

“Controller” migration (Panda Controller)

How to set a PandaQueue/PandaResource
online/offline/brokeroff/test

Reminder

We are still using “PINKPANDA” to change status of PandaQueue/PandaResources

E.g.

```
-bash-4.1$ curl --capath /etc/grid-security/certificates --cacert $X509_USER_PROXY --cert  
$X509_USER_PROXY
```

[https://panda.cern.ch:25943/server/controller/query?tpmes=setoffline&queue=CERN-EXTENSION_MCORE
&comment=testing.switchoff](https://panda.cern.ch:25943/server/controller/query?tpmes=setoffline&queue=CERN-EXTENSION_MCORE&comment=testing.switchoff)

We want to have an “aggregated” view (and possibility to act) for sites. In AGIS we have already the DDM status, now we will have also the PanDA status.

The new implementation in AGIS is more flexible and allows independent agents to set substatus of the queues, preventing conflicts between agents.

Panda blacklist view in AGIS

atlas-agis.cern.ch/agis/pandablacklisting/list/

ATLAS Grid Information System

RC Site ATLASite DDMEndpoint PANDA Queue Service Central Services DDM Groups PANDA blacklisting data Docs TWiki OLD

Prioritized list of probes: manual (A) switcher (A) hammercloud (A)
State values: OFFLINE TEST BROKEROFF ONLINE

Experiment Site	PandaQueue	Status
AGLT2	ANALY_AGLT2_TEST_SL6-condor	hammercloud
	ANALY_AGLT2_TIER3_TEST-condor	manual
AM-04-YERPHI	AM-04-YERPHI	manual
	ANALY_AM-04-YERPHI	manual
ANLASC	ANALY_ANLASC	manual
	ANALY_ANLASC_Argo	manual [ACTIVE]
	ANALY_ANLASC_T3Test	manual
ARGO	ANLASC	manual
	ARGO_ANLASC	manual
	ARGO_Cori	manual
	ARGO_Edison	manual
Arizona	ARGO_Mira	manual
	ANALY_Arizona	manual
Australia-ATLAS	ANALY_AUSTRALIA_TEST	manual
BEIJING-LCG2	BEIJING-ERA_MCORE	manual
	BEIJING-PI_MCORE	manual
BNL-ATLAS	ANALY_BNL_SE_Test-condor	manual
	ANALY_BNL_T3-condor	manual
	ANALY_BNL_Test_2_CE_1-condor	hammercloud
	ANALY_NERSC	manual

<http://atlas-agis.cern.ch/agis/pandablacklisting/list/>

Documentation: TWiki | GET API doc | POST API doc

PandaBlacklisting HOWTO (Instructions for Shifters)

0. Make sure that you have required permissions granted in AGIS: *PANDA-ADMIN* or *ATLAS-FULL*. If not then do Request ADMIN privileges.
PQ status can be changed either from shell console using CURL command or directly from Web browser by opening special page.

Change PQ status from console (using CURL):

1. Initialize X509 proxy environment (at the moment only full legacy globus proxy is accepted)

```
$ voms-proxy-init -voms atlas --old # create proxy  
$ export X509_USER_PROXY=/tmp/x509up_uXXXXXXX ## setup environment to point
```

Accepted URI parameters:

- pandaqueue:** name of PandaQueue for which status will be changed
- site** (optional): ATLASite name, to blacklist all PQs for given site
- value:** status value, possible values=[ONLINE, OFFLINE, TEST, BROKEROFF, AUTO]
- reason:** comment message (spaces should be replaced by '+')
- probe:** type of issuer. Should be 'manual' for CLI

Return codes:

For successful operation AGIS returns following message (code=200 or code=304):
Code=200 means that database has been successfully updated while code=304 indicates that no changes need to be applied (not modified)

Return code: 200. Status of Panda queue "NAME OF PANDAQUEUE" was set to

The PLAN

- Danila will put the elog this evening: draft down here, suggestions welcome
- Ale will send a mail to users with the elog text. List of users below. Plus adscops, adscdev, cloudall.
- On Monday February 6 10am we do the switch. A short period (1h) of unavailability of changing status of PQ/PR is to be foreseen.

Draft ELOG:

Monday, February 6, 2017. Policy for managing the status of PanDA queues will be changed. Status of PanDA queue will be managed through AGIS and populated to schedconfig and other ATLAS services from AGIS.

Old tool for managing PanDA queues ('<http://panda.cern.ch:25880/server/pandamon/query?>') will be switched off, and later decommissioned. Instead the new AGIS centralized blacklisting should be used. Detailed instructions of the new tool can be found on AGIS PanDA blacklisting data web page: <http://atlas-agis.cern.ch/agis/pandablacklisting/list/>

In case of issues with the new service, please contact atlas-adc-agis <atlas-adc-agis@cern.ch> and "atlas-adc-panda-support (Support forum for the Panda system.)" <atlas-adc-panda-support@cern.ch>

Users

LAST MONTH

Petr Vokac: 1
Ryan Taylor: 1
Alessandro Di: 2
Andreu Pacheco: 2
Asoka De: 3
Shaojun Sun: 3
peter love: 3
Francesco Sciacca: 4
Wei Yang: 5
Pavol Strizenec: 6
alessandra forti: 7
adcspb02 : 8
Michal Svatos: 9
Gen Kawamura: 10
andrew washbrook: 12
elena korolkova: 15
Rodney Walker: 36
Emmanouil Vamvakopoulos: 38
David Lesny: 71

LAST 6 MONTHS

Petr Vokac: 1
Luc Poggioli: 2
Alessandro Di: 3
David Cohen: 3
Helmut Wolters: 3
Ryan Taylor: 3
Shaojun Sun: 3
John Raymond: 4
Wei Yang: 5
Pavol Strizenec: 6
David Cameron: 8
Lorenzo Rinaldi: 8
Wen Guan: 8
Xin Zhao: 8
Jose Caballero: 9
Tomas Kouba: 10
Andreu Pacheco: 16

Horst Severini: 17
Michal Svatos: 17
Sabine Crepe-Renaudin: 17
alessandra forti: 17
Andrej Filipcic: 19
Saul Youssef: 19
peter love: 20
Ilya Lyalin: 21
Francesco Sciacca: 23
andrew washbrook: 23
Daniel Caunt: 24
elena korolkova: 32
Gen Kawamura: 33
ShaoTing Cheng: 35
Ivan Glushkov: 68
Asoka De: 70
Emmanouil Vamvakopoulos: 78
adcspb02 : 82
Rodney Walker: 152
David Lesny: 162