

D4Science Infrastructure - Support #238

The nagios check 'gcube search' goes often in critical state

Jun 08, 2015 06:31 PM - Andrea Dell'Amico

Status:	Rejected	Start date:	Jun 08, 2015
Priority:	Normal	Due date:	
Assignee:	Andrea Dell'Amico	% Done:	100%
Category:	System Application	Estimated time:	0.00 hour
Infrastructure:	Production		
Description The "Gcube search" nagios check on portal.i-marine.d4science.org is often in critical state. The script source code is: <pre>FILE_TMP=/tmp/xml-aquamaps # wget http://\$1/images/report/xml -O \$FILE_TMP > /dev/null 2>&1 # service.d4science.org "http://portal.i-marine.d4science.org/aslHttpInformationRetrieval/GenericSearch?responseType=xml&searchTerms="tuna"&allFields=false&count=1" -O \$FILE_TMP > /dev/null 2>&1 nimages=`xmllint --xpath '//speciesCount/text()' \$FILE_TMP` rm \$FILE_TMP if ["\$nimages" -gt "0"] then echo "Images cached : \$nimages" exit \$STATE_OK else echo "0 Images cached!" exit \$STATE_CRITICAL fi</pre> There was a proposal to dismiss the discovery service, but it still active. If the service cannot be dismissed, a fix is needed.			

History

#1 - Jun 10, 2015 12:44 PM - Massimiliano Assante

I think this check is messy, it seems mixing the check on the Images Servlet serving the iOS and Android app AppliFish (in the first part) and the gCube Search where you indicate the URL portal,i-marine....

I'll try to explain in the following:

- The Images Servlet serving the iOS and Android app AppliFish is deployed on services.d4science.org only. (wget http://\$1/images/report/xml)
- The cube search can be tested like you're doing through the ASLHttpblabla call which, in this very moment, is working -> <http://www.i-marine.d4science.org/aslHttpInformationRetrieval/GenericSearch?responseType=xml&searchTerms=%22tuna%22&allFields=false&count=1>

hope this helps

#2 - Jun 10, 2015 12:47 PM - Massimiliano Assante

- Assignee changed from Massimiliano Assante to Andrea Dell'Amico

If my Analysis is right you may need to correct the Nagios check

#3 - Jun 10, 2015 12:55 PM - Andrea Dell'Amico

Sorry, I just noted that the formatting lost a part of the script. The line

```
wget http://$1/images/report/xml -O $FILE_TMP > /dev/null 2>&1
```

is only used on the check dedicated to service.d4science.org.
The i-marine check uses the second URL only.

#4 - Jun 10, 2015 01:00 PM - Andrea Dell'Amico

- File `check_search.sh` added
- File `check_images.sh` added

I attach the two scripts to clarify.

#5 - Jun 10, 2015 02:04 PM - Massimiliano Assante

okay, clear now.
Is the second (search) failing now? It should not because if I click on <http://portal.i-marine.d4science.org/asiHttpInformationRetrieval/GenericSearch?responseType=xml&searchTerms=%22tuna%22&allFields=false&count=1> i get an answer in 10 seconds (circa).

If it is failing now then there's something wrong in the search check. If it is not failing then I'm not sure what we can do as the problem resides on the QoS of the search implemented by NKUOA.

#6 - Jun 10, 2015 04:07 PM - Andrea Dell'Amico

- File `gcube_search_trends.png` added

It's working correctly since the start of the month, but it flipped a lot in May.
When it fails it's always because the request times out, and the actual timeout is 240 seconds.

#7 - Jun 10, 2015 04:35 PM - Massimiliano Assante

then the ticket can be closed for me.

#8 - Jun 10, 2015 04:35 PM - Andrea Dell'Amico

- Status changed from *New* to *Rejected*

Files			
check_search.sh	571 Bytes	Jun 10, 2015	Andrea Dell'Amico
check_images.sh	433 Bytes	Jun 10, 2015	Andrea Dell'Amico
gcube_search_trends.png	8.55 KB	Jun 10, 2015	Andrea Dell'Amico