

Kafka consumer...



[RAKOTONDRASOA Andry](#) 13 posts since Feb 8, 2018

Kafka consumer java.lang.OutOfMemoryError: GC overhead limit exceeded Apr 29, 2019 9:23 AM

We are trying for to run a Kafka consumer transformation in Pentaho Server 8.1. The transformation subscribes to a single topic that sends 500 messages per second. But after running a few hours (18 hours), the tranformation stops for a memory's problem. Any idea is welcome for solving this problem.

Thanks to see below the java options settings and error log :

- CATALINA_OPTS="-Xms8g -Xmx10g -XX:MaxPermSize=512m"

2019/04/25 07:34:59 - PurRepository - Creating repository meta store interface

2019/04/25 07:34:59 - PurRepository - Connected to the enterprise repository

2019/04/25 07:34:59 - PurRepository - Creating repository meta store interface

2019/04/25 07:34:59 - PurRepository - Connected to the enterprise repository

2019/04/25 07:34:59 - t_kafka_consumer_sub - Distribution démarrée pour la tranformation

[t_kafka_consumer_sub]

java.lang.OutOfMemoryError: GC overhead limit exceeded

Exception in thread "RxCachedThreadScheduler-6" java.lang.OutOfMemoryError: GC overhead limit exceeded

25-Apr-2019 07:36:53.311 GRAVE [ContainerBackgroundProcessor[StandardEngine[Catalina]]]

org.apache.catalina.core.ContainerBase\$ContainerBackgroundProcessor.run Unexpected death of background thread [ContainerBackgroundProcessor[StandardEngine[Catalina]]]

java.lang.OutOfMemoryError: GC overhead limit exceeded

Exception in thread "ContainerBackgroundProcessor[StandardEngine[Catalina]]" java.lang.OutOfMemoryError: GC overhead limit exceeded

Exception in thread "http-nio-8080-exec-6" java.lang.OutOfMemoryError: GC overhead limit exceeded

25-Apr-2019 09:53:16.767 GRAVE [http-nio-8080-exec-1]

com.sun.xml.ws.server.sei.TieHandler.createResponse java.lang.OutOfMemoryError: GC overhead limit exceeded

com.google.common.util.concurrent.ExecutionError: java.lang.OutOfMemoryError: GC overhead limit exceeded

at com.google.common.cache.LocalCache\$Segment.get(LocalCache.java:2199)

at com.google.common.cache.LocalCache.get(LocalCache.java:3934)

at com.google.common.cache.LocalCache.getOrLoad(LocalCache.java:3938)

at com.google.common.cache.LocalCache\$LocalLoadingCache.get(LocalCache.java:4821)

at

org.pentaho.platform.repository2.unified.jcr.sejcr.GuavaCachePoolPentahoJcrSessionFactory.getSession(GuavaCachePoolIF

at

org.pentaho.platform.repository2.unified.jcr.sejcr.CredentialsStrategySessionFactory.getSession(CredentialsStrategySession

