | VO ▾ | Help ▾

PanDA production dashboard, v1

All jobs

Generated 2014-11-18 14:15 UTC

production task summary

over state name to see full name. Task state documentation

Cloud	nTask	msg	df	def	actfd	run	prep	done	fail	finish	abrtg	abrtfd	trchng	logprp	proprp	jobbk	broken	retry	inccrs	refine
	112	35	10	0	0	0	0	0	0	0	0	23	0	0	0	0	3	0	0	0
CA	334	0	0	0	8	0	101	13	0	1	26	0	0	0	0	0	178	0	0	0
CERN	126	0	0	0	82	0	39	0	4	0	1	0	0	0	0	0	0	0	0	0
DE	262	0	0	0	77	0	30	2	5	1	105	0	0	0	0	0	23	0	0	0
ES	119	0	1	0	9	0	40	11	0	0	11	0	0	0	0	0	36	0	0	0
FR	330	0	0	0	0	1	9	0	24	0	126	9	3	0	0	20	0	0	0	138
IT	301	0	0	0	0	0	7	0	8	0	78	1	3	0	0	16	0	0	0	188
ND	131	0	0	0	0	0	4	0	22	0	23	1	0	0	0	34	0	0	0	47
NL	86	0	0	0	0	0	3	0	13	0	35	0	0	0	0	14	0	0	0	21
TW	84	0	0	0	1	0	3	0	2	0	56	0	0	0	0	0	22	0	0	0
UK	435	0	0	0	0	0	32	0	69	0	68	8	0	13	47	0	0	0	0	198
US	241	0	0	0	0	0	13	0	24	1	90	10	3	0	12	0	0	0	0	98

task summary by cloud, last 3 days

job summary for active tasks

Job summary for 300 recently active production tasks. display_limit=300

	Status	nJobs	defined	waiting	assigned	throttled	activated	sent	starting	running	holding	transferring	finished	failed	cancelled	% failed
mc14_8TeV_150114.Harwigg_EE3CTEQRL1_jetJt_Z4W_recon.e1373_s1933_s1911_5591.task		800	0	0	0	0	0	0	0	2	0	10	785	3	0	0
mc14_8TeV_167741.Sherpa_CT10_WemMassiveCBP0_CJetFilterBeto_recon.e1585_s1933_s1911_5591.task		1500	0	0	0	0	19	0	0	0	0	140	1338	6	0	0
mc14_8TeV_167749.Sherpa_CT10_ZeeMassiveCBP0_BFilter_recon.e1585_s1933_s1911_5591.task		807	0	0	0	0	0	0	0	0	0	0	799	8	0	0
mc14_8TeV_167806.Sherpa_CT10_ZnumMassiveCBP0_140_BFilter_recon.e1620_s1933_s1911_5591.task		800	0	0	0	0	14	0	0	1	0	24	580	1	0	0
mc14_8TeV_167801.Sherpa_CT10_ZnumMassiveCBP0_500_CFilterBeto_recon.e1714_s1933_s1911_5591.task		10	0	0	0	0	0	0	0	0	0	1	9	0	0	0
mc14_8TeV_167832.Sherpa_CT10_ZnumMassiveCBP0_280_500_CVetoBeto_recon.e1714_s1933_s1911_5591.task		830	0	0	14	0	24	0	6	21	2	27	646	90	0	12
mc14_8TeV_150122.Pythia8_AU2CTEQRL1_gmmajet_binmed_recon.e1407_s1933_s1911_5591.task		1004	0	0	0	0	56	0	0	4	1	12	922	9	0	0
mc14_8TeV_150124.Pythia8_AU2CTEQRL1_gmmajet_binmed300_recon.e1407_s1933_s1911_5591.task		1001	0	0	0	0	0	0	0	0	0	1	996	4	0	0

Tasks

Tasks→Production

- type, campaign, group, used, efficiency, priority, timing,...

ATLAS PanDA monitor Dashboards ▾ Tasks ▾ Jobs ▾ Errors ▾ Users ▾ Sites ▾ Incidents ▾ Search Prodsys ▾ Services ▾ VO ▾ Help ▾

PanDA JEDI task list, last 12 hours (limit 6000 per page) All limit=6000 Generated 2014-11-25 16:08 UTC

Task attribute summary, 2241 tasks

campaign (5)	mc11c (5) MC12b (7) ...	Production	MC14a (465) test1 (3)
cloud (11)	CA (153) CERN (228) ...	Event service	FR (187) IT (141) ND (84) NL (81) TW (69) UK (286) US (257)
corecount (3)	1 (2076) 4 (27) 8 (138)		

task attribute summary

workinggroup (20)	AP_EXOT (86) AP_HIGG (217) AP_Higgs (3) AP_physics (1) AP_REPR (82) AP_STDM (66) AP_SUSY (192) AP_TAUP (46) AP_Top (4) AP_VALI (51) GP_DAPR (206) GP_EXOT (74) GP_FTAG (4) GP_HIGG (16) GP_PHYS (601) GP_STDM (47) GP_SUSY (202) GP_TAUP (71) GP_THLT (17) GP_TOPQ (228)
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2241 tasks, sorted by jeditaskId

tasks details

ID Parent	Task name TaskType/ProcessingType Campaign Group User Logged status	Task status Nfiles	Input files finish% fail% Nfinish Nfail	Modified	State changed	Priority
4452307	ced40adf-6147-442d-8bb4-d922959cd22d prod/simul test1 AP_Higgs pandasrv1 JIRA	done 12	100% 12	2014-11-25 16:08	11-25 16:08	9002
4452115 4452114	mc14_13TeV.204641.MadGraphPythia_AUET2BCTEQ6L1_SM_GG_onestepCC_1865_945_25.merge.e3313_a266_a265_r5853 prod/merge MC14a AP_SUSY mehnhase JIRA RequestID:1147 pending until parent produces input	registered		2014-11-25 15:31	11-25 15:31	820
4452114 4452113	mc14_13TeV.204641.MadGraphPythia_AUET2BCTEQ6L1_SM_GG_onestepCC_1865_945_25.recon.e3313_a266_a265 prod/recon MC14a AP_SUSY mehnhase JIRA RequestID:1147 pending until parent produces input	registered		2014-11-25 15:31	11-25 15:31	540
4452113 4452111	mc14_13TeV.204641.MadGraphPythia_AUET2BCTEQ6L1_SM_GG_onestepCC_1865_945_25.simul.e3313_a266 prod/simul MC14a AP_SUSY mehnhase JIRA RequestID:1147	registered		2014-11-25 16:08	11-25 15:31	130

Jobs → Production

ATLAS PanDA monitor Dashboards Tasks Jobs Errors Users Sites Incidents Search Prosys Services VO Help

PanDA jobs, last 12 hours (limit 6000 per table). Params: limit= All Generated 2014-11-25 16:39 UTC

16465 jobs in this selection

Job modification times in this listing range from 2014-11-25 16:39.

Job current priorities in this listing range from 120 to 140.

