

GlideinWMS - Idea #2181

Feature # 2180 (New): Use Condor Job Log instead of Schedd log or classads for job data on the pilot

Get Pilot logs back to the factory from an EC2 VM

11/18/2011 04:22 PM - Anthony Tiradani

Status:	New	Start date:	11/18/2011
Priority:	Normal	Due date:	
Assignee:	Anthony Tiradani	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v3_7_x	Spent time:	0.00 hour
Stakeholders:			

Description

This would depend a lot on Issue [#2180](#) to reduce the size of the pilot logs that are currently returned from the pilots.

EC2 API defines `ec2-get-console-output` which allows you to get the last 64kb of the console output of a terminated VM. This data is saved for up to an hour after termination. I have put in a request for the Condor team to implement this call in the `ec2_gahp` so that we can retrieve logs using condor on the factory.

The log retrieval process would look like:

- 1) launch vm - save contextualization logs
- 2) launch pilot - save logs
- 3) shutdown
 - 3a) aggressively compress logs
 - 3b) base64 encode the compressed logs
 - 3c) write base64 encoded logs to the console
- 4) the `ec2_gahp` will retrieve the console output and write it out as a job log.

Now the factory has all the logs from the VM. We can debug as necessary.

History

#1 - 11/21/2011 02:47 PM - Anthony Tiradani

- Parent task set to #2180

#2 - 12/19/2011 03:44 PM - Parag Mhashilkar

- Target version changed from v3_0 to v3_1

#3 - 04/23/2012 03:34 PM - Burt Holzman

- Assignee set to Anthony Tiradani

- Priority changed from Normal to Low

#4 - 03/04/2013 03:39 PM - Burt Holzman

- Priority changed from Low to Normal

Upgrading this from "Low" to "Normal" -- this means that right now we don't really get stdout or stderr back from a pilot job and then don't have proper pilot accounting data.

#5 - 04/29/2013 01:35 PM - Burt Holzman

- Target version changed from v3_1 to v3_x

#6 - 08/05/2013 10:30 AM - Burt Holzman

- Target version changed from v3_x to v3_2_x

#7 - 04/26/2018 04:43 PM - Marco Mambelli

- Target version changed from v3_2_x to v3_4_x

#8 - 09/06/2018 03:25 PM - Marco Mambelli

- Target version changed from v3_4_x to v3_5_x

#9 - 09/28/2019 10:24 AM - Marco Mambelli

- Target version changed from v3_5_x to v3_7_x