

D4Science Infrastructure - Incident #5591

The new authorization service stops responding

Oct 28, 2016 09:38 AM - Andrea Dell'Amico

Status:	Closed	Start date:	Oct 28, 2016
Priority:	Immediate	Due date:	
Assignee:	Lucio Lelii	% Done:	100%
Category:	Application	Estimated time:	0.00 hour
Target version:	D4Science Infrastructure Upgrade to gCube 4.1.0		
Infrastructure:	Production		

Description

It seems that the authorization service is not able to handle the amount of requests that come from the tagme service. It stops responding to any request and the logs report these exceptions (into the standard error, they are not passed to the logging framework, btw):

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[EL Severe]: cache: 2016-10-28 07:35:49.899--ClientSession(2093855182)--MAX TIME 600 seconds EXCEEDED FOR WRITELOCKMANAGER WAIT. Waiting on Entity type: org.gcube.common.authorizationservice.persistence.entities.UserAuthorizationEntitywith pk: [[/d4science.research-infrastructures.eu/SoBigData/TagMe, TOKEN, valerio.arnaboldi]: 1489348741] currently locked by thread: catalina-exec-23 with the following trace:
    atorg.eclipse.persistence.sessions.server.ConnectionPool.releaseConnection(ConnectionPool.java:325)
    atorg.eclipse.persistence.sessions.server.ServerSession.releaseClientSession(ServerSession.java:827)
    atorg.eclipse.persistence.sessions.server.ClientSession.releaseWriteConnection(ClientSession.java:696)
    atorg.eclipse.persistence.sessions.server.ClientSession.basicCommitTransaction(ClientSession.java:182)
    atorg.eclipse.persistence.internal.sessions.AbstractSession.commitTransaction(AbstractSession.java:962)
    atorg.eclipse.persistence.internal.sessions.UnitOfWorkImpl.commitTransaction(UnitOfWorkImpl.java:1600)
    atorg.eclipse.persistence.internal.sessions.RepeatableWriteUnitOfWork.commitTransaction(RepeatableWriteUnitOfWork.java:647)
    atorg.eclipse.persistence.internal.sessions.UnitOfWorkImpl.commitTransactionAfterWriteChanges(UnitOfWorkImpl.java:1615)
    atorg.eclipse.persistence.internal.sessions.RepeatableWriteUnitOfWork.commitRootUnitOfWork(RepeatableWriteUnitOfWork.java:284)
    atorg.eclipse.persistence.internal.sessions.UnitOfWorkImpl.commitAndResume(UnitOfWorkImpl.java:1169)
    atorg.eclipse.persistence.internal.jpa.transaction.EntityTransactionImpl.commit(EntityTransactionImpl.java:132)
    atorg.gcube.common.authorizationservice.persistence.RelationDBPersistence.getAuthorizationEntry(RelationDBPersistence.java:67)
    atorg.gcube.common.authorizationservice.TokenManager.retrieveToken(TokenManager.java:53)
    atsun.reflect.GeneratedMethodAccessor25.invoke(Unknown Source)
    atsun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    atjava.lang.reflect.Method.invoke(Method.java:606)
    atorg.glassfish.jersey.server.model.internal.ResourceMethodInvocationHandlerFactory$1.invoke(ResourceMethodInvocationHandlerFactory.java:81)
    atorg.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher$1.run(AbstractJavaResourceMethodDispatcher.java:151)
    atorg.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.invoke(AbstractJavaResourceMethodDispatcher.java:171)
    atorg.glassfish.jersey.server.model.internal.JavaResourceMethodDispatcherProvider$TypeOutInvoker.doDispatch(JavaResourceMethodDispatcherProvider.java:195)
    atorg.glassfish.jersey.server.model.internal.AbstractJavaResourceMethodDispatcher.dispatch(AbstractJavaResourceMethodDispatcher.java:104)
    atorg.glassfish.jersey.server.model.ResourceMethodInvoker.invoke(ResourceMethodInv
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oker.java:384)
    atorg.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvo
ker.java:342)
    atorg.glassfish.jersey.server.model.ResourceMethodInvoker.apply(ResourceMethodInvo
ker.java:101)
    atorg.glassfish.jersey.server.ServerRuntime$1.run(ServerRuntime.java:271)
    atorg.glassfish.jersey.internal.Errors$1.call(Errors.java:271)
    atorg.glassfish.jersey.internal.Errors$1.call(Errors.java:267)
    atorg.glassfish.jersey.internal.Errors.process(Errors.java:315)
    atorg.glassfish.jersey.internal.Errors.process(Errors.java:297)
    atorg.glassfish.jersey.internal.Errors.process(Errors.java:267)
    atorg.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:
297)
    atorg.glassfish.jersey.server.ServerRuntime.process(ServerRuntime.java:254)