Group production

Job attribute summary Sort by count, alpha

atlasrelease (21)	Atlas-16.6.7 (440) Atlas-17.0.6 (1) 17.2.5 (2) Atlas-17.2.6 (12) Atlas-19.1.X.Y-VAL-AtlasDerivation (1) A	Event service Atlas-17.2.1 (2256) Atlas-17.2.10 (17) Atlas-17.2.11 (4357) Atlas-17.2.13 (38) Atlas-17.2.14 (53) Atlas-17.2.2 (1195) Atlas-17.3.10 (14) Atlas-17.5.0 (94) Atlas-17.7.3 (1210) Atlas-17.7.4 (1) Atlas-19.0.3 (174) Atlas-19.1.1 (786) Atlas-19.1.4 (196) Atlas-
attemptnr (25)	1 (11656) 2 (741) 3 (568) 4 (211) 5 (62) 6 (51) 7 (50) 8 (178) 9 (34) 10 (66) 11 (62) 12 (150) 13 (114) 14 (75) 15 (31) 16 (53) 17 (33) 18 (16) 19 (4) 20 (6) 21 (5) 22 (2) 23 (4) 24 (2) 27 (8)	Test
cloud (12)	CA (2011) CERN (83) DE (859) ES (592) FR (4720) IT (1635) ND (354) NL (2741) RU (18) TW (250) UK (1942) US (1260)	
workinggroup (24)	(265) AP_REPR (191) AP_SM (2349) AP_STDM (10) AP_Susy (7) AP_TAUP (5) AP_VALI (10) AP_Validation (815) GP_EXOT (40) GP_FTAG (14) GP_HIGG (3) GP_PHYS (151) GP_STDM (421) GP_SUSY (2) GP_TOPQ (220)	

job attribute summary

Job list Only the most recent 3000 jobs (sorted by PandalD) are shown. Remove the limit and sort by PandalD, ascending mod time, descending mod time, priority, attemptnr

PanDA ID Attempt#	Owner Group	Task ID	Transformation	Status	Created	Time to start d:h:m:s	Duration d:h:m:s	Mod	Cloud Site	Priority	Job info
2320823545 Attempt 1	sascha.mehihase@cern.ch AP_Btagging	1614778	AtlasG4_trf.py	pending	2014-11-25 16:39	0:0:00:09		11-25 16:39	NL	140	
Job name: mc12_8TeV.129407.Pythia8EvtGen_AU2CT10_jetlet_JZ7W.simul.e3304_s1469_tid01614778_010027.job #1											
Datasets: In: mc12_8TeV.129407.Pythia8EvtGen_AU2CT10_jetlet_JZ7W.evgen.EVNT.e3304_tid01614002_00 Out: mc12_8TeV.129407.Pythia8EvtGen_AU2CT10_jetlet_JZ7W.simul.HITS.e3304_s1469_tid01614778_01											
2320823544 Attempt 1	sascha.mehihase@cern.ch AP_Btagging	1614778	AtlasG4_trf.py	pending	2014-11-25 16:39	0:0:00:09		11-25 16:39	NL	140	
Job name: mc12_8TeV.129407.Pythia8EvtGen_AU2CT10_jetlet_JZ7W.simul.e3304_s1469_tid01614778_010026.job #1											
Datasets: In: mc12_8TeV.129407.Pythia8EvtGen_AU2CT10_jetlet_JZ7W.evgen.EVNT.e3304_tid01614002_00 Out: mc12_8TeV.129407.Pythia8EvtGen_AU2CT10_jetlet_JZ7W.simul.HITS.e3304_s1469_tid01614778_01											

Errors

this page shows

- plots of error distribution in time
- attribute summary of failing jobs
- error summary sorted by
 - error code
 - site
 - user
 - task ID and name

Errors

Errors → Production

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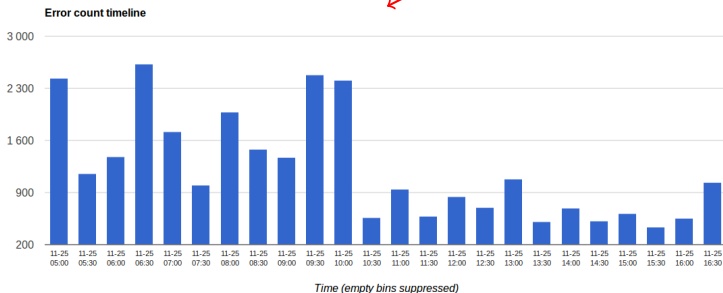
PanDA job error summary, last 12 hours (limit 6000 per table). Params: limit: All Generated 2014-11-25 16:59 UTC

29127 jobs found. Show jobs: [Failed and holding only](#) All
Sort by [count](#), [alpha](#)

Job modification times in this listing range from 2014-11-25 16:55

Go to [overall](#), [site](#), [user](#), [task](#) summary

All
Analysis
Production 16:55
rc_test



Errors

<https://twiki.cern.ch/twiki/bin/viewauth/AtlasComputing/PandaErrorCodes>

attribute summary of failing jobs

Error occurrences by job attribute

cloud (12)	CA (382) CERN (476) DE (1507) ES (392) FR (11434) IT (2400) ND (865) NL (1450) RO (108) TW (356) UK (2688) US (7069)
workinggroup (26)	AGI_T3_MCORF (55) AGI_T3_SIF (405) AMM_VERBUI (4) ANALY_CERN_SICR (3) ANALY_CPDM (3) ANALY_CSFS (11) ANALY_CVE (11) ANALY_EREBIBRG (20) ANALY_F711 (4) AP_BHphysics (2) AP_btagging (1086) AP_eGamma (4153) AP_EXU1 (1011) AP_Exotics (1051) AP_Generators (147) AP_HIGGS (2538) AP_Heavyion (31) AP_Higgs (232) AP_JetEMiss (148) AP_Physics (98) AP_REPR (115) AP_SM (8747) AP_STDM (4) AP_SUSY (166) AP_Susy (33) AP_TAUP (13) AP_VALI (6) AP_Validation (6886) GP_EXOT (6) GP_FTAG (57) GP_HIGG (5) GP_PHYS (148) GP_STDM (348) GP_SUSY (3) GP_TOPO (260)

Overall error summary

error summary sorted by error code

Category:code	Errors	Sample error description
ddm:101	10566	GUID for HITS.01498150_000066.pool.root.1 not found in DQ2
ddm:200	30	Could not add files to DDM: dq2.repository.DQRepositoryException.DQDatasetExistsException : [USER][OTHER] The dataset mct14_valid.158740.Pythia8_AUCTEQ6L1_DYtautau_2000M2250.simul.log.e2658_s1967_tid01600974_00_sub0191659342 already exists!
exe:-1	49	LRMS error: (271) SGE job state was Eqw. LRMS error message was: 11/25/2014 06:56:36 [10102:25834]: error: can't chdir to /home/atlasprod002: No such file or directory
exe:10010	72	ATH_COREDUMP "Core dump from CoreDumpSvc on acas1304.usatlas.bnl.gov at Tue Nov 25 11:52:33 2014" "Caught signal 11(Segmentation fault). Details:" "" "" Break "" "" segmentation violation"
exe:24	23	LRMS error: (24) Job exceeded time limit.
exe:61200	281	TRF_SVRINIT "Unable to read requested LHE file: events.lhe !!" "Pythia 8 initialisation will FAIL!" "" "" Unable to initialise Pythia !! "" "" "Could not initialize generator properly" "Unable to initialize Algorithm Pythia8" "Unable to ini
exe:69999	231	TRF_UNKNOWN "out of memory: saving summary ..." "Standard std::exception is caught" "std::bad_alloc" "Standard std::exception is caught" "std::bad_alloc" "Standard std::exception is caught" "std::bad_alloc"