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```
    at org.springframework.extensions.jcr.SessionFactoryUtils.doGetSession(SessionFactoryUtils.java:87)
    at org.springframework.extensions.jcr.SessionFactoryUtils.getSession(SessionFactoryUtils.java:119)
    at
org.pentaho.platform.repository2.unified.jcr.sejcr.PentahoJcrTemplate.getSession(PentahoJcrTemplate.java:87)
    at
org.pentaho.platform.repository2.unified.jcr.sejcr.PentahoJcrTemplate.execute(PentahoJcrTemplate.java:60)
    at org.springframework.extensions.jcr.JcrTemplate.execute(JcrTemplate.java:115)
    at
org.pentaho.platform.security.policy.rolebased.JcrRoleAuthorizationPolicyRoleBindingDao.getBoundLogicalRoleNames(JcrR
    at sun.reflect.GeneratedMethodAccessor116.invoke(Unknown Source)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at org.springframework.aop.support.AopUtils.invokeJoinpointUsingReflection(AopUtils.java:333)
    at
org.springframework.aop.framework.ReflectiveMethodInvocation.invokeJoinpoint(ReflectiveMethodInvocation.java:190)
    at
org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:157)
    at org.springframework.transaction.interceptor.TransactionInterceptor
$1.proceedWithInvocation(TransactionInterceptor.java:99)
    at
org.springframework.transaction.interceptor.TransactionAspectSupport.invokeWithinTransaction(TransactionAspectSupport.j
    at
org.springframework.transaction.interceptor.TransactionInterceptor.invoke(TransactionInterceptor.java:96)
    at
org.springframework.aop.framework.ReflectiveMethodInvocation.proceed(ReflectiveMethodInvocation.java:179)
    at org.springframework.aop.framework.JdkDynamicAopProxy.invoke(JdkDynamicAopProxy.java:213)
    at com.sun.proxy.$Proxy88.getBoundLogicalRoleNames(Unknown Source)
    at
org.pentaho.platform.security.policy.rolebased.RoleAuthorizationPolicy.isAllowed(RoleAuthorizationPolicy.java:84)
    at
org.pentaho.platform.security.policy.rolebased.ws.DefaultAuthorizationPolicyWebService.isAllowed(DefaultAuthorizationPoli
    at sun.reflect.GeneratedMethodAccessor236.invoke(Unknown Source)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at sun.reflect.misc.Trampoline.invoke(MethodUtil.java:71)
    at sun.reflect.GeneratedMethodAccessor182.invoke(Unknown Source)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at sun.reflect.misc.MethodUtil.invoke(MethodUtil.java:275)
    at sun.reflect.GeneratedMethodAccessor207.invoke(Unknown Source)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke(Method.java:498)
    at com.sun.xml.ws.api.server.MethodUtil.invoke(MethodUtil.java:83)
```

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at com.sun.xml.ws.api.server.InstanceResolver$1.invoke(InstanceResolver.java:250)
at com.sun.xml.ws.server.InvokerTube$2.invoke(InvokerTube.java:149)
at com.sun.xml.ws.server.sei.SEIInvokerTube.processRequest(SEIInvokerTube.java:88)
at com.sun.xml.ws.api.pipe.Fiber.__doRun(Fiber.java:1136)
at com.sun.xml.ws.api.pipe.Fiber._doRun(Fiber.java:1050)
at com.sun.xml.ws.api.pipe.Fiber.doRun(Fiber.java:1019)
at com.sun.xml.ws.api.pipe.Fiber.runSync(Fiber.java:877)
at com.sun.xml.ws.server.WSEndpointImpl$2.process(WSEndpointImpl.java:419)
at com.sun.xml.ws.transport.http.HttpAdapter$HttpToolkit.handle(HttpAdapter.java:868)
at com.sun.xml.ws.transport.http.HttpAdapter.handle(HttpAdapter.java:422)
at com.sun.xml.ws.transport.http.servlet.ServletAdapter.invokeAsync(ServletAdapter.java:225)
at com.sun.xml.ws.transport.http.servlet.WSServletDelegate.doGet(WSServletDelegate.java:161)
at com.sun.xml.ws.transport.http.servlet.WSServletDelegate.doPost(WSServletDelegate.java:197)
at org.pentaho.platform.web.servlet.PentahoWSSpringServlet.doPost(PentahoWSSpringServlet.java:98)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:661)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:742)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
at
org.pentaho.platform.web.http.filters.PentahoWebContextFilter.doFilter(PentahoWebContextFilter.java:235)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
at
org.pentaho.platform.web.http.filters.PentahoRequestContextFilter.doFilter(PentahoRequestContextFilter.java:90)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:317)
at
org.springframework.security.web.access.intercept.FilterSecurityInterceptor.invoke(FilterSecurityInterceptor.java:127)
at
org.springframework.security.web.access.intercept.FilterSecurityInterceptor.doFilter(FilterSecurityInterceptor.java:91)
at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
at
org.springframework.security.web.access.ExceptionTranslationFilter.doFilter(ExceptionTranslationFilter.java:115)
at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
at
org.springframework.security.web.session.SessionManagementFilter.doFilter(SessionManagementFilter.java:137)
```

