

EDIT - bug #8783

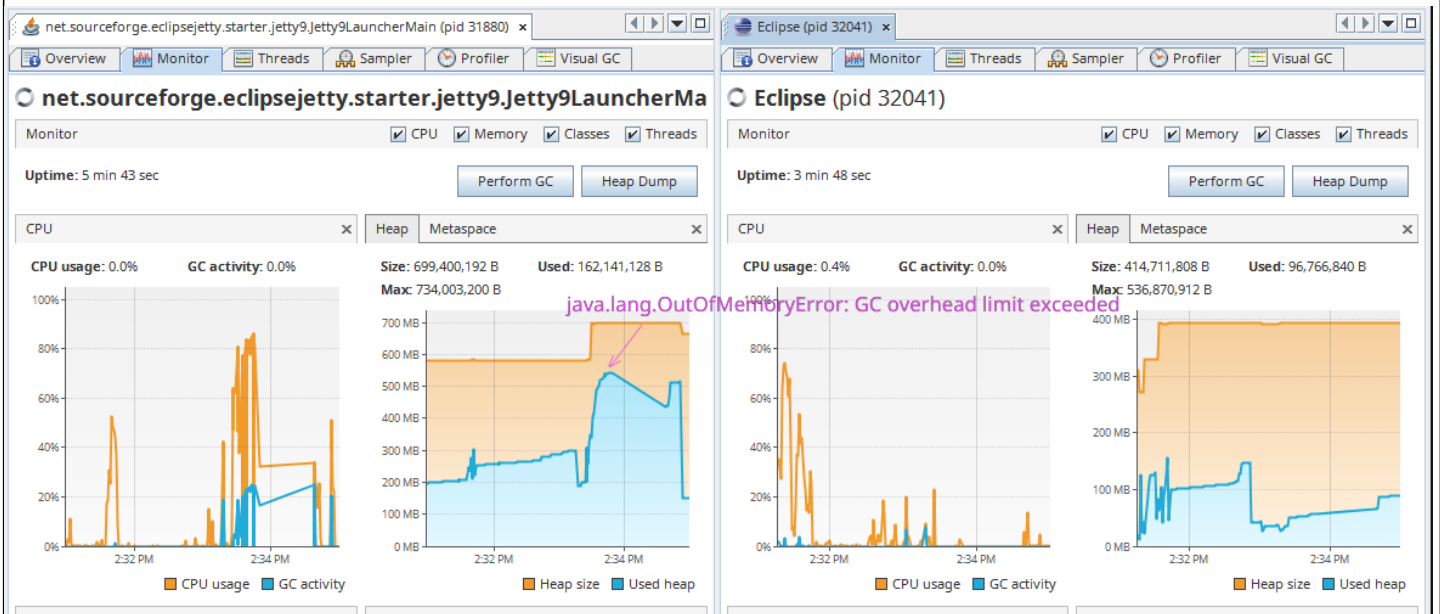
Massive Heap consumption in server instance opening the Description-Matrix editor

12/18/2019 02:43 PM - Andreas Kohlbecker

Status:	Closed	Start date:	
Priority:	New	Due date:	
Assignee:	Katja Luther	% Done:	0%
Category:	taxeditor	Estimated time:	0:00 hour
Target version:	Release 5.15	Found in Version:	
Severity:	critical		

Description

This was observed with a locally running cdmlib-remote-webapp instance configured with 700 MB of Heap:



Left pane shows the cdmlib-remote-webapp instance*, right pane the Taxeditor.