Errors

<https://twiki.cern.ch/twiki/bin/viewauth/AtlasComputing/PandaErrorCodes>

transformation:6	3	TRF_SEGVIO - Segmentation violation
transformation:65	3	Non-zero exit code from transform substep executor
transformation:67	3	Transform substep executor timed out
transformation:74	5	Input file failed validation
transformation:9	14	Error found with transform input file
transformation:99	267	TRF_UNKNOWN - unknown transformation error

error summary sorted by error code

Site error summary		
	10171	Total errors in 10171 jobs. Finished: 0 Failed: 10171 % failed: 100 Holding: 0 Cancelled: 20
	10171	ddm:101 GUID for HITS.01230600_001647.pool.root not found in DQ2
AGLT2_MCORE	25	Total errors in 52 jobs. Finished: 90 Failed: 55 % failed: 37 Holding: 0 Cancelled: 0
	25	pilot:1201 Job killed by signal 15: Signal handler has set job result to FAILED, ec = 1201
AGLT2_SL6	408	Total errors in 495 jobs. Finished: 287 Failed: 470 % failed: 62 Holding: 25 Cancelled: 2
	274	jobdispatcher:100 lost heartbeat : 2014-11-24 22:56:07
	1	pilot:1187 Exception caught in runJob: Expecting object: line 135 column 26 (char 5184), Traceback (most recent call last): File "RunJob.py", line 1285, in <module> res, job, getstatusoutput_was_interrupted, current_job_number = runJob.executePayload(this
	131	pilot:1201 Job killed by signal 15: Signal handler has set job result to FAILED, ec = 1201
	2	transformation:1 Unspecified error, consult log file
AM-04-YERPHI	4	Total errors in 4 jobs. Finished: 30 Failed: 4 % failed: 11 Holding: 0 Cancelled: 2
	4	jobdispatcher:100 lost heartbeat : 2014-11-25 08:02:34
ANALY_CERN_SLC6	3	Total errors in 3 jobs. Finished: Failed: % failed: Holding: Cancelled:

Errors

	2	pilot:1137 (failed to remove file) Using grid catalog type: UNKNOWN Using grid catalog : (null) VO name: atlas Checksum type: None Destination SE type: SRMv2 Destination SRM Request Token: -1718484628 Source URL: file:/tmp/4169160.1.atlas-himem.q/condorg_N3wZsH
	13	pilot:1168 Get error: Too many/too large input files. Total file size 15390949229 B > 15032385536 B
	6	pilot:1187 Exception caught in runJob: Expecting object: line 135 column 26 (char 5119), Traceback (most recent call last): File "RunJob.py", line 1285, in <module> res, job, getstatusoutput_was_interrupted, current_job_number = runJob.executePayload(this
	6	pilot:1212 TRF_UNKNOWN "out of memory: saving summary ..." "Standard std::exception is caught" "std::bad_alloc" "Standard std::exception is caught" "std::bad_alloc" "Standard std::exception is caught" "std::bad_alloc"
wuppertalprod_MCORE	29	Total errors in 61 jobs. Finished: 81 Failed: 61 % failed: 42 Holding: 0 Cancelled: 0
	20	ddm:101 GUID for HITS.01498150_000066.pool.root.1 not found in DQ2
	9	pilot:1099 Get error: Staging input file failed

error summary sorted by site/queue

User error summary		
Carl.Bryan.Gwilliam@cem.ch	1041	Total errors
	1	exe:-1 Failed in data staging: Failed writing to destination: file:/users/hep/grid/session/EmkMDmvVGDIn13Rnamo7vSEmABFKDmABFKDmalNKDmABFKDmthYEcm/pilotcode.tar.gz : Can't write to destination: Permission denied: Failed to create file /users/hep/grid/session/EmkMDmvVGDIn13Rnamo7vSEmABFKDmABFKDmalNKDmABFKDmthYEcm/pilotcode.tar.gz: Failed in data staging: Failed writing to destination: file:/users/hep/grid/session/EmkMDmvVGDIn13Rnamo7vSEmABFKDmABFKDmalNKDmABFKDmthYEcm/ARCPilot-test.tar.gz : Can't write to
	799	jobdispatcher:100 lost heartbeat : 2014-11-24 22:56:07
	1	jobdispatcher:102 Sent job didnt receive reply from pilot within 30 min
	1	pilot:1008 Failed in data staging: Failed writing to destination: file:/users/hep/grid/session/EmkMDmvVGDIn13Rnamo7vSEmABFKDmABFKDmalNKDmABFKDmthYEcm/pilotcode.tar.gz : Can't write to destination: Permission denied: Failed to create file /users/hep/grid/session/EmkMDmvVGDIn13Rnamo7vSEmABFKDmABFKDmalNKDmABFKDmthYEcm/pilotcode.tar.gz: Failed in data staging: Failed writing to destination: file:/users/hep/grid/session/EmkMDmvVGDIn13Rnamo7vSEmABFKDmABFKDmalNKDmABFKDmthYEcm/ARCPilot-test.tar.gz : Can't write to
	8	pilot:1099 Get error: Staging input file failed

error summary sorted by user

Errors

		"Standard std::exception is caught" "std::bad_alloc"
	53	pilot:1213 Reached maximum batch system time limit
	148	transformation:10 ATH_FAILURE - Athena non-zero exit
	5	transformation:99 TRF_UNKNOWN - unknown transformation error
ttashiro	5	Total errors
	1	jobdispatcher:100 lost heartbeat : 2014-11-25 00:20:03
	4	pilot:1201 Job killed by signal 15: Signal handler has set job result to FAILED, ec = 1201
vanyash	1	Total errors
	1	transformation:251

error summary sorted by user

Task error summary		
taskid 1513850 mc12_valid.119996.Pythia8_A2MSTW2008LO_minbias_inelastic_high.simul.e1119_s1773.task		
16	Total errors in 16 jobs. Finished: 0 Failed: 51 % failed: 100 Holding: 0 Cancelled: 50	
16	jobdispatcher:100 lost heartbeat : 2014-11-25 02:30:27	
taskid 1598008 mc14_13TeV.200922.Sherpa_CT10_llvv.merge.e3213_s1982_s2008_r5787_r5853.task		
2	Total errors in 2 jobs. Finished: 15 Failed: 5 % failed: 25 Holding: 0 Cancelled: 0	
2	jobdispatcher:100 lost heartbeat : 2014-11-25 00:35:28	
taskid 1598016 mc14_13TeV.129285.Pythia8EvtGen_AU2CT10_jetjet_JZ5W_muifilter.merge.e2743_s1982_s2008_r5787_r5853.task		
4	Total errors in 3 jobs. Finished: 0 Failed: 9 % failed: 100 Holding: 0 Cancelled: 0	
2	jobdispatcher:100 lost heartbeat : 2014-11-24 22:33:02	

error summary sorted by task

Errors

How to check failing job

ATLAS PanDA monitor Dashboards ▾ Tasks ▾ Jobs ▾ Errors ▾ Users ▾ Sites ▾ Incidents ▾ Search Prodsys ▾ Services ▾ VO ▾ Help ▾