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```
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.springframework.security.web.authentication.AnonymousAuthenticationFilter.doFilter(AnonymousAuthenticationFilter.java:
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.springframework.security.web.authentication.www.BasicAuthenticationFilter.doFilterInternal(BasicAuthenticationFilter.java:
    at
org.pentaho.platform.web.http.security.PentahoBasicProcessingFilter.doFilterInternal(PentahoBasicProcessingFilter.java:128)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:107)
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.springframework.security.web.context.SecurityContextPersistenceFilter.doFilter(SecurityContextPersistenceFilter.java:10
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.pentaho.platform.web.http.filters.HttpSessionPentahoSessionIntegrationFilter.doFilter(HttpSessionPentahoSessionIntegr
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.springframework.security.web.servletapi.SecurityContextHolderAwareRequestFilter.doFilter(SecurityContextHolderAware
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at org.springframework.security.web.FilterChainProxy.doFilterInternal(FilterChainProxy.java:214)
    at org.springframework.security.web.FilterChainProxy.doFilter(FilterChainProxy.java:177)
    at org.springframework.web.filter.DelegatingFilterProxy.invokeDelegate(DelegatingFilterProxy.java:346)
    at org.springframework.web.filter.DelegatingFilterProxy.doFilter(DelegatingFilterProxy.java:262)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.pentaho.platform.web.http.filters.SystemStatusFilter.doFilter(SystemStatusFilter.java:58)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at
org.pentaho.platform.web.http.filters.SetCharacterEncodingFilter.doFilter(SetCharacterEncodingFilter.java:117)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at
org.pentaho.platform.web.http.filters.WebappRootForwardingFilter.doFilter(WebappRootForwardingFilter.java:73)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
```

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at

