D4Science Infrastructure - Task #3133

Install monitoring checks on access.d4science.org

Apr 05, 2016 10:55 AM - Roberto Cirillo

Status:	Closed		**Start date:**	Apr 05, 2016
Priority:	Low		**Due date:**	
Assignee:	_InfraScience Systems Engineer		**% Done:**	100%
Category:	System Application		**Estimated time:**	0.00 hour
Target version:	improve access.d4science.org			
Infrastructure:	Development, Pre-Production			

Description
It's need a standard nagios check on port 8080 and to check the memory usage of this host. What check do you suggest for memory usage? Ganglia or Munin?

History

#1 - Apr 05, 2016 11:34 AM - Andrea Dell'Amico

Munin will be dismissed in a not so distant future, I hope. I'll add the node to the gcore ganglia cluster.

About the http check: is there a 'standard' URL to check the gcore nodes status? I see that the majority of the gcore checks are simply a test that the port is open.

#2 - Apr 05, 2016 11:44 AM - Roberto Cirillo

Andrea Dell'Amico wrote:

> Munin will be dismissed in a not so distant future, I hope. I'll add the node to the gcore ganglia cluster.

ok

> About the http check: is there a 'standard' URL to check the gcore nodes status? I see that the majority of the gcore checks are simply a test that the port is open.

Yes, this is true but at the moment, I think, we don't have a better check for this type of service. @gianpaolo.coro@isti.cnr.it have you any idea about this?

#3 - Apr 05, 2016 11:50 AM - Gianpaolo Coro

Unfortunately, I don't have any information about this, especially since this is an old gCube (WSDL-based) service.
Maybe a call to the IS could do the job. For example, if there was an Out-of-Memory error, the service should not be able to update its status on the IS and this could result from the interrogation to the IS. @lucio.lelii@isti.cnr.it is there such a REST-like check? Alternatively, is there a means to monitor the machine service status in another way than asking to the service?

#4 - Apr 05, 2016 11:55 AM - Andrea Dell'Amico

If the WSDL lives at a fixed position, the nagios check could try to fetch it.
A call to the IS to check a service that lives elsewhere seems too convoluted to me.

#5 - Apr 05, 2016 11:57 AM - Lucio Lelii

the simpler solution is to ask for the wsdl of one of the base services in gcore (eg.
http://node1.d.d4science.research-infrastructures.eu:8080/wsrf/services/gcube/common/vremanagement/GHNManager?WSDL)

#6 - Apr 05, 2016 12:02 PM - Roberto Cirillo

@lucio.lelii@isti.cnr.it could this solution be generalized for all ghn containers?

#7 - Apr 05, 2016 12:04 PM - Lucio Lelii

Yes, the ghnManager is installed on all gCore container

#8 - Apr 05, 2016 12:24 PM - Roberto Cirillo

I think we could progressively migrate all checks "port based" to checks "wsdl based" , for every container gCore in production environment. If you agree on this, I'm going to open a new ticket with a list of all container involved in this task.

#9 - Apr 05, 2016 12:48 PM - Andrea Dell'Amico

- Status changed from New to In Progress

- % Done changed from 0 to 60

Roberto Cirillo wrote:

> I think we could progressively migrate all checks "port based" to checks "wsdl based" , for every container gCore in production environment. If you agree on this, I'm going to open a new ticket with a list of all container involved in this task.

Yes please.

Ganglia is active on the node, btw.

#10 - Apr 05, 2016 01:38 PM - Andrea Dell'Amico

- Status changed from In Progress to Closed

- % Done changed from 60 to 100

nagios is also active.