PanDA job error summary `jeditaskid=4454744` `jobtype=production`

Built 2014-11-26 12:34 UTC

45 jobs found. Show jobs: [Failed and holding only](#) [All](#)

link to the list of files

Sort by [count](#), [alpha](#)

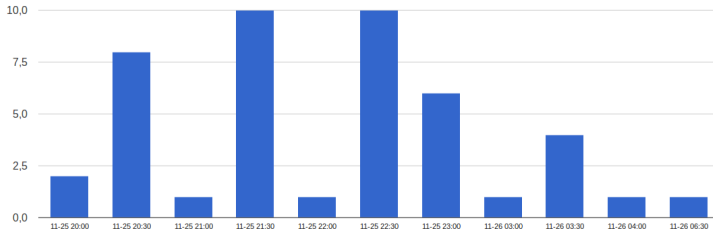
Job type: [production](#)

JEDI Task: [4454744](#) [mc12_8TeV.169715.PowhegPythia8_AU2CT10_tbH800_tb.evgen.e1532](#)

Job modification times in this listing range from 2014-11-26 12:34 to 2014-08-18 12:34

Go to [overall](#), [site](#), [user](#), [task](#) summary

Error count timeline



Errors

How to check failing jobs

ATLAS PanDA monitor Dashboards ▾ Tasks ▾ Jobs ▾ Errors ▾ Users ▾ Sites ▾ Incidents ▾ Search Prodsys ▾ Services ▾ VO ▾ Help ▾

PanDA jobs **jobstatus=failed/holding** hours=4320 llimit=999999 jedidtaskid=4454744 **jobtype=production** Built 2014-11-26 12:34 UTC

6 jobs in this selection
Job type: production
Job status: failed/holding
Task: 4454744 mc12_8TeV.169715.PowhegPythia8_AU2CT10_tbH800_tb.evgen.e1532

Job modification times in this listing range from 2014-11-25 22:47 to 2014-11-26 06:32.

Job current priorities in this listing range from 900 to 900. See priorityrange in the job attribute summary to see how priorities are distributed.

39 jobs were dropped from this listing because they were retried. Where there were retries, the latest retry job (only) is listed.

Dropped (retry):

2321064709 (2321208567) 2321064708 (2321202802) 2321064707 (2321198206) 2321064706 (2321198207) 2321064705 (2321194755)
2321060264 (2321068384) 2321060262 (2321069383) 2321060261 (2321069382) 2321029447 (2321064708) 2321029446 (2321064707)
2321029445 (2321064706) 2321029444 (2321060264) 2321029443 (2321060262) 2321029442 (2321060261) 2321029441 (2321048537)
2321022921 (2321064709) 2321022920 (2321064705) 2321017608 (2321053875) 2321008920 (2321017608) 2320983477 (2321022921)
2320983476 (2321029447) 2320983475 (2321029446) 2320983474 (2321029445) 2320983473 (2321029444) 2320983472 (2321029443)
2320983471 (2321029442) 2320983470 (2321029441) 2320983469 (2321022920) 2320976064 (2321008920) 2320963649 (2320983477)
2320963648 (2320983476) 2320963647 (2320983475) 2320963646 (2320983474) 2320963645 (2320983473) 2320963644 (2320983472)
2320963643 (2320983471) 2320963642 (2320983470) 2320963641 (2320983469) 2320963640 (2320976064)

jobs retries

Job attribute summary Sort by count, alpha

workinggroup (1) AP_HIGG (6)

job attribute summary

Job list Sort by PandaID, ascending mod time, descending mod time, priority, attemptnr

PanDA ID Attempt#	Owner Group	Task ID	Transformation	Status	Created	Time to start d:h:m:s	Duration d:h:m:s	Mod	Cloud Site	Priority	Job info
2321208567 Attempt 1	jzhong AP_HIGG	4454744	Generate_trf.py	failed	2014-11-26 04:00	0:2:14:31	0:0:01:46	11-26 06:32	FR UKI-NORTHGRID-LIV-HEP_SL6	900	Executable error 10510: ATH_JOP_NOTFOUND *IncludeError: include file...

Job name: mc12_8TeV.169715.PowhegPythia8_AU2CT10_tbH800_tb.evgen.e1532 #1

Datasets: In: group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1/
Out: mc12_8TeV.169715.PowhegPythia8_AU2CT10_tbH800_tb.evgen.EVNT.e1532_tid04454744_00

job details

jzhong AP_HIGG	4454744	Generate_trf.py	failed	2014-11-26 03:50	0:0:07:19	0:0:03:35	11-26 04:10	FR UKI-NORTHGRID-LANCS-HEP_VAC	900	Trf exit code 5. trans: Argument out of allowed range
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Errors

How to check failing jobs

PandalID	Owner WG	TaskID	Status	Created	Time to start d:h:m:s	Duration d:h:m:s	Modified	Cloud Site	Priority
2321208567	jzhong / AP_HIGG	4454744	failed	2014-11-26 04:00	0:2:14:31	0:0:01:46	11-26 06:32	FR UKI-NORTHGRID-LIV-HEP_SL6	900

Job name: mc12_8TeV.169715.PowhegPythia8_AU2CT10_tbH800_tb.evgen.e1532 type: evgen transformation: Generate_trf.py

Datasets: In: group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1/
Out: mc12_8TeV.169715.PowhegPythia8_AU2CT10_tbH800_tb.evgen.EVNT.e1532_tid04454744_00

Error description	exe: ATH_JOP_NOTFOUND "IncludeError: include file MC12.JobOptions/MC12.169715.PowhegPythia8_AU2CT10_tbH800_tb.py can not be found" trans: Unknown transexitcode error code
Execution error code	10510
Execution error message	ATH_JOP_NOTFOUND "IncludeError: include file MC12.JobOptions/MC12.169715.PowhegPythia8_AU2CT10_tbH800_tb.py can not be found"

This job is a descendent of upstream job(s), with relationship shown

2321064709:retry

Job information	logfiles	pilot job	stdout, stderr, batch log	logger records	child jobs
Jobset 1186					

8 job files					
Filename (Type)	Scope	Size (MB)	Status	Attempt (max)	Dataset
group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1_00010.tar.gz (input) Find creator job	group.phys-gener	1	ready	5 (5)	group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1/

links to the logfiles

link to input file details

link to input dataset details

How to check failing jobs - input dataset details

Dataset `group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1/`

ID	Type	Scope	Stream	Task	State	Status	Nfiles	Created	Modified
10809879	input		IN_GENERATOR	4448330	open	failed	80	2014-11-24 23:34	11-25 18:01

[Show files in dataset](#)**Dataset attributes**

attributes	of=0
cloud	
containername	group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1/
creationtime	Nov. 24, 2014, 11:34 p.m.
datasetid	10809879
datasetname	group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1/
destination	
jeditaskid	4448330
lockedby	
modificationtime	Nov. 25, 2014, 6:01 p.m.
nevents	0
neventstobeused	0