```
org.pentaho.platform.web.http.filters.PentahoPathDecodingFilter.doFilter(PentahoPathDecodingFilter.java:54)
  at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
  at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
  at org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:199)
  at org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:96)
  at org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:504)
  at org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:140)
  at org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:81)
  at org.apache.catalina.valves.AbstractAccessLogValve.invoke(AbstractAccessLogValve.java:650)
  at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:87)
  at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:342)
  at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:803)
  at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:66)
  at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:790)
  at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1459)
  at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:49)
  at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
  at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
  at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
  at java.lang.Thread.run(Thread.java:745)
```

Caused by: java.lang.OutOfMemoryError: GC overhead limit exceeded

Exception in thread "http-nio-8080-exec-10" java.lang.OutOfMemoryError: GC overhead limit exceeded

Exception in thread "http-nio-8080-exec-2" java.lang.OutOfMemoryError: GC overhead limit exceeded

Exception in thread "http-nio-8080-exec-3" java.lang.OutOfMemoryError: GC overhead limit exceeded

2019/04/25 09:54:51 - PurRepository - Creating repository meta store interface

2019/04/25 09:55:08 - PurRepository - Connected to the enterprise repository

2019/04/25 09:55:08 - PurRepository - Creating repository meta store interface

2019/04/25 09:55:08 - PurRepository - Connected to the enterprise repository

Exception in thread "http-nio-8080-exec-7" java.lang.OutOfMemoryError: GC overhead limit exceeded

2019/04/25 09:57:45 - PurRepository - Creating repository meta store interface

2019/04/25 09:57:47 - PurRepository - Creating repository meta store interface

2019/04/25 09:58:27 - PurRepository - Connected to the enterprise repository

2019/04/25 09:58:09 - Carte - Cleaned up job j_spv_2_kafka_consumer with id 85ea79bd-b8f5-4fe6-b351-087c06265f8d from Wed Apr 24 18:48:46 CEST 2019

2019/04/25 09:58:27 - PurRepository - Connected to the enterprise repository

2019/04/25 09:58:35 - PurRepository - Creating repository meta store interface

Exception in thread "http-nio-8080-exec-14" java.lang.OutOfMemoryError: GC overhead limit exceeded

2019/04/25 09:58:47 - PurRepository - Connected to the enterprise repository

09:59:10,525 ERROR [ClusterNode] Unexpected error while syncing of journal: GC overhead limit exceeded

java.lang.OutOfMemoryError: GC overhead limit exceeded

Exception in thread "ClusterNode-node1" java.lang.OutOfMemoryError: GC overhead limit exceeded

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09:59:21,747 ERROR [ConnectionServiceImpl] ConnectionServiceImpl.ERROR_0002 - Impossible dobtenir une liste des connexions : {0}

25-Apr-2019 09:59:21.749 GRAVE [http-nio-8080-exec-12]

com.sun.jersey.spi.container.ContainerResponse.mapMappableContainerException The exception contained within MappableContainerException could not be mapped to a response, re-throwing to the HTTP container

org.pentaho.platform.dataaccess.datasource.wizard.service.ConnectionServiceException:

ConnectionServiceImpl.ERROR_0002 - Impossible dobtenir une liste des connexions : {0}

at

org.pentaho.platform.dataaccess.datasource.wizard.service.impl.ConnectionServiceImpl.getConnections(ConnectionService

at

org.pentaho.platform.dataaccess.datasource.wizard.service.impl.ConnectionService.getConnections(ConnectionService.java

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 com.sun.jersey.spi.container.JavaMethodInvokerFactory\$1.invoke(JavaMethodInvokerFactory.java:60)

at com.sun.jersey.server.impl.model.method.dispatch.AbstractResourceMethodDispatchProvider

\$TypeOutInvoker._dispatch(AbstractResourceMethodDispatchProvider.java:185)

at

com.sun.jersey.server.impl.model.method.dispatch.ResourceJavaMethodDispatcher.dispatch(ResourceJavaMethodDispatch

at com.sun.jersey.server.impl.uri.rules.HttpMethodRule.accept(HttpMethodRule.java:302)

at com.sun.jersey.server.impl.uri.rules.RightHandPathRule.accept(RightHandPathRule.java:147)

at com.sun.jersey.server.impl.uri.rules.ResourceClassRule.accept(ResourceClassRule.java:108)

at com.sun.jersey.server.impl.uri.rules.RightHandPathRule.accept(RightHandPathRule.java:147)

at

com.sun.jersey.server.impl.uri.rules.RootResourceClassesRule.accept(RootResourceClassesRule.java:84)

at

com.sun.jersey.server.impl.application.WebApplicationImpl._handleRequest(WebApplicationImpl.java:1542)

at

com.sun.jersey.server.impl.application.WebApplicationImpl._handleRequest(WebApplicationImpl.java:1473)

at

com.sun.jersey.server.impl.application.WebApplicationImpl.handleRequest(WebApplicationImpl.java:1419)

at

com.sun.jersey.server.impl.application.WebApplicationImpl.handleRequest(WebApplicationImpl.java:1409)

at com.sun.jersey.spi.container.servlet.WebComponent.service(WebComponent.java:409)

at com.sun.jersey.spi.container.servlet.ServletContainer.service(ServletContainer.java:558)

at com.sun.jersey.spi.container.servlet.ServletContainer.service(ServletContainer.java:733)

at org.pentaho.platform.web.servlet.JAXRSPluginServlet.service(JAXRSPluginServlet.java:115)

at javax.servlet.http.HttpServlet.service(HttpServlet.java:742)

at org.pentaho.platform.web.servlet.JAXRSPluginServlet.service(JAXRSPluginServlet.java:120)

at org.pentaho.platform.web.servlet.PluginDispatchServlet.service(PluginDispatchServlet.java:92)

at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231)

at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)

Kafka consumer...

```
    at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:52)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at
org.pentaho.platform.web.http.filters.PentahoWebContextFilter.doFilter(PentahoWebContextFilter.java:235)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at
org.pentaho.platform.web.http.filters.PentahoRequestContextFilter.doFilter(PentahoRequestContextFilter.java:90)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:317)
    at
org.springframework.security.web.access.intercept.FilterSecurityInterceptor.invoke(FilterSecurityInterceptor.java:127)
    at
org.springframework.security.web.access.intercept.FilterSecurityInterceptor.doFilter(FilterSecurityInterceptor.java:91)
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.springframework.security.web.access.ExceptionTranslationFilter.doFilter(ExceptionTranslationFilter.java:115)
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.springframework.security.web.session.SessionManagementFilter.doFilter(SessionManagementFilter.java:137)
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.springframework.security.web.authentication.AnonymousAuthenticationFilter.doFilter(AnonymousAuthenticationFilter.java:
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.pentaho.platform.web.http.security.RequestParameterAuthenticationFilter.doFilter(RequestParameterAuthenticationFilter
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.springframework.security.web.authentication.www.BasicAuthenticationFilter.doFilterInternal(BasicAuthenticationFilter.java:
    at
org.pentaho.platform.web.http.security.PentahoBasicProcessingFilter.doFilterInternal(PentahoBasicProcessingFilter.java:128)
    at org.springframework.web.filter.OncePerRequestFilter.doFilter(OncePerRequestFilter.java:107)
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
```

Kafka consumer...

