

## D4Science Infrastructure - Task #10273

### DataMiner algorithms local testing

Nov 08, 2017 06:44 PM - Gianpaolo Coro

<b>Status:</b>	Closed	<b>Start date:</b>	Nov 08, 2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Lucio Lelii	<b>% Done:</b>	100%
<b>Category:</b>	High-Throughput-Computing	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Data Processing		
<b>Infrastructure:</b>	Production		
<b>Description</b>			
Local machine testing of DM algorithms does not work anymore. Further, there are sudden issues now on the Support Vector Machines algorithms that are preventing their correct work			
<pre>Exception in thread "Thread-3259" java.lang.IllegalAccessException: libsvm/Solver\$SolutionInfo   at libsvm.svm.svm_train_one(svm.java:1506)   at libsvm.svm.svm_train(svm.java:2067)   at org.gcube.data.analysis.algorithms.supportvectormachine.SVM2ClassOperations.runModel(SVM2ClassOperations.java:1229)   at org.gcube.data.analysis.algorithms.supportvectormachine.SVM2ClassOperations.runSingleModel(SVM2ClassOperations.java:270)   at org.gcube.data.analysis.algorithms.supportvectormachine.SVM2ClassOperations.run(SVM2ClassOperations.java:198)</pre>			
The algorithms implementation Wiki is also based on the testing part. Is it possible to restore the old way?			

### History

#### #1 - Nov 09, 2017 12:37 PM - Lucio Lelii

- Status changed from New to In Progress

- % Done changed from 0 to 10

#### #2 - Nov 09, 2017 05:02 PM - Lucio Lelii

I have found the problem. An old version of libsvm is embedded in the rapidminer-custom jar. With the dynamic classloader for algorithms introduced in Dataminer it create a conflict.

I really don't know how to solve it. Uberjars are evil, the solution is to remove the uberjars from everywhere.

#### #3 - Nov 09, 2017 05:21 PM - Giancarlo Panichi

A simple solution could be to implement the algorithm as Java Black-Box using the SAI

#### #4 - Nov 09, 2017 05:23 PM - Pasquale Pagano

can we rebuild the rapidminer-custom jar with an up-to-date version of libsvm?

#### #5 - Nov 09, 2017 05:30 PM - Lucio Lelii

- Assignee changed from Lucio Lelii to Giancarlo Panichi

@g.panichi@isti.cnr.it try it on proto and let me know. In case it doesn't work reassign the ticket to me

#### #6 - Nov 09, 2017 06:38 PM - Giancarlo Panichi

- Assignee changed from Giancarlo Panichi to Lucio Lelii

@lucio.lelii@isti.cnr.it you know that this algorithm is not developed by me. @scarponi@isti.cnr.it is evaluating the best solution.

#### #7 - Nov 10, 2017 10:58 AM - Paolo Scarponi

- Priority changed from Urgent to Normal

We may have found a solution, in any case this is not urgent anymore. It's up to Lucio to decide whether to close the incident and open a task, or

switch this one to a task.

**#8 - Nov 10, 2017 12:24 PM - Pasquale Pagano**

- *Tracker changed from Incident to Task*

**#9 - Apr 30, 2019 05:37 PM - Lucio Lelii**

- *Status changed from In Progress to Closed*