

BATCH - Support #18459

Test loon from cvmfs

12/01/2017 01:11 PM - Arthur Kreymer

Status:	Work in progress	Start date:	12/01/2017
Priority:	High	Due date:	01/01/2018
Assignee:	Arthur Kreymer	% Done:	0%
Category:		Estimated time:	6.00 hours
Target version:		Spent time:	4.00 hours
Description			
Test use of loon from /cvmfs/minos.opensciencegrid.org			

History

#1 - 12/01/2017 01:16 PM - Arthur Kreymer

I tested this manually on fermicloud168, using the kreymer account.
In spite of complaints about /grid/fermiapp/products/common/db and Labyrinth,
the job run successfully.

```
scp minos-data:/grid/fermiapp/minos/scripts/testloon /dev/shm/testloon
```

```
scp minos-data:/var/tmp/mindata/test.root /var/tmp/kreymer/test.root
```

```
/dev/shm/testloon cvmfs
```

```
testloon 20171127 cvmfs run at Mon Nov 27 13:13:55 CST 2017 on fermicloud168.fnal.gov by kreymer
Linux fermicloud168.fnal.gov 2.6.32-696.10.1.el6.x86_64 #1 SMP Tue Aug 22 11:35:19 CDT 2017 x86_64 x86_64 x86_64 GNU/Linux
Scientific Linux Fermi release 6.9 (Ramsey)
  TMPDIR set to /var/tmp/kreymer
  TMPDIR is /var/tmp/kreymer
Linux64bit+2.6-2.12
Linux+2.6-2.12
setup_minossoft_FNALU forcing 64bit build
setup_minossoft_FNALU thinks R3.03.06 (303) doesn't have a --64bit build, force --32bit
setup_minossoft_FNALU_parser forcing flavor: Linux+2.6-2.12
WARNING: '/grid/fermiapp/products/common/db' is not a directory
WARNING: '/grid/fermiapp/products/common/db' is not a directory
WARNING: '/grid/fermiapp/products/common/db' is not a directory
WARNING: '/grid/fermiapp/products/common/db' is not a directory
  /cvmfs/minos.opensciencegrid.org/minos/minossoft/releases/boot/bin/generic/srt_environment
  used to hack SRT_ARCH=Linux2.6 to Linux2.6
MINOSSOFT release "R3.03.06"
SRT_SUBDIR=Linux2.6-GCC_4_5 ROOT=v5-34-03 EXTERN=v04 CONFIG=v01
gminos_jobs "/cvmfs/minos.opensciencegrid.org/minos/products/prd/GMINOS_JOBS/development"
/cvmfs/minos.opensciencegrid.org/minos/products/prd/LABYRINTH/Linux2.6-GCC_4_5/development/labyrinth/setup_lab
yrint.sh: line 71: /grid/fermiapp/minos/products/prd/LABYRINTH/Linux2.6-GCC_4_5/development/labyrinth/setup/a
rch: No such file or directory
/cvmfs/minos.opensciencegrid.org/minos/products/prd/LABYRINTH/Linux2.6-GCC_4_5/development/labyrinth/setup_lab
yrint.sh: line 83: /grid/fermiapp/minos/products/prd/LABYRINTH/Linux2.6-GCC_4_5/development/labyrinth/setup/m
inos_host.sh: No such file or directory
setup "test" version of LABYRINTH [ , ]
/cvmfs/minos.opensciencegrid.org/minos/products/prd/LABYRINTH/Linux2.6-GCC_4_5/development/labyrinth/setup_lab
yrint.sh: line 94: [: =: unary operator expected
no configuration file for , check setup directory
/cvmfs/minos.opensciencegrid.org/minos/products/prd/LABYRINTH/Linux2.6-GCC_4_5/development/labyrinth/setup_lab
yrint.sh: line 112: /grid/fermiapp/minos/products/prd/LABYRINTH/Linux2.6-GCC_4_5/development/labyrinth/setup/
setup_minos.sh: No such file or directory
missing 32bit libs from mysql=1 loon=0
running: setup minos_32bit_libs slf6
adjust_tsq1.sh reader left alone EXPERIMENT env ():GRID_GROUP env ():GROUP env ():id -g -n (e875)
TYPE LOON
loon is /cvmfs/minos.opensciencegrid.org/minos/minossoft/releases/R3.03.06/bin/Linux2.6-GCC_4_5/loon
-rw-r--r-- 1 kreymer e875 41379 Nov 27 13:11 /var/tmp/kreymer/test.root
loon [0]
Processing /cvmfs/minos.opensciencegrid.org/minos/scripts/firstlast.C...
Spin(1 in 1 out 0 filt.)
 1) +RawRecCounts::Ana          n=1      ( 1/ 0) t=( 0.00/ 0.00)
```

RawRecCounts Report: test.root
root version: v04-02-00

VldContexts:

```
First: { Far| Data|2005-04-25 16:36:07.621514000Z}
First Snarl: {Unknow|Unknow|1970-01-01 00:00:00.000000000Z} # -1
Last: { Far| Data|2005-04-25 16:36:07.621514000Z}
Last Snarl: {Unknow|Unknow|1970-01-01 00:00:00.000000000Z} # -1
in 11 records of 0 record sets
```

```
RawConfigFilesBlock          7
RawDaqHeaderBlock           11
RawRunCommentBlock          1
RawRunConfigBlock           1
RawRunEndBlock              1
RawRunStartBlock            1
```

RawRecCounts done

#2 - 12/01/2017 01:21 PM - Arthur Kreymer

The testloon cvmfs test succeeded on a GPGrid worker an on a CMS worker.

The same job submitted to Wisconsin failed with a Segmentation fault,
possibly because that worker ran CentOS Linux release 7.4.1708 (Core)

FERMIGRID

```
export JOBSUB_GROUP=minos
FAST='--expected-lifetime=1h --memory=100MB --disk=3GB'
TEST=/grid/fermiapp/minos/scripts/testloon
```

```
jobsub_submit -g ${FAST} file://${TEST} cvmfs
```

CMS

```
jobsub_submit -g ${FAST} \  
--resource-provides=usage_model=OFFSITE --site=FNAL \  
file://${TEST} cvmfs
```

#3 - 12/03/2017 07:51 AM - Arthur Kreymer

testloon cvmfs has run successfully at these OSG sites,
having added --OS=SL6 to the submission to avoid SL7 workers.

BNL
Caltech
FNAL
MIT
Nebraska

A job submitted to --site=Stampede remained idle.

Did we ever get the OSG to TACC gateway working ?