```
    at
org.springframework.security.web.context.SecurityContextPersistenceFilter.doFilter(SecurityContextPersistenceFilter.java:10)
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.pentaho.platform.web.http.filters.HttpSessionPentahoSessionIntegrationFilter.doFilter(HttpSessionPentahoSessionIntegra
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at
org.springframework.security.web.servletapi.SecurityContextHolderAwareRequestFilter.doFilter(SecurityContextHolderAware
    at org.springframework.security.web.FilterChainProxy
$VirtualFilterChain.doFilter(FilterChainProxy.java:331)
    at org.springframework.security.web.FilterChainProxy.doFilterInternal(FilterChainProxy.java:214)
    at org.springframework.security.web.FilterChainProxy.doFilter(FilterChainProxy.java:177)
    at org.springframework.web.filter.DelegatingFilterProxy.invokeDelegate(DelegatingFilterProxy.java:346)
    at org.springframework.web.filter.DelegatingFilterProxy.doFilter(DelegatingFilterProxy.java:262)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.pentaho.platform.web.http.filters.SystemStatusFilter.doFilter(SystemStatusFilter.java:58)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at
org.pentaho.platform.web.http.filters.SetCharacterEncodingFilter.doFilter(SetCharacterEncodingFilter.java:117)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at
org.pentaho.platform.web.http.filters.WebappRootForwardingFilter.doFilter(WebappRootForwardingFilter.java:73)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at
org.pentaho.platform.web.http.filters.PentahoPathDecodingFilter.doFilter(PentahoPathDecodingFilter.java:54)
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:193)
    at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:166)
    at org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:199)
    at org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:96)
    at org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:504)
    at org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:140)
    at org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:81)
    at org.apache.catalina.valves.AbstractAccessLogValve.invoke(AbstractAccessLogValve.java:650)
    at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:87)
    at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:342)
    at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:803)
    at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:66)
```


Kafka consumer...