How to check failing jobs - input file details

 Occurrence of the file in job [2321208567](#)

 File [group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1_00010.tar.gz](#)

Scope	# events	Size (MB)	Created	GUID	ID
group.phys-gener	5000	1.80	2014-11-25 19:56	24790e51-6e9e-4388-9b12-29e7a14b5ad1	576188202

Occurrences of the file in processing (most recent jobs listed first)

Dataset	Task	Type	Job	First event	End event	Status	Attempt (max)
group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1/	4454744	input	2321208567	45001	4999	ready	5 (5)

File attributes (sample occurrence)

attemptnr	5
checksum	ad:c2a5a162
creationdate	Nov. 25, 2014, 7:56 p.m.
datasetid	10936771
datasetname	group.phys-gener.powheg.169696.tHpl_2HDM_M800_8TeV.TXT.mc12_v1/
ondevent	4999
fileid	576188202

Errors

How to check failing jobs - logs

- important log files - pilotlog.txt, athena_stdout.txt, and *.log

ATLAS PanDA monitor [Dashboards](#) [Tasks](#) [Jobs](#) [Errors](#) [Users](#) [Sites](#) [Incidents](#) [Search](#) [Prodsys](#) [Services](#) [VO](#) [Help](#)

PanDA filebrowser site=IN2P3-CC scope=mc12_8TeV lfn=log.04454744_000049.job.log.tgz.1 Built 2014-11-26 12:34 UTC

File lookup parameters

Scope	mc12_8TeV
LFN	log.04454744_000049.job.log.tgz.1
Site	IN2P3-CC
GUID	f7ab89e8-13b5-4041-9ed0-d1d22cee4504

File listing

Modification time	Size [B]	File
Wed Nov 26 06:15:53 2014	0	athena_stderr.txt
Wed Nov 26 06:16:06 2014	69736	athena_stdout.txt
Wed Nov 26 06:16:06 2014	18935	Generate.log
Wed Nov 26 06:16:01 2014	349	Generate_runathena
Wed Nov 26 06:16:00 2014	470	inputDictionary.pickle
Wed Nov 26 06:15:46 2014	1607	job_setup.sh
Wed Nov 26 06:16:06 2014	98749	jobInfo.xml
Wed Nov 26 06:16:06 2014	98749	jobInfo_Generate.xml
Wed Nov 26 06:16:06 2014	35890	jobReport.gpickle
Wed Nov 26 06:16:06 2014	98449	jobReport.pickle

link to athena_stdout.txt

Errors

How to check failing jobs - log

```
Py:ConfigurableDb INFO No duplicates have been found: that's good !
Shortened traceback (most recent user call last):
  File ~/cvafs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.5/AtlasProduction/17.2.5.2/InstallArea/jobOptions/EvgenJobTransforms/skeleton.GENtoEVGEN.py, line 89, in <module>
    include(fragment)
IncludeError: include file MC12JobOptions/MC12_169715.PowhegPythia8_AU2CT10_tBH800_tb.py can not be found
Py:Athena INFO leaving with code 2: "an error occurred when including a file"
INFO: read 119 error categories from file /cvafs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.5/AtlasCore/17.2.5/InstallArea/share/atlas_error_categories.db
/cvafs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.5/AtlasCore/17.2.5/InstallArea/share/bin/athena.py -b runargs.Generate.py EvgenJobTransforms/skeleton.GENtoEVGEN.py Generate_messageSvc_job
Py:Generate INFO Generate has completed running of Athena with exit code 2.
INFO: read 119 error categories from file /cvafs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.5/AtlasCore/17.2.5/InstallArea/share/atlas_error_categories.db
INFO: read 59 error patterns from file /cvafs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.5/AtlasCore/17.2.5/InstallArea/share/atlas_error_patterns.db
INFO: read 61 ignore patterns from file /cvafs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.5/AtlasCore/17.2.5/InstallArea/share/atlas_error_ignore.db
AthenaLogChecker start [Generate log] wall-time: Wed Nov 26 06:16:06 2014 GMT, vmem: 110.17578125 Mb, rss: 55.33203125 Mb
Py:Generate INFO Scanning athena logfile Generate.log assuming ATLAS release ALL.17.2.5.2 ...
Py:Generate INFO Athena initialise()...
Py:Generate INFO Done scanning 443 lines of file Generate.log. Summary:
Py:Generate INFO Ignored : 0
Py:Generate INFO Warnings : 0
Py:Generate INFO Errors : 0
Py:Generate INFO FATALs : 1
AthenaLogChecker stop [Generate log] wall-time: Wed Nov 26 06:16:06 2014 GMT, vmem: 110.17578125 Mb, rss: 55.359375 Mb
AthenaLogChecker report [Generate log] wall-time: 00 hrs 00 mins 00 secs, cpu-time: 00 hrs 00 mins 00 secs, vmem: 0.0 Mb, rss: 0.02734375 Mb
Py:Generate INFO JobTransform completed for Generate with error code 10510 (exit code 5)
Py:Generate INFO Transform Timer stop [Generate] wall-time: Wed Nov 26 06:16:06 2014 GMT, vmem: 110.17578125 Mb, rss: 55.4453125 Mb
Py:Generate INFO Transform Timer report [Generate] wall-time: 00 hrs 00 mins 06 secs, cpu-time: 00 hrs 00 mins 04 secs, vmem: 0.4921875 Mb, rss: -19.59765625 Mb
----- Job Report produced by Generate version unknown -----
Command~/cvafs/atlas.cern.ch/repo/sw/software/i686-slc5-gcc43-opt/17.2.5/AtlasProduction/17.2.5.2/InstallArea/share/bin/Generate_trf.py inputGeneratorFile=group.phys-gener.powheg.169696.tbl1_ZHDM_M800_1
ExitCode=5
ErrorCode=10510 (ATH_JOP_NOTFOUND)
ErrorCategory=ATH_JOP_NOTFOUND, 10510, JobOptions file not found
Fatal=1
Errors=0
Warnings=0
ErrorInfo
  acronym=ATH_JOP_NOTFOUND (10510) JobOptions file not found
message=IncludeError: include file MC12JobOptions/MC12_169715.PowhegPythia8_AU2CT10_tBH800_tb.py can not be found
severity=FATAL
  producer=Generate
  stage=initialise
WorkDir=/data/condor_pool/dir_4388/condorg_6ePRFMTA/pilot3/Panda_Pilot_6073_1416982491/PandaJob_2321208567_1416982493
athCode=2
RunDir=AvailableDisk=256737628160
DBRelease=current
athAcronym=an error occurred when including a file
RunDirUsedDisk=18665791
AtlasRelease=17.2.5.2
Writing jobInfo_Generate.xml file...
```

keywords: error, failed, core dump, segmentation, ...

