

D4Science Infrastructure - Task #12788

DMPoolManager - The dm-pool-manager-pre.d4science.org has problems when an algorithm is republished

Oct 26, 2018 11:46 AM - Giancarlo Panichi

Status:	Closed	Start date:	Oct 26, 2018
Priority:	High	Due date:	May 02, 2019
Assignee:	Lucio Lelii	% Done:	100%
Category:	Application	Estimated time:	0.00 hour
Target version:	DMPoolManager - bugs fix		
Infrastructure:	Pre-Production		
Description			
The dm-pool-manager-pre.d4science.org has problems when an algorithm is republished. Perhaps it might even be necessary to upgrade the machine. Please can you check? Thanks An error occurred while deploying your algorithm Here are the error details: Installation failed. Return code=2 Algorithm details: User: Giancarlo Panichi Algorithm name: PARAMETERSCHECKER Staging DataMiner Host: dataminer-ghost-t.pre.d4science.org Caller VRE: /gcube/preprod/preVRE Target VRE: /gcube/preprod/preVRE 16:32:44.444 [catalina-exec-1] INFO RequestAccounting: REQUEST START ON dataminer-pool-manager:DataAnalysis(/api/monitor) CALLED FROM giancarlo.panichi@146.48.122.240 IN SCOPE /gcube/preprod/preVRE 16:32:44.446 [catalina-exec-1] INFO RequestAccounting: REQUEST SERVED ON dataminer-pool-manager:DataAnalysis(/api/monitor) CALLED FROM giancarlo.panichi@146.48.122.240 IN SCOPE /gcube/preprod/preVRE FINISHED IN 2 millis 16:32:46.026 [Thread-23] ERROR DMPMJob: Operation failed: Ansible work failed 16:32:46.026 [Thread-23] ERROR DMPMJob: Exception: org.gcube.dataanalysis.dataminer.poolmanager.service.exceptions.AnsibleException: Ansible work failed at org.gcube.dataanalysis.dataminer.poolmanager.service.DMPMJob.installation(DMPMJob.java:172) at org.gcube.dataanalysis.dataminer.poolmanager.service.DMPMJob.execute(DMPMJob.java:207) at org.gcube.dataanalysis.dataminer.poolmanager.service.StagingJob.execute(StagingJob.java:32) at org.gcube.dataanalysis.dataminer.poolmanager.service.DMPMJob\$1.run(DMPMJob.java:88) at java.lang.Thread.run(Thread.java:748) 16:32:46.410 [Thread-23] ERROR SendMail: Error in the IO process java.io.IOException: Server returned HTTP response code: 400 for URL: https://socialnetworking-t.pre.d4science.org/social-networking-library-ws/rest/messages/writeMessageToUsers?gcube-token=04269c7d-dab7-498a-841d-8d38ae2d482b-98187548 at sun.net.www.protocol.http.HttpURLConnection.getInputStream0(HttpURLConnection.java:1894) at sun.net.www.protocol.http.HttpURLConnection.getInputStream(HttpURLConnection.java:1492) at sun.net.www.protocol.https.HttpsURLConnectionImpl.getInputStream(HttpsURLConnectionImpl.java:263) at org.gcube.dataanalysis.dataminer.poolmanager.util.SendMail.sendPostRequest(SendMail.java:165)			

```

    at org.gcube.dataanalysis.dataminer.poolmanager.util.SendMail.sendNotification(SendMail.java:9
4)
    at org.gcube.dataanalysis.dataminer.poolmanager.service.DMPMJob.execute(DMPMJob.java:223)
    at org.gcube.dataanalysis.dataminer.poolmanager.service.StagingJob.execute(StagingJob.java:32)
    at org.gcube.dataanalysis.dataminer.poolmanager.service.DMPMJob$1.run(DMPMJob.java:88)
    at java.lang.Thread.run(Thread.java:748)
16:32:46.410 [Thread-23] ERROR DMPMJob: Unable to send notification email
org.gcube.dataanalysis.dataminer.poolmanager.util.exception.EmailException: Unable to send email n
otification
    at org.gcube.dataanalysis.dataminer.poolmanager.util.SendMail.sendNotification(SendMail.java:9
7)
    at org.gcube.dataanalysis.dataminer.poolmanager.service.DMPMJob.execute(DMPMJob.java:223)
    at org.gcube.dataanalysis.dataminer.poolmanager.service.StagingJob.execute(StagingJob.java:32)
    at org.gcube.dataanalysis.dataminer.poolmanager.service.DMPMJob$1.run(DMPMJob.java:88)
    at java.lang.Thread.run(Thread.java:748)
16:32:46.503 [catalina-exec-2] INFO RequestContextRetriever: retrieving context using token 04269
c7d-dab7-498a-841d-8d38ae2d482b-98187548
16:32:46.504 [catalina-exec-2] INFO RequestContextRetriever: retrieved request authorization info
org.gcube.common.authorization.library.utils.Caller@684bdaf0 in scope /gcube/preprod/preVRE

