

Infrastructure - Task #8026

Portal reaches the maximum capacity in a pool

2017-02-27 17:00 - Jing Tao

Status:	Testing	Start date:	2017-02-27
Priority:	High	Due date:	
Assignee:	Jing Tao	% Done:	50%
Category:	d1_portal_servlet	Estimated time:	0.00 hour
Target version:	CCI-2.3.2	Story Points:	
Milestone:	None		
Product Version:	*		

Description

After portal runs for a while, the ci-logon can't work since it reaches the maximum capacity of a pool. We have to restart tomcat.
type Exception report

message An exception occurred processing JSP page /setup.jsp at line 15

description The server encountered an internal error that prevented it from fulfilling this request.

exception

org.apache.jasper.JasperException: An exception occurred processing JSP page /setup.jsp at line 15

12: <%

13:

14: // get the certificate, if we have it

15: X509Certificate certificate = PortalCertificateManager.getInstance().getCertificate(request);

16: PrivateKey key = PortalCertificateManager.getInstance().getPrivateKey(request);

17:

18: // if we don't have a certificate, then we aren't logged in

Stacktrace:

org.apache.jasper.servlet.JspServletWrapper.handleJspException(JspServletWrapper.java:568)

org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:470)

org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:395)

org.apache.jasper.servlet.JspServlet.service(JspServlet.java:339)

javax.servlet.http.HttpServlet.service(HttpServlet.java:727)

com.hazelcast.web.WebFilter.doFilter(WebFilter.java:598)

root cause

edu.uiuc.ncsa.security.core.util.PoolException: Error: Maximum capacity of 1000 elements has been exceeded

edu.uiuc.ncsa.security.core.util.Pool.realCreate(Pool.java:75)

edu.uiuc.ncsa.security.core.util.Pool.pop(Pool.java:63)

edu.uiuc.ncsa.security.storage.sql.SQLDatabase.getConnection(SQLDatabase.java:23)

edu.uiuc.ncsa.security.storage.sql.SQLStore.get(SQLStore.java:194)

edu.uiuc.ncsa.security.storage.sql.SQLStore.get(SQLStore.java:35)

edu.uiuc.ncsa.myproxy.oa4mp.client.storage.AssetStoreUtil.get(AssetStoreUtil.java:43)

edu.uiuc.ncsa.myproxy.oa4mp.client.storage.SQLAssetStore.get(SQLAssetStore.java:34)

org.dataone.portal.PortalCertificateManager.getCredentials(PortalCertificateManager.java:196)

org.dataone.portal.PortalCertificateManager.getCredentials(PortalCertificateManager.java:235)

org.dataone.portal.PortalCertificateManager.getCertificate(PortalCertificateManager.java:157)

org.apache.jsp.account_jsp._jspService(account_jsp.java:100)

org.apache.jasper.runtime.HttpJspBase.service(HttpJspBase.java:70)

javax.servlet.http.HttpServlet.service(HttpServlet.java:727)

org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:432)

org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:395)

org.apache.jasper.servlet.JspServlet.service(JspServlet.java:339)

javax.servlet.http.HttpServlet.service(HttpServlet.java:727)

com.hazelcast.web.WebFilter.doFilter(WebFilter.java:598)

History

#1 - 2017-02-27 17:41 - Jing Tao

It seems the issue was fixed after 3.3:

<https://gateways.atlassian.net/browse/OAUTH-200>

#2 - 2017-03-13 23:50 - Jing Tao

- *Status changed from New to In Progress*

- *% Done changed from 0 to 30*

Base on the suggestion from Clog folks, I tried the in-memory configuration to avoid the database connection. However, the redirection doesn't work very well.

I tried the file system configuration, it worked great.

The code was committed to both trunk and 2.3 branch.

#3 - 2017-03-13 23:51 - Jing Tao

If we satisfy the file system storage solution, we can get rid of hazelcast and database later.

#4 - 2017-03-14 00:36 - Jing Tao

- *Status changed from In Progress to Testing*

- *% Done changed from 30 to 50*