Users → Usage stats view

- number of jobs, CPU usage

ATLAS PanDA monitor Dashboards ▾ Tasks ▾ Jobs ▾ Errors ▾ **Users ▾** Sites ▾ Incidents ▾ Search Prodsys ▾ Services ▾ VO ▾ Help ▾

Recent PanDA users, last 90 days, limit 6000 per table. Params: limit=6000 view=databse Usage stats view Built 2014-11-26 14:13 UTC

Usage stats

Dynamic view

Job count for the last 7 days: 2214416 Users in last 3 days: 9 7: 20 30: 47 90: 787 Users with >1000 jobs: 171 >10k: 40

Recent users						
User	nJobs	Latest	Personal CPU-hrs 1 day	Personal CPU-hrs 7 days	Group CPU-hrs 1 day	Group CPU-hrs 7 days
Benjamin Henry Hooberman		2014-11-25 21:06				
David Kirchmeier		2014-11-25 12:48	0.0	0.0		
KOZAKAI Chihiro		2014-11-25 10:45	0.0	0.0		
Robert Graham Reed		2014-11-24 15:46				
Denys Denysiuk		2014-11-24 14:43	26.3	28.5		
Arnaud Dubreuil		2014-11-24 10:17				
Olga Rezanova		2014-11-24 09:54	2.1	164.1		
harry moss		2014-11-24 09:49	0.0	0.0		
Lydia Audrey Beresford		2014-11-24 09:46		0.0		
Claudia Ciocca		2014-11-21 16:37		0.4		
mark pickering		2014-11-21 14:13		0.0		
Natalia Zakharchuk		2014-11-21 13:46		7.8		

Users → Dynamic view

- jobs stats

ATLAS PanDA monitor Dashboards ▾ Tasks ▾ Jobs ▾ Errors ▾ **Users ▾** Sites ▾ Incidents ▾ Search Prodsys ▾ Services ▾ VO ▾ Help ▾

Recent PanDA users, last 12 hours, limit 5000 per table. Params: limit=5000 view=dynam Usage stats view Built 2014-11-26 14:13 UTC

Job **modification times** in this listing range from **2014-11-26 13:26** to **2014-11-26 14:13**.
 Job **current priorities** in this listing range from **-8592** to **10000**. See priorityrange summary to see how priorities are distributed.

Recent job attribute summary

(0)

(0)

161 recent users, ordered by most recent jobs

User	Latest PandaID	Latest mod time	nJobs	nFinished	nFailed	nHolding	nCancelled	nQueued	nSites	nClouds	CPU
Christian Ohm	2321429984	2014-11-26 14:13	8	3	0	0	0	5	3	4	2396
Phillipp Tepel	2321429983	2014-11-26 14:13	332	5	67	31	0	183	27	12	770
Duc Bao Ta	2321429982	2014-11-26 14:13	652	219	8	12	53	291	23	10	309722
Haonan Lu	2321429981	2014-11-26 14:13	121	51	0	7	0	41	21	8	23650
Peter Steinberg	2321429979	2014-11-26 14:13	277	0	0	3	0	257	6	4	271
Archil Durglishvili	2321429977	2014-11-26 14:13	110	25	6	8	0	5	12	5	129873
gangarbt	2321429974	2014-11-26 14:13	520	284	26	41	0	29	184	12	228046
Elizabeth Brost	2321429973	2014-11-26 14:13	10	1	2	4	0	1	3	3	89660
nicolas gutierrez	2321429972	2014-11-26 14:13	51	33	1	0	7	8	9	7	50615

User details

- attributes, tasks, jobsets, jobs details

User page for [Michal Svatos](#) Please read (and keep an eye on) the [help section below](#) to familiarize yourself with using the monitor in JEDI based analysis.

Stats from the user DB (updated every few hours)						
User	Jobs in last week	Latest job in the DB stats	Personal CPU-hrs - 1 day	Personal CPU-hrs - 7 days	Group CPU-hrs - 1 day	Group CPU-hrs - 7 days
Michal Svatos	21	2014-09-25 00:54	0.0	423.6	0.0	0.0

Jump to recent [tasks](#) [jobsets](#) [jobs](#)

Task attribute summary, 11 tasks	
corecount (1)	1 (11)
processingtype (2)	ganga-6-0-40-hotfix1-jedi-run (7) panda-client-0.5.38-jedi-run (4)
status (3)	aborted (5) done (5) finished (1)
taskpriority (1)	1000 (11)
tasktype (1)	analy (11)
transpath (1)	runGen-00-00-02 (11)
username (1)	Michal Svatos (11)

11 tasks, sorted by jedidtaskid									
ID Parent	Jobset	Task name TaskType/ProcessingType Campaign Group User Logged status	Task status Nfiles	Input files finish% fail% Nfinish Nfail	Modified	State changed	Priority		
4459263	32462	user.msvatos.data12.NTUP_COMMON.pj.ruclotest4/anal/panda-client-0.5.38-jedi-run Michal Svatos	done 39	100% 39	2014-11-26 10:13	11-26 10:13	1000		

Sites

GLASGOW_SL6 UKI-SOUTHGRID-BHAM-HEP_SL6 UKI-SOUTHGRID-CAM-HEP_MCORE UKI-SOUTHGRID-CAM-HEP_SL6 UKI-SOUTHGRID-OX-HEP_MCORE UKI-SOUTHGRID-OX-HEP_SL6 UKI-SOUTHGRID-OX-HEP_YAC UKI-SOUTHGRID-RALPP_MCORE UKI-SOUTHGRID-RALPP_SL6 UKI-SOUTHGRID-SUSX_MCORE UKI-SOUTHGRID-SUSX_SL6 UNI-FREIBURG UNI-FREIBURG_MCORE pic_HIMEM pic_MCORE praguekg2 wuppertalprod wuppertalprod_HI wuppertalprod_MCORE									
BNL_PROD	online	end.BNLnetwork.downtime.16.Dec 2014-10-23 09:35	cloud info	8/4	BNL-OSG2_DATADISK.BNL-OSG2_DATATAPE.BNL-OSG2_MCTAPE.BNL-OSG2_HOTDISK.BNL-OSG2_DET-*.BNL-OSG2_PERF-*.BNL-OSG2_PHYS-*.BNL-OSG2_TRIG-*	135	11-26 09:54		
US	<p>MCP sites (home cloud sites in bold): AGLT2_MCORE AGLT2_SL6 ANALY_AGLT2_SL6 ANALY_BNL_CLOUD ANALY_BNL_LONG ANALY_BNL_MCORE ANALY_BNL_SHORT ANALY_BU_ATLAS_Tier2_SL6 ANALY_CONNECT ANALY_CONNECT_SHORT ANALY_HU_ATLAS_Tier2 ANALY_MWT2_SL6 ANALY_OU_OCHEP_SWT2 ANALY_SLAC ANALY_SWT2_CPB ANALY_UCSC ARNES Australia-ATLAS Australia-ATLAS_MCORE BNL_ATLAS_2 BNL_ATLAS_DOM BNL_CLOUD BNL_CLOUD_MCORE BNL_PROD BNL_PROD_MCORE BU_ATLAS_Tier2_MCORE BU_ATLAS_Tier2_SL6 CA-MOGILL-CLUMEG-T2 CA-MOGILL-CLUMEG-T2_MCORE CA-SCINET-T2 CA-SCINET-T2_MCORE CA-VICTORIA-WESTGRID-T2 CA-VICTORIA-WESTGRID-T2_MCORE CERN-P1_MCORE CERN-PROD_CLOUD_MCORE CONNECT CONNECT_CLOUD CONNECT_MCORE GPPM_MCORE CSCS-LCG2_MCORE CSCS-TODI DESY-HH_MCORE DESY-ZN FZK-LCG2_HI FZK-LCG2_MCORE GoeGrid HU_ATLAS_Tier2 HU_ATLAS_Tier2_MCORE IAAS IAAS_MCORE IFAE_MCORE IFIC_MCORE IN2P3-CC IN2P3-CC-T2 IN2P3-CC_HIMEM IN2P3-CC_MCORE INFN-FRASCATI_MCORE INFN-MILANO-ATLAS_MCORE INFN-NAPOLI-ATLAS_MCORE INFN-NAPOLI-RECAS_MCORE INFN-ROMA1_MCORE INFN-ROMA3_MCORE INFN-T1 INFN-T1_MCORE LPC_MCORE LPSC_MCORE LRZ-LMU LRZ-LMU_MUC_MCORE Lucille_CE Lucille_MCORE MPPMU MWT2_MCORE MWT2_SL6 NIKHEF-ELPROD_MCORE OU_OCHEP_SWT2 OU_OCHEP_SWT2_Install OU_OSCER_ATLAS OU_OSCER_ATLAS_MCORE OU_OSCER_ATLAS_OPP RAL-LCG2_MCORE RAL-LCG2_SL6 ROMANIA07_MCORE SARA-MATRIX_MCORE SFU-LCG2 SLACKRD SLACKRD_LMEM SLACKRD_MP8 SWT2_CPB SWT2_CPB_MCORE SIGNET_MCORE TOKYO_HIMEM TOKYO_MCORE TRIUMF TRIUMF_HIMEM TRIUMF_MCORE Taiwan-LOG2 Taiwan-LOG2_HIMEM Taiwan-LOG2_MCORE UAM-LOG2_MCORE UIO_MCORE UKI-NORTHGRID-OMUL_MCORE UKI-NORTHGRID-LIV-HEP_MCORE UKI-NORTHGRID-MAN-HEP_MCORE UKI-SCOTGRID-GLASGOW_MCORE UNI-FREIBURG_MCORE UTA_SWT2 UTA_SWT2_MCORE pic_HIMEM pic_MCORE praguekg2 wuppertalprod wuppertalprod_HI wuppertalprod_MCORE</p>								

