

GlideinWMS - Bug #20202

Kill not handled properly by glidein_startup.sh

06/20/2018 12:04 PM - Marco Mascheroni

Status:	Rejected	Start date:	06/20/2018
Priority:	Normal	Due date:	
Assignee:	Marco Mambelli	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v3_5_x	Spent time:	0.00 hour
First Occurred:		Stakeholders:	CMS
Occurs In:			

Description

Diego Davila reported that he saw cases where a site admin killed running pilots (mostly Vanderbilt) and then "zombie" pilots started appearing (i.e.: pilots that are not present in the factory queue but condor is still running at the site). He tried to run a pilot by and then killed it, and he said that the glidein_startup.sh were not waiting for the condor processes to finish before exiting.

Related issues:

Related to GlideinWMS - Support #22509: Singularity processes left orphaned o...	Closed	05/03/2019
Is duplicate of GlideinWMS - Bug #21682: Glidein not killing condor processes	Closed	01/14/2019

History

#1 - 07/10/2018 07:46 AM - Marco Mascheroni

- Assignee set to Marco Mascheroni
- Target version set to v3_4_x
- Stakeholders updated

Got this email from diego as well, reporting from completeness:

I saw this thing by launching a glidein by hand (executing glidein_startup.sh with the proper arguments and using my proxy), then waiting for it to connect to the ITBDEV pool and fetch a payload. Once the pilot is running a payload (sleep job) I sent a SIGTERM to the pilot. What happens is that the process executing glidein_startup.sh exits almost immediately, but the condor process keeps running (you see this with "ps auxf").

I didn't see this happening at any Site (only in my local setup as described above), but I know that at Vanderbilt, they get slurm to send SIGTERM signals to the pilots, when they need their resources back, then wait for 5 min and hard-kill the pilot if still alive. My guess is that if slurm sees the main process (glidein_startup) exiting after the SIGTERM, then they proceed to clean everything and don't let condor to notify the collector they are leaving, hence the collector think the pilot is still alive and tries to send jobs there that will eventually fail.

I have seen many cases of the later (collector assigns matches to non-existing pilots) at many sites but very often on Vanderbilt, I think this could be the cause but not 100% sure.

Anyways I think it would be better if glideinWMS waits for condor to finish before exiting.

#2 - 09/06/2018 03:25 PM - Marco Mambelli

- Target version changed from v3_4_x to v3_5_x

#3 - 10/04/2019 05:10 PM - Marco Mambelli

- Related to Support #22509: Singularity processes left orphaned on PBS added

#4 - 10/04/2019 05:10 PM - Marco Mambelli

- Is duplicate of Bug #21682: Glidein not killing condor processes added

#5 - 10/04/2019 05:10 PM - Marco Mambelli

- Assignee changed from Marco Mascheroni to Marco Mambelli
- Status changed from New to Rejected

This was solved in [#21682](#) and [#22509](#)

Please reopen if problems persist