

GlideinWMS - Support #21929

Follow up w/ OSG and HTCondor to allow a clean exit in PBS

02/19/2019 03:02 PM - Marco Mambelli

Status:	New	Start date:	02/19/2019
Priority:	Normal	Due date:	
Assignee:	Marco Mambelli	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v3_6_2	Spent time:	0.00 hour
Stakeholders:			
Description			
<p>As documented in #21682, when removing a job submitted to a PBS system, the signal is now sent correctly to condor that receives it and shuts down.</p> <p>PBS still sends sigterm and sigkill only few milliseconds later. This is enough for the trap to forward the first signal but not for the process termination (sending back logs, ...) and cleanup.</p> <p>Either (1) a working parameter is found to increase the delay in PBS OR (2) Either HTCondorCE/BLAHP or HTCondor will take advantage of qsig that allows to send a signal and do that before removing the job. Solution (2) would have the advantage to control the signal use and distinguish a quick shutdown (sigquit) from a graceful one(sigterm)</p> <p>The role of GlideinWMS here is to facilitate and coordinate and verify the solution. I don't think changes in GWMS would be of help.</p> <p>The advantage for GWMS would be to receive glidien log files also in the case of killed jobs</p>			

History

#1 - 02/19/2019 03:09 PM - Marco Mambelli

Some useful links (torque documentation):

<http://docs.adaptivecomputing.com/torque/4-1-7/Content/topics/commands/qsig.htm>

<http://docs.adaptivecomputing.com/torque/4-0-2/Content/topics/commands/qdel.htm>

<http://docs.adaptivecomputing.com/torque/4-2-7/Content/topics/commands/qmgr.htm>

<http://docs.adaptivecomputing.com/torque/3-0-5/4.1queueconfig.php>

https://scc.ustc.edu.cn/zlsc/tc4600/intel/2015.1.133/impi/User_Guide/SIGINT_SIGTERM_Signals_Intercepting.htm

#2 - 05/01/2019 05:34 PM - Marco Mambelli

- Target version changed from v3_5 to v3_5_1

#3 - 08/28/2019 09:59 AM - Marco Mambelli

- Target version changed from v3_5_1 to v3_6_1

#4 - 09/17/2019 11:15 PM - Marco Mambelli

- Target version changed from v3_6_1 to v3_6_2