

Infrastructure - Task #3632

Have to hit refresh on the identity manager before it renders anything

2013-03-01 03:14 - Roger Dahl

Status:	Closed	Start date:	2013-02-27
Priority:	Normal	Due date:	
Assignee:	Ben Leinfelder	% Done:	100%
Category:	d1_portal_servlet	Estimated time:	0.00 hour
Target version:		Story Points:	
Milestone:	None		
Product Version:	1.2		

Description

When I go to the identity manager at

<https://cn.dataone.org/portal/>

I first get a blank page. When I then do a refresh (F5), the page renders.

Happens in both Firefox and Chrome.

History

#1 - 2013-03-01 15:23 - Ben Leinfelder

This happens to me, too, and I haven't figured out why. It's very odd and I hope it doesn't have something to do with the hazelcast session sharing we have running there.

#2 - 2013-03-01 17:04 - Ben Leinfelder

```
Mar 1, 2013 5:03:00 PM com.hazelcast.web.WebFilter
INFO: Created new session with id: HZBA2CDDDB352DC4983BD87A05457735E10
Mar 1, 2013 5:03:00 PM com.hazelcast.web.WebFilter
INFO: 1 is sessions.size and originalSessions.size: 1
Mar 1, 2013 5:03:00 PM org.apache.jasper.runtime.JspFactoryImpl internalGetPageContext
SEVERE: Exception initializing page context
java.lang.NoSuchMethodError: javax.servlet.http.Cookie.setHttpOnly(Z)V
at com.hazelcast.web.WebFilter.addSessionCookie(WebFilter.java:558)
at com.hazelcast.web.WebFilter.createNewSession(WebFilter.java:216)
at com.hazelcast.web.WebFilter.access$800(WebFilter.java:38)
at com.hazelcast.web.WebFilter$RequestWrapper.getSession(WebFilter.java:352)
at com.hazelcast.web.WebFilter$RequestWrapper.getSession(WebFilter.java:311)
at org.apache.jasper.runtime.PageContextImpl._initialize(PageContextImpl.java:146)
at org.apache.jasper.runtime.PageContextImpl.initialize(PageContextImpl.java:124)
at org.apache.jasper.runtime.JspFactoryImpl.internalGetPageContext(JspFactoryImpl.java:107)
at org.apache.jasper.runtime.JspFactoryImpl.getPageContext(JspFactoryImpl.java:63)
at org.apache.jsp.index_jsp._jspService(index_jsp.java:44)
at org.apache.jasper.runtime.HttpJspBase.service(HttpJspBase.java:70)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:717)
at org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:377)
at org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:313)
at org.apache.jasper.servlet.JspServlet.service(JspServlet.java:260)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:717)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:290)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:206)
at com.hazelcast.web.WebFilter.doFilter(WebFilter.java:598)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:235)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:206)
at org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:233)
at org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:191)
at org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:558)
at org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:127)
at org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:102)
at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:109)
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:298)
```

```
at org.apache.jk.server.JkCoyoteHandler.invoke(JkCoyoteHandler.java:190)
at org.apache.jk.common.HandlerRequest.invoke(HandlerRequest.java:291)
at org.apache.jk.common.ChannelSocket.invoke(ChannelSocket.java:769)
at org.apache.jk.common.ChannelSocket.processConnection(ChannelSocket.java:698)
at org.apache.jk.common.ChannelSocket$SocketConnection.runIt(ChannelSocket.java:891)
at org.apache.tomcat.util.threads.ThreadPool$ControlRunnable.run(ThreadPool.java:690)
at java.lang.Thread.run(Thread.java:662)
```

#3 - 2013-03-01 17:21 - Ben Leinfelder

This is a version mismatch between servlet-api 2.3 and 3.0.1 Hazelcast-wm 2.4.1 depends on the newer servlet-api, whereas libclient includes JCS which depends on servlet-api-2.3. Perhaps JCS will still function with the newer servlet-api and we can just force the use of that version to get around this mismatch.

#4 - 2013-03-01 18:43 - Ben Leinfelder

I could try excluding the 2.3 jar in the d1-portal-servlet project and see how that works out, but running on Tomcat 6 does not include servlet 3.0 support (that is Tomcat 7). We might be hosed here...

#5 - 2013-03-02 01:12 - Ben Leinfelder

I am going to down-grade Hazelcast to v2.3.1 until we run on tomcat 7 that supports the servlet-api-3.0 spec.

Here was the 2.4 change that forced the spec upgrade:

<https://github.com/hazelcast/hazelcast/commit/47f800d73017204b12455dac87d2accfa55fd6a2>

#6 - 2013-03-02 01:21 - Ben Leinfelder

- Status changed from New to Closed

- translation missing: en.field_remaining_hours set to 0.0

That worked - I think this use of hazelcast will not interfere with the CN's other uses of it and the version difference will not cause issues.

#7 - 2013-03-04 17:14 - Ben Leinfelder

- Estimated time set to 0.00

- Status changed from Closed to In Progress

after a weekend has passed, I now see this when attempting the portal:

```
com.hazelcast.core.OperationTimeoutException: [ATOMIC_NUMBER_GET_AND_SET] Redo threshold[90] exceeded! Last redo cause:
REDO_MEMBER_UNKNOWN, Name: c: __hz_AtomicLongMap
com.hazelcast.impl.BaseManager$ResponseQueueCall.getRedoAwareResult(BaseManager.java:649)
com.hazelcast.impl.BaseManager$ResponseQueueCall.getResult(BaseManager.java:636)
com.hazelcast.impl.BaseManager$RequestBasedCall.getResultAsIs(BaseManager.java:486)
com.hazelcast.impl.BaseManager$ResponseQueueCall.getResultAsIs(BaseManager.java:555)
com.hazelcast.impl.ConcurrentMapManager$MAtomicNumber.doAtomicOp(ConcurrentMapManager.java:1439)
com.hazelcast.impl.ConcurrentMapManager$MAtomicNumber.getAndSet(ConcurrentMapManager.java:1423)
com.hazelcast.impl.AtomicNumberProxyImpl$AtomicNumberProxyReal.getAndSet(AtomicNumberProxyImpl.java:200)
com.hazelcast.impl.AtomicNumberProxyImpl$AtomicNumberProxyReal.set(AtomicNumberProxyImpl.java:208)
com.hazelcast.impl.AtomicNumberProxyImpl.set(AtomicNumberProxyImpl.java:138)
com.hazelcast.web.WebFilter$HazelcastHttpSession.setAccessed(WebFilter.java:508)
com.hazelcast.web.WebFilter.doFilter(WebFilter.java:583)
```

After restarting Tomcat the portal runs as normal. Will check back in a day or two to see if the problem persists (though who knows if Tomcat will have been restarted by someone else). This may be a bug in Hazelcast 2.3.1 that was addressed in 2.4.1...

#8 - 2013-03-05 21:05 - Ben Leinfelder

I've submitted a bug to hazelcast about this: <https://github.com/hazelcast/hazelcast/issues/432>

#9 - 2013-10-02 20:11 - Ben Leinfelder

- *Product Version set to 1.2*

There is a fix/pull request now available for this if we want to try updating hazelcast-wm. <https://github.com/hazelcast/hazelcast/pull/428>

#10 - 2015-07-06 22:48 - Ben Leinfelder

- *% Done changed from 0 to 100*

- *Status changed from In Progress to Closed*

We are running tomcat 7 now, no longer an issue.