    atorg.glassfish.jersey.server.ApplicationHandler.handle(ApplicationHandler.java:10
30)
    atorg.glassfish.jersey.servlet.WebComponent.service(WebComponent.java:373)
    atorg.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:381)
    atorg.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:344)
    atorg.glassfish.jersey.servlet.ServletContainer.service(ServletContainer.java:221)
    atorg.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilt
erChain.java:303)
    atorg.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.
java:208)
    atorg.gcube.common.authorizationservice.filters.AuthorizedCallFilter.doFilter(Auth
orizedCallFilter.java:88)
    atorg.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilt
erChain.java:241)
    atorg.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.
java:208)
    atorg.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:2
20)
    atorg.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:1
22)
    atorg.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.jav
a:501)
    atorg.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:170)
    atorg.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:98)
    atorg.apache.catalina.valves.AccessLogValve.invoke(AccessLogValve.java:950)
    atorg.apache.catalina.valves.RemoteIpValve.invoke(RemoteIpValve.java:683)
    atorg.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:116
)
    atorg.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:408)
    atorg.apache.coyote.http11.AbstractHttp11Processor.process(AbstractHttp11Processor
.java:1041)
    atorg.apache.coyote.AbstractProtocol$AbstractConnectionHandler.process(AbstractPro
tocol.java:607)
    atorg.apache.tomcat.util.net.JIoEndpoint$SocketProcessor.run(JIoEndpoint.java:313)
    atjava.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1145)
    atjava.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:615)
    atjava.lang.Thread.run(Thread.java:745)
(There is no English translation for this message.)
[EL Severe]: cache: 2016-10-28 07:35:49.9--ServerSession(1609249471)--Current object locks:
Thread : catalina-exec-23
Locked Object : AuthorizationEntity [id=AuthorizationId [context=/d4science.research-infrastructure
es.eu/SoBigData/TagMe, clientId=valerio.arnaboldi qualifier =TOKEN], token=06d303a2-fb1c-4f62-857f
-clbeb45a0d13, creationTime=java.util.GregorianCalendar[time=?,areFieldsSet=false,areAllFieldsSet=
true, lenient=true, zone=sun.util.calendar.ZoneInfo[id="Europe/Rome", offset=3600000, dstSavings=36000
00, useDaylight=true, transitions=169, lastRule=java.util.SimpleTimeZone[id=Europe/Rome, offset=360000
0, dstSavings=3600000, useDaylight=true, startYear=0, startMode=2, startMonth=2, startDay=-1, startDayOfW
eek=1, startTime=3600000, startTimeMode=2, endMode=2, endMonth=9, endDay=-1, endDayOfWeek=1, endTime=3600
000, endTimeMode=2]], firstDayOfWeek=1, minimalDaysInFirstWeek=1, ERA=1, YEAR=2016, MONTH=9, WEEK_OF_YEAR
=44, WEEK_OF_MONTH=5, DAY_OF_MONTH=26, DAY_OF_YEAR=300, DAY_OF_WEEK=4, DAY_OF_WEEK_IN_MONTH=4, AM_PM=1, H
OUR=6, HOUR_OF_DAY=18, MINUTE=27, SECOND=20, MILLISECOND=27, ZONE_OFFSET=3600000, DST_OFFSET=3600000], e
ntryType=UserInfo]
PK: [[/d4science.research-infrastructure.eu/SoBigData/TagMe, TOKEN, valerio.arnaboldi]: 148934874
1]

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Depth : 1

End of locked objects.

Related issues:

Related to D4Science Infrastructure - Incident #5589: The tagme webapp doesn't...

Closed

Oct 27, 2016

History

#1 - Oct 28, 2016 09:40 AM - Andrea Dell'Amico

- Related to Incident #5589: The tagme webapp doesn't work anymore after the smartgears upgrade added

#2 - Oct 28, 2016 09:42 AM - Andrea Dell'Amico

There is no out of memory or other symptom of resource exhaustion on the servers.

#3 - Oct 28, 2016 10:30 AM - Marco Cornolti

Hi, I have updated (solved) Incident [#5589](#) but I do not believe the two issues are related, except from the fact that they are both caused by the update of SG. Let me know if I can be of any help.

#4 - Oct 28, 2016 04:45 PM - Lucio Lelii

- Status changed from New to Closed

- % Done changed from 0 to 100

We have increased the possible connection from authorization to DB and modified the authorization service to avoid blocks on token retrieving. The problem should be solved.