```

Related issues:

Related to D4Science Infrastructure - Upgrade #12739: /gcube/preprod upgrade ...	Completed	Oct 19, 2018	Oct 29, 2018
Related to D4Science Infrastructure - Task #12794: Workspace - Download probl...	Closed	Oct 29, 2018	

History

#1 - Oct 26, 2018 03:54 PM - Giancarlo Panichi

- Assignee changed from *Ciro Formisano* to *Lucio Lelii*

I tried to run ansible from the command line and I noticed these logs:

```

gcube@dm-pool-manager-pre:~/dataminer-pool-manager/work/62b21472-63b8-4c72-874e-504aad83d55d$ ansible-playbook
-v -i inventory.yaml playbook.yaml
Using /etc/ansible/ansible.cfg as config file
/home/gcube/dataminer-pool-manager/work/62b21472-63b8-4c72-874e-504aad83d55d/inventory.yaml did not meet host_
list requirements, check plugin documentation if this is unexpected
/home/gcube/dataminer-pool-manager/work/62b21472-63b8-4c72-874e-504aad83d55d/inventory.yaml did not meet scrip
t requirements, check plugin documentation if this is unexpected

PLAY [universe] *****
**

TASK [Gathering Facts] *****
**
ok: [dataminer-ghost-t.pre.d4science.org]

TASK [gcube-algorithm-DMPPOOLMANAGERCHECK : Install algorithm DMPPOOLMANAGERCHECK] *****
**
fatal: [dataminer-ghost-t.pre.d4science.org]: FAILED! => {"changed": true, "cmd": "/home/gcube/algorithmInstal
ler/addAlgorithm.sh DMPPOOLMANAGERCHECK BLACK_BOX org.gcube.dataanalysis.executor.rscripts.DMPoolManagerCheck /
gcube/preprod/preVRE transducerers N https://data1-d.d4science.net/shub/bc867d01-ba3c-427a-9abf-3a542a7916c6 \
"DM Pool Manager Check {Published by Giancarlo Panichi (giancarlo.panichi) on 2018/10/26 12:21 GMT}\\"", "delta
": "0:00:01.509639", "end": "2018-10-26 15:06:12.546733", "msg": "non-zero return code", "rc": 1, "start": "20
18-10-26 15:06:11.037094", "stderr": "SLF4J: Class path contains multiple SLF4J bindings.\nSLF4J: Found bindin
g in [jar:file:/home/gcube/tomcat/webapps/wps/WEB-INF/lib/logback-classic-1.1.11.jar!/org/slf4j/impl/StaticLog
gerBinder.class]\nSLF4J: Found binding in [jar:file:/home/gcube/tomcat/webapps/wps/WEB-INF/lib/slf4j-nop-1.7.1
0.jar!/org/slf4j/impl/StaticLoggerBinder.class]\nSLF4J: Found binding in [jar:file:/home/gcube/tomcat/lib/logb
ack-classic-1.1.11.jar!/org/slf4j/impl/StaticLoggerBinder.class]\nSLF4J: See http://www.slf4j.org/codes.html#m
ultiple_bindings for an explanation.\nSLF4J: Actual binding is of type [ch.qos.logback.classic.util.ContextSel
ectorStaticBinder]\nException in thread \"main\" java.lang.ClassNotFoundException: org.gcube.dataanalysis.exec
utor.rscripts.DMPoolManagerCheck\n\tat java.net.URLClassLoader.findClass(URLClassLoader.java:381)\n\tat java.l
ang.ClassLoader.loadClass(ClassLoader.java:424)\n\tat sun.misc.Launcher$AppClassLoader.loadClass(Launcher.java
:335)\n\tat java.lang.ClassLoader.loadClass(ClassLoader.java:357)\n\tat java.lang.Class.forName0(Native Method
)\n\tat java.lang.Class.forName(Class.java:264)\n\tat org.gcube.dataanalysis.wps.mapper.ClassGenerator.generat
eEcologicalEngineClasses(ClassGenerator.java:67)\n\tat org.gcube.dataanalysis.wps.mapper.ClassGenerator.<init>
(ClassGenerator.java:29)\n\tat org.gcube.dataanalysis.wps.mapper.DataMinerUpdater.Update(DataMinerUpdater.java
:283)\n\tat org.gcube.dataanalysis.wps.mapper.DataMinerUpdater.main(DataMinerUpdater.java:130)", "stderr_lines
": ["SLF4J: Class path contains multiple SLF4J bindings.", "SLF4J: Found binding in [jar:file:/home/gcube/tomc
at/webapps/wps/WEB-INF/lib/logback-classic-1.1.11.jar!/org/slf4j/impl/StaticLoggerBinder.class]", "SLF4J: Foun
d binding in [jar:file:/home/gcube/tomcat/webapps/wps/WEB-INF/lib/slf4j-nop-1.7.10.jar!/org/slf4j/impl/StaticL
oggerBinder.class]", "SLF4J: Found binding in [jar:file:/home/gcube/tomcat/lib/logback-classic-1.1.11.jar!/org

```

```

/slf4j/impl/StaticLoggerBinder.class]", "SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.", "SLF4J: Actual binding is of type [ch.qos.logback.classic.util.ContextSelectorStaticBinder]", "Exception in thread \"main\" java.lang.ClassNotFoundException: org.gcube.dataanalysis.executor.rscripts.DMPoolManagerCheck", ...}
    to retry, use: --limit @/home/gcube/.ansible_retry/playbook.retry

PLAY RECAP *****
**
dataminer-ghost-t.pre.d4science.org : ok=1    changed=0    unreachable=0    failed=1

Playbook run took 0 days, 0 hours, 0 minutes, 3 seconds

I and @roberto.cirillo@isti.cnr.it have seen that the .jar file is downloaded by adding underscore at the beginning and at the end of the file:

https://data1-d.d4science.net/shub/bc867d01-ba3c-427a-9abf-3a542a7916c6

_DMPoolManagerCheck.jar_

Please @lucio.lelii@isti.cnr.it , can you check what happens to the .jar files?
Thanks

#2 - Oct 26, 2018 04:07 PM - Ciro Formisano

I am not an expert on ansible. However I don't remember if the re-publication should have been supported. Are we sure that Ansible does not prevent the re-installation of the same algorithm?

#3 - Oct 26, 2018 05:50 PM - Giancarlo Panichi

Hi @ciro.formisano@eng.it , yes the republishing and updating of the algorithms is a requirement, and it has always worked. Now, we have realized that perhaps the problem is due to the file that is downloaded through UriResolver and StorageHub, for this @lucio.lelii@isti.cnr.it will investigate the matter.

#4 - Oct 29, 2018 09:59 AM - Roberto Cirillo
- Priority changed from Normal to High

#5 - Oct 29, 2018 10:00 AM - Roberto Cirillo
- Related to Upgrade #12739: /gcube/preprod upgrade to gCube 4.13 added

#6 - Oct 29, 2018 02:55 PM - Giancarlo Panichi
- Related to Task #12794: Workspace - Download problem with some file extension added

#7 - Oct 31, 2018 04:39 PM - Giancarlo Panichi

After the last corrections, I have done another test.
Now in case of update of the algorithm the file is written with the right name, but the content seems wrong:

Here the logs:

gcube@dm-pool-manager-pre:~/dataminer-pool-manager/work/db4e55da-1519-4b26-a5ec-ec92ca0809b5$ ansible-playbook
-v -i inventory.yaml playbook.yaml
Using /etc/ansible/ansible.cfg as config file
/home/gcube/dataminer-pool-manager/work/db4e55da-1519-4b26-a5ec-ec92ca0809b5/inventory.yaml did not meet host_
list requirements, check plugin documentation if this is unexpected
/home/gcube/dataminer-pool-manager/work/db4e55da-1519-4b26-a5ec-ec92ca0809b5/inventory.yaml did not meet scrip
t requirements, check plugin documentation if this is unexpected

PLAY [universe] *****
*****

TASK [Gathering Facts] *****
*****
ok: [dataminer-ghost-t.pre.d4science.org]

TASK [gcube-algorithm-DMPM_UPDATE_CHECKER : Install algorithm DMPM_UPDATE_CHECKER] *****
*****
fatal: [dataminer-ghost-t.pre.d4science.org]: FAILED! => {"changed": true, "cmd": "/home/gcube/algorithmInstal
ler/addAlgorithm.sh DMPM_UPDATE_CHECKER BLACK_BOX org.gcube.dataanalysis.executor.rscripts.DMPMUpdateChecker /
gcube/preprod/preVRE transducerers N https://data-d.d4science.net/shub/da558346-7d1a-4159-8780-a22e63f3c7dc \"
DMPM Update Checker {Published by Giancarlo Panichi (giancarlo.panichi) on 2018/10/31 15:04 GMT}\"", "delta":
"0:00:01.208403", "end": "2018-10-31 16:15:44.739404", "msg": "non-zero return code", "rc": 1, "start": "2018-
10-31 16:15:43.531001", "stderr": "SLF4J: Class path contains multiple SLF4J bindings.\nSLF4J: Found binding i
n [jar:file:/home/gcube/tomcat/webapps/wps/WEB-INF/lib/slf4j-nop-1.7.10.jar!/org/slf4j/impl/StaticLoggerBinder

```

```
.class]\nSLF4J: Found binding in [jar:file:/home/gcube/tomcat/webapps/wps/WEB-INF/lib/logback-classic-1.1.11.jar!/org/slf4j/impl/StaticLoggerBinder.class]\nSLF4J: Found binding in [jar:file:/home/gcube/tomcat/lib/logback-classic-1.1.11.jar!/org/slf4j/impl/StaticLoggerBinder.class]\nSLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.\nSLF4J: Actual binding is of type [org.slf4j.helpers.NOPLoggerFactory]\nException in thread \"main\" java.lang.ClassNotFoundException: org.gcube.dataanalysis.executor.rscripts.DMPMUpdateChecker\n\tat java.net.URLClassLoader.findClass(URLClassLoader.java:381)\n\tat java.lang.ClassLoader.loadClass(ClassLoader.java:424)\n\tat sun.misc.Launcher$AppClassLoader.loadClass(Launcher.java:335)\n\tat java.lang.ClassLoader.loadClass(ClassLoader.java:357)\n\tat java.lang.Class.forName0(Native Method)\n\tat java.lang.Class.forName(Class.java:264)
```

....

```
to retry, use: --limit @/home/gcube/.ansible_retry/playbook.retry
```

```
PLAY RECAP *****
*****
```

```
dataminer-ghost-t.pre.d4science.org : ok=1    changed=0    unreachable=0    failed=1
```

```
Playbook run took 0 days, 0 hours, 0 minutes, 3 seconds
```

Here the wrong file:

```
https://data-d.d4science.org/shub/da558346-7d1a-4159-8780-a22e63f3c7dc
```

This file matches on storagehub with:

```
"@class": "org.gcube.common.storagehub.model.items.GenericFileItem",
  "id": "da558346-7d1a-4159-8780-a22e63f3c7dc",
  "name": "DMPMUpdateChecker.jar",
  "path": "/Home/giancarlo.panichi/Workspace/TestSAI/BlackBox/DMPMUpdateChecker/Target/Deploy/DMPMUpdateChecker.jar",
  "parentId": "af27bbba-49d5-4192-abd1-7571fc4902c2",
  "parentPath": "/Home/giancarlo.panichi/Workspace/TestSAI/BlackBox/DMPMUpdateChecker/Target/Deploy",
```

By downloading this file from the Workspace we get the same error.

Therefore, when the SAI updates the algorithm(DMPMUpdateChecker.jar) some error occurs communicating with StorageHub.

So, the operations during this phase must be monitored to catch the error:

```
FileContainer.copy(folderContainer, "DMPMUpdateChecker.jar");
```

#9 - Apr 30, 2019 05:40 PM - Lucio Lelii

this ticket can be closed ?

#10 - May 02, 2019 09:46 AM - Giancarlo Panichi

- Due date set to May 02, 2019

- Status changed from New to Closed

- % Done changed from 0 to 100

Yes, the ticket is 6 months old. Now, there is a new Preproduction infrastructure.