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cmssrv219

Agent tweaks

- AgentStatusWatcher disabled ==> OK
- All sites enabled ==> OK

```
UPDATE wmbs_location SET state=(SELECT id from wmbs_location_state where name='Normal') WHERE sta
UPDATE wmbs_location SET running_slots=2000, pending_slots=1000;
UPDATE rc_threshold SET max_slots=2000, pending_slots=1000;
```

- Set maxRetries to 0 ==> OK
- Run PhEDEXFix ==> NOPE

Jobs in Condor

```
[cmsdataops@cmssrv219 current]$ condorq
[cmsdataops@cmssrv219 current]$
```

Jobs ordered by status

```
SQL> select wmbs_job_state.name, count(*)
from wmbs_job
join wmbs_job_state on (wmbs_job.state = wmbs_job_state.id)
group by wmbs_job.state, wmbs_job_state.name;
+-----+-----+
| name      | count(*) |
+-----+-----+
| cleanout  |         2 |
+-----+-----+
1 row in set (0.00 sec)
```

Workflows in the System

```
MariaDB [wmagent]> SELECT DISTINCT name from wmbs_workflow;
+-----+-----+-----+
| name                                                                 |      |
+-----+-----+-----+
| jen_a_ACDC_HIG-RunIISpring16DR80-01778_00601_v0__160818_110237_9792 | aborted
| prozober_ACDC_task_HIG-RunIISpring16DR80-01626_v1_T_160808_121300_6940 | announced
+-----+-----+-----+
2 rows in set (0.00 sec)
```

Workflows not fully injected

```
MariaDB [wmagent]> select distinct name from wmbs_workflow where injected = 0;
Empty set (0.00 sec)
```

Subscriptions not finished

```
MariaDB [wmagent]> select distinct wmbs_workflow.name AS wfName
FROM wmbs_subscription
INNER JOIN wmbs_fileset ON wmbs_subscription.fileset = wmbs_fileset.id
INNER JOIN wmbs_workflow ON wmbs_workflow.id = wmbs_subscription.workflow
where wmbs_subscription.finished = 0 ORDER BY wmbs_workflow.name;
Empty set (0.00 sec)
```

Files available in WMBS (waiting for job creation)

```
SQL> SELECT wmbs_workflow.name, wmbs_sub_files_available.subscription, count(wmbs_sub_files_avail
FROM wmbs_sub_files_available
INNER JOIN wmbs_subscription ON wmbs_sub_files_available.subscription = wmbs_subscription.id
INNER JOIN wmbs_workflow ON wmbs_subscription.workflow = wmbs_workflow.id
GROUP BY wmbs_sub_files_available.subscription;
Empty set (0.00 sec)
```

Getting distinct workflow names with files available:

```
SQL> SELECT DISTINCT wmbs_workflow.name
FROM wmbs_sub_files_available
INNER JOIN wmbs_subscription ON wmbs_sub_files_available.subscription = wmbs_subscription.id
INNER JOIN wmbs_workflow ON wmbs_subscription.workflow = wmbs_workflow.id
GROUP BY wmbs_sub_files_available.subscription;
Empty set (0.00 sec)
```

Files acquired or acquired in WMBS (waiting for job to finish)

```
SQL> SELECT wmbs_workflow.name, wmbs_sub_files_acquired.subscription, count(wmbs_sub_files_acquir
FROM wmbs_sub_files_acquired
INNER JOIN wmbs_subscription ON wmbs_sub_files_acquired.subscription = wmbs_subscription.id
INNER JOIN wmbs_workflow ON wmbs_subscription.workflow = wmbs_workflow.id
GROUP BY wmbs_sub_files_acquired.subscription;
Empty set (0.00 sec)
```

Getting distinct workflow names with files acquired:

```
SQL> SELECT DISTINCT wmbs_workflow.name
FROM wmbs_sub_files_acquired
INNER JOIN wmbs_subscription ON wmbs_sub_files_acquired.subscription = wmbs_subscription.id
INNER JOIN wmbs_workflow ON wmbs_subscription.workflow = wmbs_workflow.id
GROUP BY wmbs_sub_files_acquired.subscription;
Empty set (0.00 sec)
```

Files and Blocks in Phedex and DBS

Blocks open in DBS

```
SQL> SELECT * FROM dbsbuffer_block WHERE status!='Closed';
Empty set (0.02 sec)
```

Files not updated DBS

```
SQL> SELECT * from dbsbuffer_file where status = 'NOTUPLOADED';
Empty set (0.02 sec)
```

Files not injected in Phedex, with parent block id (can be recovered)

```
SQL> SELECT * FROM dbsbuffer_file
WHERE in_phedex=0
AND block_id IS NOT NULL
AND lfn NOT LIKE '%unmerged%'
AND lfn NOT LIKE 'MCFakeFile%'
AND lfn NOT LIKE '%BACKFILL%'
AND lfn NOT LIKE '/store/user%';
```

Empty set (0.24 sec)

Files not in phedex without parent block id (cannot be recovered) Possible input files.

```
SQL> SELECT count(*) FROM dbsbuffer_file
WHERE in_phedex=0
AND block_id IS NULL
AND lfn NOT LIKE '%unmerged%'
AND lfn NOT LIKE 'MCFakeFile%'
AND lfn NOT LIKE '%BACKFILL%'
AND lfn NOT LIKE '/store/backfill%'
AND lfn NOT LIKE '/store/user%';
+-----+
| count(*) |
+-----+
|    66414 |
+-----+
1 row in set (0.11 sec)
```

So we run fix Phedex to update the files not in phedex

```
[cmsdataops@cmssrv219 current]$ curl https://raw.githubusercontent.com/amaltaro/ProductionTools/m
[cmsdataops@cmssrv219 current]$ source /data/srv/wmagent/current/apps/wmagent/etc/profile.d/init.
[cmsdataops@cmssrv219 current]$ python newFixPhedex.py
Shutting down PhEDExInjector...
Checking 445 dataset in both PhEDEx and DBS ...
...
40100/40164 files processed
Found 66321 out of 66414 files that are already registered in PhEDEx but buffer doesn't
Fixing them now, it may take several minutes ...
Rows were successfully updated! Good job!
Starting PhEDExInjector now ...
```

started with pid 3428365
Done!

And we check afterwards

```
SQL> SELECT lfn FROM dbsbuffer_file
WHERE in_phedex=0
AND block_id IS NULL
AND lfn NOT LIKE '%unmerged%'
AND lfn NOT LIKE 'MCFakeFile%'
AND lfn NOT LIKE '%BACKFILL%'
AND lfn NOT LIKE '/store/user%';
+-----+
| lfn
+-----+
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
```


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```
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
| /store/mc/Summer12/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/GEN-SIM/STA
+-----
```

93 rows in set (0.05 sec)

and these files don't belong to any of the 2 workflows still known by this agent:

```
cmst1@vocms008:/data/srv/wmagent/current $ wget -nv https://raw.githubusercontent.com/amaltaro/Pr
cmst1@vocms008:/data/srv/wmagent/current $ source /data/srv/wmagent/current/apps/wmagent/etc/prof
pythoncmst1@vocms008:/data/srv/wmagent/current $ python drainAgent.py wfs lfns
/LambdaBToJpsiPK_BMuonFilter_MSEL5_TuneZ2star_8TeV-pythia6-evtgen/Summer12-START53_V7C-v1/GEN-SIM
```

Agent is READY to go.

This topic: CMSPublic > Cmssrv219Redeployment

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