

D4Science Infrastructure - Task #12449

Add Nagios checks on couchbase cluster

Sep 10, 2018 04:19 PM - Luca Frosini

Status:	Closed	Start date:	Sep 10, 2018
Priority:	Normal	Due date:	
Assignee:	_InfraScience Systems Engineer	% Done:	100%
Category:	Application	Estimated time:	0.00 hour
Target version:	Data Publishing		
Infrastructure:	Production		
Description It seems that the new buckets in couchbase cluster are not monitored by Nagios. This is my mistake because I never advise you about them. The old bucket is going to be deleted (see #12446) has the following checks: <ul style="list-style-type: none">• accounting_service OPS• accounting_service VB total items• accounting_service disk creates per second• accounting_service items count• accounting_service used memory			
Related issues: Related to D4Science Infrastructure - Task #12446: Remove accounting_service... Closed Sep 10, 2018			

History

#1 - Sep 10, 2018 04:20 PM - Luca Frosini

- Related to Task #12446: Remove accounting_service bucket added

#2 - Sep 10, 2018 07:32 PM - Andrea Dell'Amico

Can you list the buckets that need monitoring?

#3 - Sep 11, 2018 09:41 AM - Luca Frosini

The buckets to be monitored are:

accounting_storage_status
AccountingManager
JobUsageRecord
ServiceUsageRecord
StorageUsageRecord

#4 - Sep 11, 2018 05:31 PM - Tommaso Piccioli

- Status changed from New to In Progress

- % Done changed from 0 to 80

New nagios check on the selected buckets but we have to customize the parameters with @luca.frosini@isti.cnr.it

#5 - Sep 12, 2018 10:03 AM - Luca Frosini

I read the documentation of the couchbase nagios plugin at:

https://gcube.wiki.gcube-system.org/gcube/Monitoring_a_gCube_infrastructure_With_Nagios#Couchbase_plugin

which is more or less the documentation provided by the plugin.

I really don't know how to tune the metrics. Maybe, we are not so interested in monitoring buckets metrics, instead, we are interested in monitoring the cluster sanity.

Looking the alert received tonight they are just useless and instead they could cause discarding the important ones.

@tommaso.piccioli@isti.cnr.it @andrea.dellamico@isti.cnr.it @pasquale.pagano@isti.cnr.it what do you think?

#6 - Sep 12, 2018 11:47 AM - Andrea Dell'Amico

We do not collect metrics in nagios, and the checks are failing because the service is so slow to answer that the timeout is triggered and that seems independent from the specific check: they all fail.

I've checked the plugin options and there's no way to specify a longer timeout without changing the code. It uses python requests(), so it should be easy.

There also are a lot of parameters that we do not use, so I don't know if we are checking the most significant aspects of the cluster.

(I didn't know about the existence of that wiki page, most of the information reported is obsolete, FYI)

#7 - Sep 12, 2018 06:27 PM - Andrea Dell'Amico

- *Status changed from In Progress to Feedback*

- *% Done changed from 80 to 100*

I just configured a timeout in the couchbase check code:

```
r = requests.get(url, auth=(options.username, options.password), timeout=(10, 120))
```

If it works we should create a proper fix and send a pull request to the author

#8 - Sep 13, 2018 11:56 AM - Andrea Dell'Amico

- *Status changed from Feedback to Closed*

The change worked, it seems. I'm closing the ticket.