

D4Science Infrastructure - Task #10954

There is no limit to the access log file number

Jan 17, 2018 11:28 AM - Tommaso Piccioli

Status:	Closed	Start date:	Jan 17, 2018
Priority:	Low	Due date:	
Assignee:	Tommaso Piccioli	% Done:	100%
Category:	Application	Estimated time:	0.00 hour
Target version:	UnSprintable		
Infrastructure:	Pre-Production		
<b>Description</b> It seems that there is no limit the number of the access.log files after they are rotated (one a day)  I notice this on <a href="mailto:gcube@collector-pre.d4science.org">gcube@collector-pre.d4science.org</a> and <a href="mailto:gcube@registry-pre.d4science.org">gcube@registry-pre.d4science.org</a> Probably the problem is on other servers, in pre-prod, dev and prod.			
<b>Related issues:</b> Related to D4Science Infrastructure - Task #11522: Provide a cronjob for remo... <div>ClosedMar 26, 2018</div>			

History

#1 - Jan 18, 2018 10:32 AM - Roberto Cirillo

- Tracker changed from Support to Task
- Status changed from New to In Progress
- Priority changed from Normal to Low

I guess this problem is present in all the containers gCore based.  
I've checked the following nodes and this issue is present in all the following nodes:

node66.p.d4science  
node24.p.d4science  
collector-pre  
registry-pre

The configuration is the following so we should have only 30 access.log files in the container:

```
#GCUBEHandler logger
log4j.logger.org.gcube.common.handlers=TRACE,ACCESS
log4j.appender.ACCESS=org.apache.log4j.DailyRollingFileAppender
log4j.appender.ACCESS.file=${GLOBUS_LOCATION}/logs/access.log
log4j.appender.ACCESS.DatePattern='.'yyyy-MM-dd
log4j.appender.ACCESS.layout=org.apache.log4j.PatternLayout
log4j.appender.ACCESS.layout.ConversionPattern=%d{ISO8601} %-5p %c{2} [%t,%M:%L] %m%n
log4j.appender.ACCESS.threshold=INFO
log4j.appender.ACCESS.MaxBackupIndex=30
log4j.appender.ACCESS.MaxFileSize=10000KB
```

I'm going to investigate on this

#2 - Jan 18, 2018 10:52 AM - Roberto Cirillo

- Status changed from In Progress to Feedback
- Assignee changed from Roberto Cirillo to Tommaso Piccioli
- % Done changed from 0 to 100

The property MaxBackupIndex is present on the appender but it doesn't take effect because the current version of Log4j (Apache log4j 1.2.6) does not provide any mechanism to delete old log files if you are using DailyRollingFileAppender.  
So I guess we can provide a fast solution installing a cronjob to do this job and deploy it on every gCore based node. What do you think about it?

#3 - Jan 18, 2018 03:13 PM - Tommaso Piccioli

I would prefer a good solution instead of a quick solution.  
Changing the log4j version could help?

**#4 - Jan 18, 2018 04:51 PM - Roberto Cirillo**

Tommaso Piccioli wrote:

I would prefer a good solution instead of a quick solution.  
Changing the log4j version could help?

It is not so easily to do. If I'm not wrong, we should migrate to log4j2 and change the appender but I don't know if it is feasible on gCore based containers @lucio.lelii@isti.cnr.it , @pasquale.pagano@isti.cnr.it what do you think about?

**#5 - Jan 18, 2018 05:56 PM - Pasquale Pagano**

- File Screen Shot 2018-01-18 at 17.53.21.png added

In the attachment, there should be the servers running gCore. It is a small number of servers that should be dismissed in the first semester of 2018. I would implement the shortest and costless solution for those servers.

**#6 - Jan 18, 2018 06:00 PM - Lucio Lelii**

I agree with Lino and Roberto, the costless solution is the best since the gCore based services will be dismissed in a short time.

**#7 - Mar 26, 2018 11:31 AM - Roberto Cirillo**

- Related to Task #11522: Provide a cronjob for removing old access.log files added

**#8 - Oct 30, 2018 11:42 AM - Roberto Cirillo**

- Status changed from Feedback to Closed

**Files**

Screen Shot 2018-01-18 at 17.53.21.png	481 KB	Jan 18, 2018	Pasquale Pagano
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