

GENIE - Feature #6818

Feature # 6050 (Assigned): Full Automated Validation Framework

Grid access and permissions

08/18/2014 01:03 PM - Gabriel Perdue

Status:	Assigned	Start date:	08/18/2014
Priority:	Normal	Due date:	11/02/2015
Assignee:	Tomasz Golan	% Done:	80%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
FermiGrid + OSG?			

History

#1 - 08/18/2014 01:06 PM - Gabriel Perdue

- Status changed from New to Assigned
- Assignee set to Gabriel Perdue
- % Done changed from 0 to 10

Tanya Levshina opened Request REQ000000201647 and Request REQ000000201641 and Request REQ000000201637 to get a GENIE account on the FermiCloud service, get a Fermilab VO VOMS Group/Role/Secondary Cert, and get increased job slots or disk space on FermiGrid. (Req numbers are in opposite order of the description.)

#2 - 09/05/2014 03:52 PM - Gabriel Perdue

- % Done changed from 10 to 40

Tanya has successfully submitted a job from the GENIE interactive machine!

```
1. login to geniegpvm01
2. setup the newest job sub_client
get-cert -s
./grid/fermiapp/products/common/etc/setups.sh
setup jobsub_client v0_4
```

3. submit test job, e.g:

```
jobsub_submit --resource-provides=usage_model=OPPORTUNISTIC -N 10 --OS=SL5,SL6 --group genie file:///afs/fnal.gov/files/home/room2/tlevshin/test_genie/test_local_env.sh
```

obviously replacing test_local_env.sh with your own script

I use ifdh command in my script to test, e.g.:

```
ifdh cp /pnfs/fnal.gov/usr/genie/scratch/tanya_test.1 file_copy
```

4. check the job status

```
jobsub_q -G genie
```

Server response code: 200

Response OUTPUT:

```
75831.1@fifebatch2.fnal.gov tlevshin 09/02 14:03 0+00:00:00 R 0 0.0 test_local_env.sh_20140902_140352_14644_0_1_wrap.sh
75831.2@fifebatch2.fnal.gov tlevshin 09/02 14:03 0+00:00:00 R 0 0.0 test_local_env.sh_20140902_140352_14644_0_1_wrap.sh
75831.3@fifebatch2.fnal.gov tlevshin 09/02 14:03 0+00:00:00 R 0 0.0 test_local_env.sh_20140902_140352_14644_0_1_wrap.sh
75831.5@fifebatch2.fnal.gov tlevshin 09/02 14:03 0+00:00:00 R 0 0.0 test_local_env.sh_20140902_140352_14644_0_1_wrap.sh
75831.6@fifebatch2.fnal.gov tlevshin 09/02 14:03 0+00:00:00 R 0 0.0 test_local_env.sh_20140902_140352_14644_0_1_wrap.sh
75831.7@fifebatch2.fnal.gov tlevshin 09/02 14:03 0+00:00:00 R 0 0.0 test_local_env.sh_20140902_140352_14644_0_1_wrap.sh
75831.9@fifebatch2.fnal.gov tlevshin 09/02 14:03 0+00:00:00 R 0 0.0 test_local_env.sh_20140902_140352_14644_0_1_wrap.sh
```

5. download logs (stderr, stdout)

```
jobsub_fetchlog -G genie --jobid 75831.1@fifebatch2.fnal.gov --dest-dir .
```

see https://cdcvs.fnal.gov/redmine/projects/jobsub/wiki/Using_the_Client

#3 - 04/02/2015 04:31 PM - Gabriel Perdue

- Assignee changed from Gabriel Perdue to Tomasz Golan

#4 - 07/13/2015 10:47 AM - Gabriel Perdue

- Due date changed from 06/13/2015 to 08/03/2015

- % Done changed from 40 to 90

We are successfully running offsite on the OSG!

All we are really missing now is some documentation.

#5 - 09/21/2015 09:48 AM - Gabriel Perdue

- Due date changed from 08/03/2015 to 11/02/2015

- % Done changed from 90 to 80

We need to document this step.

There has been some feature creep - we are also trying to make cron jobs succeed here. This needs to be finished and documented.