

GlideinWMS - Bug #9639

Glidein startup aborting fast for apparently no reason (in reality conor_master is timing out a name resolution)

07/15/2015 09:56 PM - Marco Mambelli

Status:	Closed	Start date:	07/15/2015
Priority:	Normal	Due date:	
Assignee:	Marco Mambelli	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v3_6_1	Spent time:	0.00 hour
First Occurred:		Stakeholders:	
Occurs In:			

Description

This problem has been reported in GGUS 114634 [https://ggus.eu/index.php?mode=ticket_info&ticket_id=114634] "pilot failures on newly added IT_T3_Bologna nodes"

The symptom is that the pilot were dying few seconds after starting up and was not clear why.

Here a description of the problem in a message from Giuseppe (in the ticket):

the problem occurred also in other cloud testbeds. Joining the effort with the local experts, we found the problem.

In the lines of the condor_startup.sh I reported, there is a call to condor_master:

```
- if the condor_master is ok, a pid file is created immediatly and the rest of the condor_startup.sh stays alive until the pid exists
- if the condor_master is not creating the pid for some reason, after 5 seconds, the condor_startup.sh script consider the life of the condor_master ended and proceed to the end of the script causing the termination with no error of the pilot itself.
```

Now: why the condor_master does not create the pidfile?

The reason is that it asks a hostname resolution and, if it fails, it retries every 3 seconds, 40 times, before going ahead. 120 seconds is much more of th 5 seconds wait set for the pid creation.
..

On the other hand, at least in the cloud environment, it happens that the hostname resolution does not make much sense, so any call to `hostname -f` does not give good results. Just adding in the /etc/hosts a line for the hostname resolution, it fixes the problem.

From our side, we can patch the problem.

From the glidein side, it would be better at least:

```
- to avoid such a strong requirement for hostname resolution
- in any case, to be able to log and report at higher lever if the condor_master is stuck somewhere (launching a process in background and pretending to be perfectly working without much checks does not seems to me a good practice anyway)
```

I think if could be good to extend the timeout to 3/5 min if as it seems condor_master is starting up fine after timing out the name resolution.

And at least a meaningful error message should be reported back when the condor startup times out and the glidein is aborted.

Related issues:

Related to GlideinWMS - Bug #21682: Glidein not killing condor processes	Closed	01/14/2019
Related to GlideinWMS - Feature #23486: Make Glidein's condor resilient to mi...	New	10/29/2019

History

#1 - 02/01/2019 04:15 PM - Marco Mambelli

- Related to Bug #21682: Glidein not killing condor processes added

#2 - 02/01/2019 04:15 PM - Marco Mambelli

- Target version set to v3_5
- Assignee set to Marco Mambelli

#3 - 02/01/2019 04:16 PM - Marco Mambelli

- Related to Bug #21682: Glidein not killing condor processes added

#4 - 02/01/2019 05:16 PM - Marco Mambelli

- Related to deleted (Bug #21682: Glidein not killing condor processes)

#5 - 05/01/2019 05:34 PM - Marco Mambelli

- Target version changed from v3_5 to v3_5_1

#6 - 08/28/2019 09:59 AM - Marco Mambelli

- Target version changed from v3_5_1 to v3_6_1

#7 - 10/29/2019 11:41 AM - Marco Mambelli

- Related to Feature #23486: Make Glidein's condor resilient to missing or mis-configured hostname added

#8 - 10/29/2019 11:42 AM - Marco Mambelli

- Assignee changed from Marco Mambelli to Lorena Lobato Pardavila
- Status changed from New to Feedback

Changes were mostly there.

Clarification added in v36/9639

Possible condor config changes will be addressed in a separate ticket: [\[#23486\]](#)

#9 - 10/31/2019 06:32 PM - Lorena Lobato Pardavila

- Assignee changed from Lorena Lobato Pardavila to Marco Mambelli
- Status changed from Feedback to Accepted

OK to merge

#10 - 11/02/2019 11:45 AM - Marco Mambelli

- Status changed from Accepted to Resolved

#11 - 12/18/2019 10:17 AM - Marco Mambelli

- Status changed from Resolved to Closed