

Production Operations Management Service (POMS) - Feature #14473

Monitor internal components

11/10/2016 02:43 PM - Marc Mengel

Status:	Closed	Start date:	11/10/2016
Priority:	Normal	Due date:	11/30/2016
Assignee:	Joe Boyd	% Done:	100%
Category:		Estimated time:	8.00 hours
Target version:		Spent time:	0.00 hour
Scope:	Internal	Stakeholders:	
Experiment:	-		

Description

We need to have something watching to make sure POMS is actually alive:

- agents under supervisord running on pomsgpvm01 (and in dev on fermicloud045)
- excessive memory growth in above
- exeptions/500 status codes in logfiles in private/logs/poms
- report any such to email list with repeat suppression
- maybe get main poms webservice monitored in site central monitoring

I'm listing this as tied to v1_0_1, but it can be stood up at any time, not neccesarly tied to a release.

History

#1 - 12/15/2016 04:24 PM - Anna Mazzacane

- Target version deleted (v1_1_0)

#2 - 12/20/2016 09:57 AM - Joe Boyd

Yes, that sounds about right.

Vladimir.

On 12/19/2016 01:07 PM, Joe Boyd wrote:

Everything was restarted 44 minutes ago wasn't it?

```
[poms@fermicloud045 ~]$ supervisorctl status
poms_declared_files_watcher    RUNNING pid 16909, uptime 0:44:15
poms_fifemon_reader            RUNNING pid 16903, uptime 0:44:15
poms_fts_scanner               RUNNING pid 16904, uptime 0:44:15
poms_joblog_scraper            RUNNING pid 16905, uptime 0:44:15
poms_jobsub_q_scraper          RUNNING pid 16906, uptime 0:44:15
poms_status_scraper            RUNNING pid 16902, uptime 0:44:15
poms_webservice_devel         RUNNING pid 17200, uptime 0:43:14
rsyslogd                       RUNNING pid 16901, uptime 0:44:15
```

Is there a ticket open to investigate the memory leak in jobsub_q_scraper.py? I didn't find one in a quick search but maybe my search was wrong.

joe

On 12/19/2016 12:38 PM, Vladimir Podstavkov wrote:

Hi Anna,

It was not down, I believe. Around 12:17 the node has been overloaded by one of the deamons.

```
PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND
30752 poms 20 0 4051m 2.4g 960 D 2.3 86.7 93:45.30 python ./*jobsub_q_scraper.py* -d
```

It ate pretty much all the memory.

I have restarted the service, it seems to be OK now.

Vladimir.

#3 - 12/28/2016 11:33 AM - Joe Boyd

- *Status changed from Assigned to Work in progress*
- *% Done changed from 0 to 10*

#4 - 12/29/2016 04:17 PM - Joe Boyd

- *% Done changed from 10 to 40*

With a couple of code additions we can have graphs like

<https://fifemon-pp.fnal.gov/dashboard/db/joepromtest>

for each of our probes so we can see if they're growing in memory or whatever we want to send to graphite. Will need to talk to Marc to find out how to release new probes into production with implementation.

#5 - 01/05/2017 02:50 PM - Joe Boyd

- *% Done changed from 40 to 90*

The jobsub_q_scraper probe is instrumented and running in dev. It's generating the stats on this dashboard:

<https://fifemon-pp.fnal.gov/dashboard/db/poms-probe-profiles>

#6 - 01/06/2017 03:52 PM - Joe Boyd

- *Status changed from Work in progress to Resolved*
- *% Done changed from 90 to 100*

The jobsub_q_scraper script has been implemented and the server infrastructure setup. I'll open new issues to decide what other stuff to implement and add more monitoring.

#7 - 04/25/2017 11:09 AM - Joe Boyd

- *Status changed from Resolved to Closed*