```
at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:790)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1459)
at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:49)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1142)
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:617)
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
at java.lang.Thread.run(Thread.java:745)
```

Caused by: org.pentaho.platform.api.repository.datasource.DatasourceMgmtServiceException: DatasourceMgmtService.ERROR_0004 - Une erreur est survenue lors de la récupération de la source de données . Cause : exception pendant obtention des enfants pour le dossier ayant IID « {0} »

Regards

Tags: streaming, kafka, pdi 8.1, pentho server ce 8.1



[Steven Brown](#) 7 posts since Jan 19, 2017

Re: Kafka consumer java.lang.OutOfMemoryError: GC overhead limit exceeded May 2, 2019 6:20 PM

Hi [RAKOTONDRASOA Andry](#),

Might want to review and/or implement this:

[What is java.lang.OutOfMemoryError: GC overhead limit exceeded?](#)

Best,

Steven



[RAKOTONDRASOA Andry](#) 13 posts since Feb 8, 2018

Re: Kafka consumer java.lang.OutOfMemoryError: GC overhead limit exceeded May 3, 2019 12:04 PM

Hi [Steven Brown](#),

Thanks for your reply.

We have already tested this configuration but we still have the same error : OutofMemory.

With a 5000000 LAG in the kafka cluster, the etl reaches 10GB of memory usage in 45 seconds.

So, if it is related to the pentaho environment, using the etl Kafka consumer is recommended for consuming a big volume of data in a Kafka topic ?

Regards,

Kafka consumer...

Andry



[Ricardo Diaz](#) 30 posts since Jun 28, 2018

Re: Kafka consumer java.lang.OutOfMemoryError: GC overhead limit exceeded May 6, 2019 7:45 PM

Hi [RAKOTONDRASOA Andry](#)

Can you attach a screenshot of your transformation?



[RAKOTONDRASOA Andry](#) 13 posts since Feb 8, 2018

Re: Kafka consumer java.lang.OutOfMemoryError: GC overhead limit exceeded May 7, 2019 8:09 AM

Hi [Ricardo Diaz](#) ,

Please find attached the screenshots of etl.

Both transformations (screenshots_1 and screenshot_2) have the same memory problem after a few hours with a topic without LAG in Kafka and 2 minutes for a topic with LAG (LAG > 4500000).

Regards,

Andry

- [kafka_consumer.png](#) 19.4 KB
- [screenshots_2.png](#) 4.0 KB
- [screenshots_1.png](#) 14.2 KB



[Virgilio Pierini](#) 31 posts since Nov 11, 2017

Re: Kafka consumer java.lang.OutOfMemoryError: GC overhead limit exceeded May 7, 2019 4:19 PM

Hi [RAKOTONDRASOA Andry](#)

I don't have a specific answer for you but I'm working on Kafka consumers as well and I'm having some, slightly different but relevant, problems.

I had out of memory issues, I'm on CE edition so I'm using plain Carte to have the transformation running and I haven't found out yet the reason. But I noticed I was on OpenJDK and now switched to Oracle JVM. Also I'm on AWS machines which usually do not have swap space and this leads to machine stall. So I'm currently testing a more supported scenario.

As per your transformation I don't see any particular problem, afaik. I mean that, for example, if you run jobs "per every row" then PDI has to collect a lot of "result information" from every run. But you're using only transformations, am I right?

Another thing, maybe it's silly, maybe not :-). The kafka consumer gets all data and then calls the transformation according to the batch size (or time frame). Which configuration are you using? Maybe you're getting too much data inside of the component at once. Some things to try might be to:

Kafka consumer...

- start with "latest" messages and a new consumer group to see if things go weird anyway regardless of LAG and history!
- and, if you can, to increase memory a lot and see if there is some size where it fits. I mean, so far you never managed to have a long running job, while I managed with a much more complex transform. So first would try to define a baseline.

My regards

Virgilio



[RAKOTONDRASOA Andry](#) 13 posts since Feb 8, 2018

Re: Kafka consumer java.lang.OutOfMemoryError: GC overhead limit exceeded May 9, 2019 9:21 AM

Hi [Virgilio Pierini](#) ,

At the moment, we're only testing Kafka consumers with transformations whose a batch configuration is 3000 ms or 1000 row.

As I said in my previous comment, the transformation have memory problem after a few hours with a topic without LAG in Kafka and 2 minutes for a topic with LAG (LAG > 4500000). Start with "latest" messages is just to delay the inevitable memory problem.

Out of curiosity, we developed the same transformation in another ETL platform (not Pentaho) and my job runs without any memory problem (less than 150MB for LAG=30 million and less than 110MB without LAG (from the "latest" message)) whereas it was the same configurations for the JVM that Pentaho uses.

Regards,

Andry



[Jens Bleuel](#) 3 posts since Sep 21, 2017

Re: Kafka consumer java.lang.OutOfMemoryError: GC overhead limit exceeded May 9, 2019 4:37 PM

You might investigate into two other directions:

- 1) It might be log buffer related
- 2) It might be related to the repository (from what I see in the error message)

To isolate the issue, I propose to:

For 1) Minimize the logging to "Error Only" and see if it keeps alive longer. When this is the reason, there are ways to limit and clean up the log buffers.

For 2) Try to use it without the repository (.ktr files)

To really nail it down, you might want to use a Java memory profiler and see what types of objects are polluting the system.

Hope that helps,

Jens

Kafka consumer...



RAKOTONDRASOA Andry *13 posts since Feb 8, 2018*

Re: Kafka consumer java.lang.OutOfMemoryError: GC overhead limit exceeded May 13, 2019 2:30 PM

Hi [Jens Bleuel](#) ,

We have already tried your first proposal because we had to reduce the size of the log file (catalina.out).

And the file execution mode of ETLs returns the same errors :

Best regards

Andry