

The accounting-aggregator exhausted all the available memory

Oct 18, 2017 06:25 PM - Andrea Dell'Amico

Status:	Closed	Start date:	Oct 18, 2017
Priority:	Normal	Due date:	
Assignee:	Luca Frosini	% Done:	100%
Category:	System Application	Estimated time:	0.00 hour
Target version:	UnSprintable		
Infrastructure:	Production		
Description			
And was killed by the OOM.			
There's now a nagios handler that automatically restarts it, but an investigation is required to understand if there's a leak somewhere or more memory is needed. Both the available RAM and the heap size were increased some days ago.			

History

#1 - Oct 18, 2017 06:30 PM - Andrea Dell'Amico

In the logs (catalina.out, btw) there's the following exception, multiple times:

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Oct 18, 2017 6:07:54 PM com.orienttechnologies.common.log.OLogManager log
INFO: Caught Network I/O errors on orientdb01-d4s.d4science.org:2424/smartexecutor, trying an automatic reconnection... (error: Error during exception deserialization: java.lang.ClassNotFoundException: com.orienttechnologies.orient.server.distributed.ODistributedException)
Oct 18, 2017 6:07:54 PM com.orienttechnologies.common.log.OLogManager log
SEVERE: Error during exception deserialization
java.lang.ClassNotFoundException: com.orienttechnologies.orient.server.distributed.ODistributedException
    at org.apache.catalina.loader.WebappClassLoader.loadClass(WebappClassLoader.java:1718)
    at org.apache.catalina.loader.WebappClassLoader.loadClass(WebappClassLoader.java:1569)
    at java.lang.Class.forName0(Native Method)
    at java.lang.Class.forName(Class.java:348)
    at java.io.ObjectInputStream.resolveClass(ObjectInputStream.java:677)
    at java.io.ObjectInputStream.readNonProxyDesc(ObjectInputStream.java:1826)
    at java.io.ObjectInputStream.readClassDesc(ObjectInputStream.java:1713)
    at java.io.ObjectInputStream.readOrdinaryObject(ObjectInputStream.java:2000)
    at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1535)
    at java.io.ObjectInputStream.defaultReadFields(ObjectInputStream.java:2245)
    at java.io.ObjectInputStream.defaultReadObject(ObjectInputStream.java:552)
    at java.lang.Throwable.readObject(Throwable.java:914)
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at java.io.ObjectStreamClass.invokeReadObject(ObjectStreamClass.java:1058)
    at java.io.ObjectInputStream.readSerialData(ObjectInputStream.java:2136)
    at java.io.ObjectInputStream.readOrdinaryObject(ObjectInputStream.java:2027)
    at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1535)
    at java.io.ObjectInputStream.readObject(ObjectInputStream.java:422)
    at com.orienttechnologies.orient.client.binary.OChannelBinaryAsynchClient.throwSerializedException(OChannelBinaryAsynchClient.java:429)
    at com.orienttechnologies.orient.client.binary.OChannelBinaryAsynchClient.handleStatus(OChannelBinaryAsynchClient.java:393)
    at com.orienttechnologies.orient.client.binary.OChannelBinaryAsynchClient.beginResponse(OChannelBinaryAsynchClient.java:275)
    at com.orienttechnologies.orient.client.binary.OChannelBinaryAsynchClient.beginResponse(OChannelBinaryAsynchClient.java:167)
    at com.orienttechnologies.orient.client.remote.OSTorageRemote.beginResponse(OSTorageRemote.java:2225)
    at com.orienttechnologies.orient.client.remote.OSTorageRemote$12.execute(OSTorageRemote.java:793)
    at com.orienttechnologies.orient.client.remote.OSTorageRemote$12.execute(OSTorageRemote.java:789)
    at com.orienttechnologies.orient.client.remote.OSTorageRemote$1.execute(OSTorageRemote.java:166)
    at com.orienttechnologies.orient.client.remote.OSTorageRemote.baseNetworkOperation(OSTorageRemote.java:243)
    at com.orienttechnologies.orient.client.remote.OSTorageRemote.asyncNetworkOperation(OSTorageRemote.java:158)
    at com.orienttechnologies.orient.client.remote.OSTorageRemote.updateRecord(OSTorageRemote.java:773)
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        at com.orienttechnologies.orient.core.db.document.ODatabaseDocumentTx.executeSaveRecord(ODatabaseDocume
ntTx.java:2183)
        at com.orienttechnologies.orient.core.tx.OTransactionNoTx.saveRecord(OTransactionNoTx.java:181)
        at com.orienttechnologies.orient.core.db.document.ODatabaseDocumentTx.save(ODatabaseDocumentTx.java:270
7)
    )
        at com.orienttechnologies.orient.core.db.document.ODatabaseDocumentTx.save(ODatabaseDocumentTx.java:102
)
        at com.orienttechnologies.orient.core.record.impl.ODocument.save(ODocument.java:1805)
        at com.orienttechnologies.orient.core.record.impl.ODocument.save(ODocument.java:1796)
        at org.gcube.vremanagement.executor.persistence.orientdb.OrientDBPersistenceConnector.releaseScheduled
Task(OrientDBPersistenceConnector.java:364)
        at org.gcube.vremanagement.executor.persistence.orientdb.OrientDBPersistenceConnector.releaseScheduled
Task(OrientDBPersistenceConnector.java:380)
        at org.gcube.vremanagement.executor.persistence.orientdb.OrientDBPersistenceConnector.reserveScheduled
Task(OrientDBPersistenceConnector.java:325)
        at org.gcube.vremanagement.executor.SmartExecutorInitializer.onInit(SmartExecutorInitializer.java:
354)
        at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call(RegisterApplicationMana
gerObserver.java:157)
        at org.gcube.smartgears.RegisterApplicationManagerObserver$InitAppManager.call(RegisterApplicationMana
gerObserver.java:138)
        at java.util.concurrent.FutureTask.run(FutureTask.java:266)
        at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
        at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
        at java.lang.Thread.run(Thread.java:748)

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#2 - Oct 25, 2017 12:49 PM - Luca Frosini

- Status changed from New to Closed

- % Done changed from 0 to 100

This issue happen when the plug-in trying to aggregate a day having thousand of records which are not aggregable .The plugin need more than one day to terminate. Infact, it has to compare thousand of records and at the end keep in in memory. We should investigate instead why this situation occur.

I'm going to close this ticket.