

Table of Contents

Grid Job Submit.....	1
----------------------	---

Grid Job Submit

Mar 18 2011

Topic: commands used in grid job submit

Comments: there are a few popular commands to submit jobs to grid system

*dls: shows where files I am looking for are saved

*dget: allows users to save files in grid system to a local machine where users are working

example commands

*show mc10 108497 level0 ntuples

\$ dls

mc10_7TeV.108497.PythiaB_cbmsel1_ChHadr.merge.AOD.e574_s933_s946_r1655_r1700

Apr 29 2011

topic: finding WW and WZ diboson mc in grid comments: we need to find WW and WZ diboson mc in grid to study higgs going to cbar in whiggs events
commands we used

* dls mc10*105985.WW_Herwig*

* dls mc10*105987.WZ_Herwig*

directories with AOD in it

* dls mc10*105985.WW_Herwig*AOD*

to see files in the directory

* dls -f mc10_7TeV.105985.WW_Herwig.merge.AOD.e598_s933_s946_r1659_r1700/

directory name with 'sub' means that the job is submitted and is running (i.e

mc10_7TeV.105985.WW_Herwig.merge.AOD.e598_s933_s946_r2215_r2260_tid299407_00_sub

command to submit a grid job for DmesonAnalysis.cxx is saved at

/susyraid1/home/jkim/atlasdev/16.3.0.7/CharmAnalysis/gridjobs.txt

pathena share/HiggsAnalysisJobOptions.py -c "ReadMC=True" --inDS

mc10_7TeV.105985.WW_Herwig.merge.AOD.e598_s933_s946_r2215_r2260/ --outDS

user.jakim mc10_7TeV.105985.WW_Herwig.merge.AOD.e598_s933_s946_r2215_r2260.Higgs

--maxCpuCount 900000 --nFilesPerJob 1 --extOutFile HiggsAnalysisTest.root

--supStream GLOBAL

--excludedSite=ANALY_TAIWAN, ANALY_LAPP, ANALY_SARA-MATRIX, ANALY_GRID-IRFU, ANALY_C

to submit a grid job from susy

\$ setup16

\$ grid

\$ panda

\$ cd /susyraid1/home/jkim/atlasdev/16.3.0.7/CharmAnalysis

\$ pathena share/HiggsAnalysisJobOptions.py -c "ReadMC=True" --inDS

mc10_7TeV.105985.WW_Herwig.merge.AOD.e598_s933_s946_r2215_r2260/ --outDS

user.jakim mc10_7TeV.105985.WW_Herwig.merge.AOD.e598_s933_s946_r2215_r2260.Higgs

--maxCpuCount 900000 --nFilesPerJob 1 --extOutFile HiggsAnalysisTest.root

--supStream GLOBAL

--excludedSite=ANALY_TAIWAN, ANALY_LAPP, ANALY_SARA-MATRIX, ANALY_GRID-IRFU, ANALY_C

a script to submit a grid job is saved at

/susyraid1/home/jkim/atlasdev/16.3.0.7/CharmAnalysis/bin/gsub

a trial command can be shown when the following command is given
\$ cd /susyraid1/home/jkim/atlasdev/16.3.0.7/CharmAnalysis \$ bin/gsub MC 0
105001 -d

My 02 2011

topic: dget files from grid comments: dget command has options

dget one file from grid
\$ dget -f filename datasetname

see which version of event generator, simulation, digitization and reconstruction software was used for a specific aod ntuple file, then type its suffix on
<http://ami.in2p3.fr:8080/AM/servlet/net.hep.atlas.Database.Bookkeeping.AM.Search/Browse/Search> all configuration tags
i.e. e598_s933_s946_r2302_r2300 for
mc10_7TeV.105985.WW_Herwig.merge.AOD.e598_s933_s946_r2302_r2300_tid323800_00

My 03 2011

topic: grub in grid
comments: sending grid jobs require to follow a few rules

sending jobs to grid
\$ cd atlasdev/16.3.0.7/
\$ setup
\$ grid
\$ panda
\$ [pathena command]

get outputs from grid
\$ grid
\$ panda
\$ dget -f filename datasetname
* no atlas setup needed -- JaeKim - 17-Mar-2011

This topic: Main > GridJobSubmit
Topic revision: r5 - 2011-05-03 - JaeKim



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback