

D4Science Infrastructure - Support #2299

Install DataMiner on the production machines for 3.10

Feb 18, 2016 11:39 AM - Gianpaolo Coro

Status:	Closed	Start date:	Feb 18, 2016
Priority:	High	Due date:	
Assignee:	_InfraScience Systems Engineer	% Done:	100%
Category:	High-Throughput-Computing	Estimated time:	0.00 hour
Infrastructure:	Production		
Description			
DataMiner should be installed, one machine at time, on the production environment machines:			
<code>dataminer1-p-d4s.d4science.org</code> <code>dataminer2-p-d4s.d4science.org</code>			
After each installation I can run tests to verify the correctness. The recent automatic installation by Andrea @andrea.dellamico@isti.cnr.it works in the development environment (dataminer1-d-d4s.d4science.org).			

History

#1 - Feb 18, 2016 11:44 AM - Andrea Dell'Amico

dataminer2-p-d4s.d4science.org is updated already, as I wrote yesterday. You only need to start the tomcat instance to be able to test it.

#2 - Feb 18, 2016 12:21 PM - Gianpaolo Coro

The following keys should be placed in the tomcat/webapps/wps/ecocfg/PARALLEL_PROCESSING/ folder to make all algorithms run

```
FARM.gcubekey
d4science.research-infrastructures.eu.gcubekey
gCubeApps.gcubekey
```

I remember this was in the previous production installation script.

#3 - Feb 18, 2016 12:32 PM - Andrea Dell'Amico

The script is there, a tag was missing and it was excluded from the upgrade tasks list.
Now it's fixed and the keys are in place.

#4 - Feb 18, 2016 12:39 PM - Gianpaolo Coro

dataminer2-p-d4s.d4science.org works correctly! dataminer1-p has been shutdown, so that dataminer2 responds to dataminer.d4science.org (and works).
Thus, the dataminer.d4science.org service is working now for all the algorithms. That's good news.

Once dataminer1-p will have been installed I will repeat tests on it.

#5 - Feb 18, 2016 02:17 PM - Andrea Dell'Amico

- Status changed from New to In Progress
- Assignee changed from Tommaso Piccioli to _InfraScience Systems Engineer
- % Done changed from 0 to 70

I'm starting the deploy of dataminer1-p

#6 - Feb 18, 2016 02:24 PM - Andrea Dell'Amico

- Status changed from In Progress to Feedback
- % Done changed from 70 to 100

dataminer1-p-d4s's upgrade is finished. I shut down the container.

#7 - Feb 18, 2016 02:48 PM - Gianpaolo Coro

The tomcat on dataminer1-p-d4s doesn't start or does not respond (no logging and no answers from the applications). Maybe something went wrong when you re-installed the environment?

#8 - Feb 18, 2016 05:24 PM - Gianpaolo Coro

It seems to be an issue with the javassist lib of tomcat. Did you meet this error previously?

```
2016-02-18 14:20:22,579 [localhost-startStop-1] INFO org.apache.catalina.startup.HostConfig- Deploying web application archive /home/gcube/tomcat/webapps/common-smartgears-probe.war
2016-02-18 14:20:23,677 [localhost-startStop-1] ERROR org.apache.catalina.startup.ContextConfig- Unable to process Jar entry [javassist/ByteArrayClassPath.class] from Jar [jar:file:/home/gcube/tomcat/lib/javassist-3.19.0-GA.jar!/] for annotations
java.io.EOFException
    at java.io.DataInputStream.readUnsignedShort (DataInputStream.java:340)
    at org.apache.tomcat.util.bcel.classfile.Utility.swallowMethodParameters (Utility.java:797)
    at org.apache.tomcat.util.bcel.classfile.Attribute.readAttribute (Attribute.java:171)
    at org.apache.tomcat.util.bcel.classfile.FieldOrMethod.<init> (FieldOrMethod.java:57)
    at org.apache.tomcat.util.bcel.classfile.Method.<init> (Method.java:71)
    at org.apache.tomcat.util.bcel.classfile.ClassParser.readMethods (ClassParser.java:267)
    at org.apache.tomcat.util.bcel.classfile.ClassParser.parse (ClassParser.java:127)
    at org.apache.catalina.startup.ContextConfig.processAnnotationsStream (ContextConfig.java:2058)
    at org.apache.catalina.startup.ContextConfig.processAnnotationsJar (ContextConfig.java:1934)
    at org.apache.catalina.startup.ContextConfig.processAnnotationsUrl (ContextConfig.java:1900)
    at org.apache.catalina.startup.ContextConfig.processAnnotations (ContextConfig.java:1885)
    at org.apache.catalina.startup.ContextConfig.webConfig (ContextConfig.java:1317)
    at org.apache.catalina.startup.ContextConfig.configureStart (ContextConfig.java:876)
    at org.apache.catalina.startup.ContextConfig.lifecycleEvent (ContextConfig.java:374)
    at org.apache.catalina.util.LifecycleSupport.fireLifecycleEvent (LifecycleSupport.java:117)
    at org.apache.catalina.util.LifecycleBase.fireLifecycleEvent (LifecycleBase.java:90)
    at org.apache.catalina.core.StandardContext.startInternal (StandardContext.java:5378)
    at org.apache.catalina.util.LifecycleBase.start (LifecycleBase.java:150)
    at org.apache.catalina.core.ContainerBase.addChildInternal (ContainerBase.java:901)
    at org.apache.catalina.core.ContainerBase.addChild (ContainerBase.java:877)
    at org.apache.catalina.core.StandardHost.addChild (StandardHost.java:649)
    at org.apache.catalina.startup.HostConfig.deployWAR (HostConfig.java:1083)
    at org.apache.catalina.startup.HostConfig$DeployWar.run (HostConfig.java:1880)
    at java.util.concurrent.Executors$RunnableAdapter.call (Executors.java:471)
    at java.util.concurrent.FutureTask.run (FutureTask.java:262)
    at java.util.concurrent.ThreadPoolExecutor.runWorker (ThreadPoolExecutor.java:1145)
    at java.util.concurrent.ThreadPoolExecutor$Worker.run (ThreadPoolExecutor.java:615)
    at java.lang.Thread.run (Thread.java:745)
2016-02-18 14:20:23,683 [localhost-startStop-1] ERROR org.apache.catalina.startup.ContextConfig- Unable to process Jar entry [javassist/CannotCompileException.class] from Jar [jar:file:/home/gcube/tomcat/lib/javassist-3.19.0-GA.jar!/] for annotations
java.io.EOFException
    at java.io.DataInputStream.readUnsignedShort (DataInputStream.java:340)
    at org.apache.tomcat.util.bcel.classfile.Utility.swallowMethodParameters (Utility.java:796)
    at org.apache.tomcat.util.bcel.classfile.Attribute.readAttribute (Attribute.java:171)
    at org.apache.tomcat.util.bcel.classfile.FieldOrMethod.<init> (FieldOrMethod.java:57)
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```

#9 - Feb 18, 2016 08:51 PM - Andrea Dell'Amico

This one happens on all the dataminer installation when tomcat starts. I told you on skype the other day about it. It seems harmless.

The problem was instead that /home/gcube/Smartgears/state/ghn.xml was corrupted. Removing the 'state' directory solves the problem. It happens regularly when the container is restarted more than once and there's a small amount of time from one restart and the other. I opened a bug about it some days ago: <https://support.d4science.org/issues/2176>

I just removed /home/gcube/Smartgears/state, you can start the server at any time now.

#10 - Feb 18, 2016 09:10 PM - Andrea Dell'Amico

I also imported into the pom.xml used by the playbook the dependencies that you sent me:

```
<dependency>
  <groupId>org.gcube.dataanalysis</groupId>
```

```
<artifactId>ecological-engine-external-algorithms</artifactId>
<version>[1.1.5-SNAPSHOT,2.0.0-SNAPSHOT]</version>
  <exclusions>
    <exclusion>
      <artifactId>slf4j-api</artifactId>
      <groupId>org.slf4j</groupId>
    </exclusion>
    <exclusion>
<artifactId>common-utils-encryption</artifactId>
      <groupId>org.gcube.core</groupId>
    </exclusion>
    <exclusion>
<artifactId>common-encryption</artifactId>
      <groupId>org.gcube.core</groupId>
    </exclusion>
    <exclusion>
<artifactId>accounting-lib</artifactId>
<groupId>org.gcube.accounting</groupId>
      </exclusion>
    </exclusions>
  </dependency>
```

#11 - Feb 18, 2016 09:38 PM - Gianpaolo Coro

- *Status changed from Feedback to Closed*

It works! Both are in production environment.