Site attribute summary	
allowdirectaccess (2)	False (489) True (60)
allowfax (2)	False (43) True (506)
category (4)	analysis (213) multicloud (150) production (294) test (76)
cloud (13)	CA (40) CERN (30) DE (69) ES (20) FR (50) IT (48) ND (27) NL (39) OSG (18) RU (6) TW (10) UK (78) US (114)
comment_field (49)	"" (1) 31637 (1) 43245 (1) Change.Queue.Name (1) Debug.CE.overload (2) Decommissioned (2) Do.Not.Set.Online (37) ELOG.32521 (1) HC.Blacklist.set.online (266) HC.Blacklist.set.test (10) HC.Test.Me (26) HCTesting (1) HLT.repro (1) Manual.Testing (1) Mcore.Tests.OK (2) New.Queue (1) None (25) NotInUse (1) Retiring.leave.off (1) Set.brokeroff (1) Site.Test.Queue (3) THE.ELOG.NUMBER.14893 (1) Test.Queue.Should.Be.Left.Test (3) TestComment (1) Testing (1) To.Be.Decommissioned (1) To.Be.Decommissioned (1) all.ok.ADG.20140819 (3) checkDirctIO (1) do.not.set.online (2) done.by.AndreuPacheco (1) eLog.31637 (9) eLog.46661 (1) eLog.28951 (2) eLog.33686 (1) eLog.49116 (1) end.of.US.LFC.downtime (1) for tests with HPC at NERSC (1) leave.it.to.test (1) misconfig (5) only (1) overruling HC test (1) set queue to broker off (1) set.offline.by.Switcher (6) start.BNL.downtime.16.Dec (9) stay.broker.off (1) test.only (4) to.remain.brokeroff.do.not.set.online (3)
copytool (12)	BNLdcp (12) cp (11) gfal-copy (2) lcg-cp2 (28) lcgcp (10) lcgcp2 (341) lsm (67) mv (41) storm (2) xcp (6) xrdcp (21)

Sites

region (29)	Armenia (4) Australia (6) Austria (4) BELGI (26) Canada (32) Chile (4) China (2) Czechia (7) France (36) GR (2) Germany (41) Holland (16) Israel (9) Italy (42) Japan (9) Nordugrid (34) Poland (5) Portugal (2) Romania (7) Russia (19) SlovakR (4) Spain (16) Switzerland (5) Taiwan (10) Turkey (2) UK (77) US (131) ZA (4)
retry (2)	False (472) True (77)
status (4)	brokeroff (84) offline (59) online (326) test (80)
tier (6)	T0 (18) T1 (134) T2 (95) T2D (215) T3 (80) T3D (7)
timefloor (14)	None (394) 0 (16) 20 (9) 30 (39) 40 (5) 45 (4) 60 (37) 90 (7) 120 (31) 180 (2) 240 (1) 360 (1) 480 (1) 960 (2)

site attribute summary

Sites (PanDA resources)								
PanDA resource Queue name (where different)	GOC site name	Cloud	Status	Tier	Max mem (MB)	Max time (hr)	Multicloud	Comment
AGLT2_MCORE AGLT2_MCORE-condor	AGLT2	US	online	T2D	33500	71.9	CA,FR,NL,TW,CA,DE,ND,IT,US,UK,ES	
AGLT2_SL6 AGLT2_SL6-condor	AGLT2	US	online	T2D	4100	71.9	NL,IT,CA	HC.Blacklist.set.online
AGLT2_TEST AGLT2_TEST-condor	AGLT2	US	online	T2D	4100		CA,DE	
AM-04-YERPHI prod-ce-yerphi-cluster-grid-am	AM-04-YERPHI	NL	online	T3	3800	96.0		HC.Blacklist.set.online
ANALY_AGLT2_SL6 ANALY_AGLT2_SL6-condor	AGLT2	US	online	T2D	4100	71.9		HC.Blacklist.set.online
ANALY_AGLT2_TIER3_TEST ANALY_AGLT2_TIER3_TEST-condor	AGLT2	US	offline	T2D	4100	71.9		
ANALY_AM-04-YERPHI	AM-04-YERPHI	NL	brokeroff	T3		48.0		Manual.Testing
ANALY_ANLASC	ANLASC	US	brokeroff	T3				

Site check

ATLAS PanDA monitor Dashboards Tasks Jobs Errors Users Sites Incidents Search Prodsys Services VO Help

PanDA resource AGLT2_SL6 Built 2014-11-26 14:48 UTC

AGLT2_SL6 information	
GOC name	AGLT2
Queue (nickname)	AGLT2_SL6-condor
Status	online
Comment	HC.Blacklist.set.online
Cloud	US
Multicloud	NL,IT,CA
Tier	T2D
DDM endpoint	AGLT2_PRODDISK
Maximum memory	4.1 GB
Maximum time	71.9 hours
Space	287 TB as of 11-26 09:54
Last modified	2013-06-10 20:46

job distribution on worker nodes
jobs on the PanDA resource
error page of the PanDA resource
brokerage logs
pilot factory monitoring
site status board
eLogs mentioning the site
DDM transfers to the site

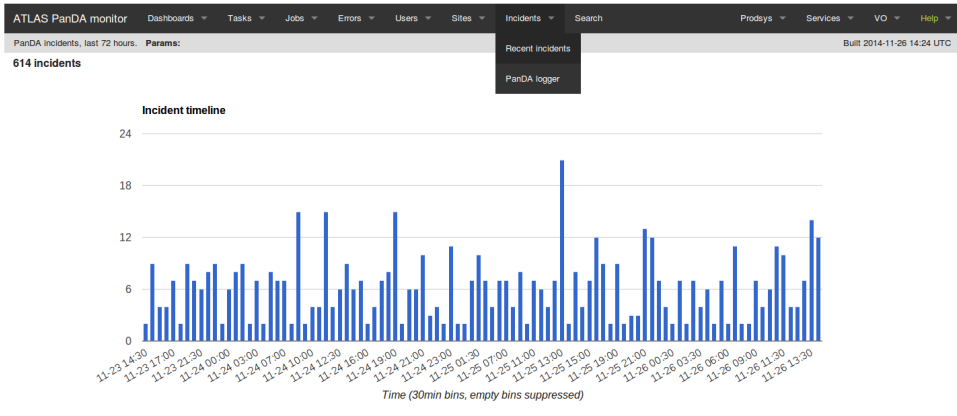
View: [worker nodes](#) [jobs, job errors](#) [brokerage actions](#) [pilots](#) [Site status board](#) [elogs](#) [DDM source destination](#)

Incidents over the last month		
2014-11-18 13:31	setonline: queue=AGLT2_SL6-condor DN=gangarbi	HC.Blacklist.set.online

Incidents

Incidents → Recent incidents

- queues manipulation



catennov

type (1) queuecontrol(614)

summary

Recent Incidents

2014-11-26 14:04 setonline: queue=ZA-UJ-glite-ce-pbs DN=gangarbt HC.Blacklist.set.online

2014-11-26 14:04 setmanual: queue=ZA-UJ-glite-ce-pbs DN=qanqarbt HC.Blacklist.set.manual

recent incidents

Incidents

Incidents → PanDA logger

- brokerage logs

ATLAS PanDA monitor

Dashboards ▾

Tasks ▾

Jobs ▾

Errors ▾

Users ▾

Sites ▾

Incidents ▾

Search

Prodsys ▾

Services ▾

VO ▾

Help ▾

PanDA logger, last 24 hours. Params:

Built 2014-11-26 14:24 UTC

Recent Incidents

PanDA logger

View recent

errors

, warnings

831183 logger entries

Category	Type	Level(count)
panda.mon.bamboo	submit	info(9810)
panda.mon.bamboo	taskbrokerage	debug(4244) info(459) warning(402)
panda.mon.bamboo	update	info(143)
panda.mon.deftcore	action	info(9)
panda.mon.deftcore	service	error (3)
panda.mon.dev	brokerage	warning(2)
panda.mon.dev	pilotLog	info(1)
panda.mon.dev	reassignJobs	info(1)

Search

on a main page or search page

Search	
PanDA job ID or name	<input type="text"/> <input type="button" value="Submit"/>
Batch ID	<input type="text"/> <input type="button" value="Submit"/>
Task ID	<input type="text"/> <input type="button" value="Submit"/>
Task name	<input type="text"/> <input type="button" value="Submit"/>
Tasks for campaign	<input type="text"/> <input type="button" value="Submit"/>
Tasks for project	<input type="text"/> <input type="button" value="Submit"/>
Tasks for tag	<input type="text"/> <input type="button" value="Submit"/>
Tasks for stream	<input type="text"/> <input type="button" value="Submit"/>
Site	<input type="text"/> <input type="button" value="Submit"/>
User	<input type="text"/> <input type="button" value="Submit"/>
Dataset	<input type="text"/> <input type="button" value="Submit"/>
File	<input type="text"/> <input type="button" value="Submit"/>
Stalled jobs	in <input type="text" value="defined"/> for over <input type="text"/> hours <input type="button" value="Submit"/>
Stalled tasks	in <input type="text" value="registered"/> for over <input type="text"/> hours <input type="button" value="Submit"/>

job ID (e.g. 2316995371)

batch ID (e.g. 1718606.cc-
mgmt1.campuscluster.illinois.edu)

task ID (e.g. 4420250)

task name (wildcards support) (e.g.
mc14_13TeV.148273.MadGraphPythia_
AUET2BCTEQ6L1_SM_GG_onestepCC_
1185_785_385.evgen.e3297)

campaign of tasks (e.g. MC14a)

project of tasks (e.g. mc, data, valid, ...)

tag of tasks (e.g. e3297)

stream of tasks (e.g. MadGraphPy-
thia_AUET2B_CTEQ6L1_pMSSM_hEW_
7938970_EMuFilter)

Search

on a main page or search page

Search	
PanDA job ID or name	<input type="text"/> <input type="button" value="Submit"/>
Batch ID	<input type="text"/> <input type="button" value="Submit"/>
Task ID	<input type="text"/> <input type="button" value="Submit"/>
Task name	<input type="text"/> <input type="button" value="Submit"/>
Tasks for campaign	<input type="text"/> <input type="button" value="Submit"/>
Tasks for project	<input type="text"/> <input type="button" value="Submit"/>
Tasks for tag	<input type="text"/> <input type="button" value="Submit"/>
Tasks for stream	<input type="text"/> <input type="button" value="Submit"/>
Site	<input type="text"/> <input type="button" value="Submit"/>
User	<input type="text"/> <input type="button" value="Submit"/>
Dataset	<input type="text"/> <input type="button" value="Submit"/>
File	<input type="text"/> <input type="button" value="Submit"/>
Stalled jobs	in <input type="text" value="defined"/> for over <input type="text"/> hours <input type="button" value="Submit"/>
Stalled tasks	in <input type="text" value="registered"/> for over <input type="text"/> hours <input type="button" value="Submit"/>

site name (e.g. CONNECT)

user name (e.g. mehlhase)

dataset name (e.g.

data12_8TeV.00204240.physics_Muons.

merge.DAOD_HIGG2D4.r5724_p1751_

p1784_tid04419454_00)

file name (e.g.

EVNT.04420250._000012.pool.root.1)

job stuck in state more than N hours

task stuck in state more than N hours

Others

Prodsys

- for production managers
- create task, manage task, request, ...

Services

- links to other monitoring
- pilot factory, DDM dashboard, classic panda, ADC monitoring, ...

VO

- ATLAS, BigPAnda, ...

Help

URL tricks

Range of displayed info can be changed by additional URL parameters (see <http://bigpanda.cern.ch/help/>)

limits

- `&limit=N` (N jobs loaded from DB)
- `&display_limit=N` (display N jobs)

time depth

- `&hours=N` or `&days=N` (last N hours/days - use carefully, the load on the DB is heavy for days greater than 3)
- `&earlierthan=Nhours` or `&earlierthandays=Ndays`
- `&date_from=2014-10-01 &date_to=2014-10-03`

The End

`http://bigpanda.cern.ch`