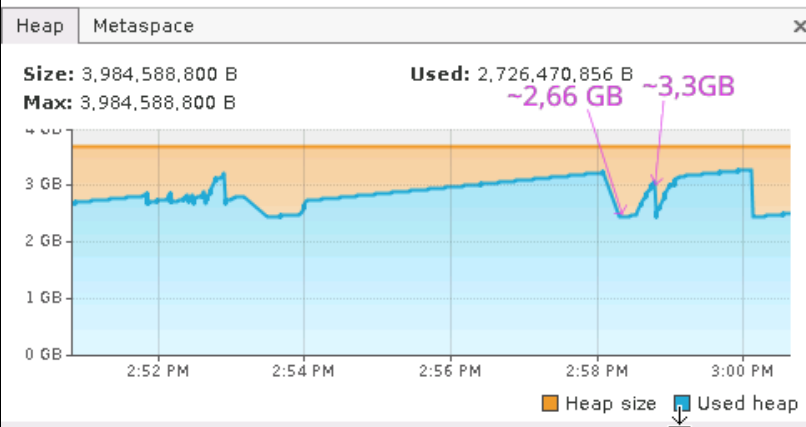
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[caryophyllales_spp] 14:34:40,792 WARN [qtp759156157-23][or.sp.re.su.RemoteInvocationTraceInterceptor] - Processing of HttpInvokerServiceExporter remote call resulted in fatal exception: eu.etaxon.omy.cdm.api.service.IService.load
java.lang.OutOfMemoryError: GC overhead limit exceeded
    at java.util.HashMap.newNode(HashMap.java:1742)
    at java.util.HashMap.putVal(HashMap.java:630)
    at java.util.HashMap.put(HashMap.java:611)
    at java.util.HashSet.add(HashSet.java:219)
    at java.util.AbstractCollection.addAll(AbstractCollection.java:344)
    at org.hibernate.collection.internal.PersistentSet.endRead(PersistentSet.java:327)
    at org.hibernate.engine.loading.internal.CollectionLoadContext.endLoadingCollection(CollectionLoadContext.java:234)
    at org.hibernate.engine.loading.internal.CollectionLoadContext.endLoadingCollections(CollectionLoadContext.java:221)
    at org.hibernate.engine.loading.internal.CollectionLoadContext.endLoadingCollections(CollectionLoadContext.java:194)
    at org.hibernate.loader.Loader.endCollectionLoad(Loader.java:1179)
    at org.hibernate.loader.Loader.initializeEntitiesAndCollections(Loader.java:1143)
    at org.hibernate.loader.Loader.processResultSet(Loader.java:992)
    at org.hibernate.loader.Loader.doQuery(Loader.java:930)
    at org.hibernate.loader.Loader.doQueryAndInitializeNonLazyCollections(Loader.java:336)
    at org.hibernate.loader.Loader.doList(Loader.java:2611)
    at org.hibernate.loader.Loader.doList(Loader.java:2594)
    at org.hibernate.loader.Loader.listIgnoreQueryCache(Loader.java:2423)
    at org.hibernate.loader.Loader.list(Loader.java:2418)
    at org.hibernate.loader.hql.QueryLoader.list(QueryLoader.java:501)
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at org.hibernate.hql.internal.ast.QueryTranslatorImpl.list (QueryTranslatorImpl.java:371)
at org.hibernate.engine.query.spi.HQLQueryPlan.performList (HQLQueryPlan.java:216)
at org.hibernate.internal.SessionImpl.list (SessionImpl.java:1326)
at org.hibernate.internal.QueryImpl.list (QueryImpl.java:87)
at eu.etaxonomy.cdm.persistence.dao.initializer.AdvancedBeanInitializer.bulkLoadLazyCollections (AdvancedBeanInitializer.java:533)
at eu.etaxonomy.cdm.persistence.dao.initializer.AdvancedBeanInitializer.bulkLoadLazies (AdvancedBeanInitializer.java:435)
at eu.etaxonomy.cdm.persistence.dao.initializer.AdvancedBeanInitializer.initializeNodeNoWildcard (AdvancedBeanInitializer.java:244)
at eu.etaxonomy.cdm.persistence.dao.initializer.AdvancedBeanInitializer.initializeNode (AdvancedBeanInitializer.java:125)
at eu.etaxonomy.cdm.persistence.dao.initializer.AdvancedBeanInitializer.initializeNodeRecursive (AdvancedBeanInitializer.java:105)
at eu.etaxonomy.cdm.persistence.dao.initializer.AdvancedBeanInitializer.initializeNodeRecursive (AdvancedBeanInitializer.java:107)
at eu.etaxonomy.cdm.persistence.dao.initializer.AdvancedBeanInitializer.initializeNodeRecursive (AdvancedBeanInitializer.java:107)
at eu.etaxonomy.cdm.persistence.dao.initializer.AdvancedBeanInitializer.initializeAll (AdvancedBeanInitializer.java:85)
at eu.etaxonomy.cdm.persistence.dao.initializer.AdvancedBeanInitializer.initialize (AdvancedBeanInitializer.java:57)

```

At the test-server it takes ~700MB to load the matrix data without garbage collection



Related issues:

- Related to EDIT - bug #8785: Move functionality of buttons to context menu of... **Resolved**
- Related to EDIT - bug #9029: Adapt character matrix to using dtos instead of ... **Closed**
- Related to EDIT - bug #9820: OptionalDataException when saving character matrix **New**

History

#1 - 12/18/2019 03:03 PM - Andreas Kohlbecker

- File picture521-1.png added
- Description updated

#2 - 12/19/2019 02:30 PM - Andreas Müller

- Target version changed from Unassigned CDM tickets to Release 5.13

As this is a critical issue I suggest to put it into 5.13. (5.12 is probably not possible as the task is difficult). We may then discuss who will care for it.

#3 - 03/09/2020 04:29 PM - Andreas Müller

- Target version changed from Release 5.13 to Release 5.14

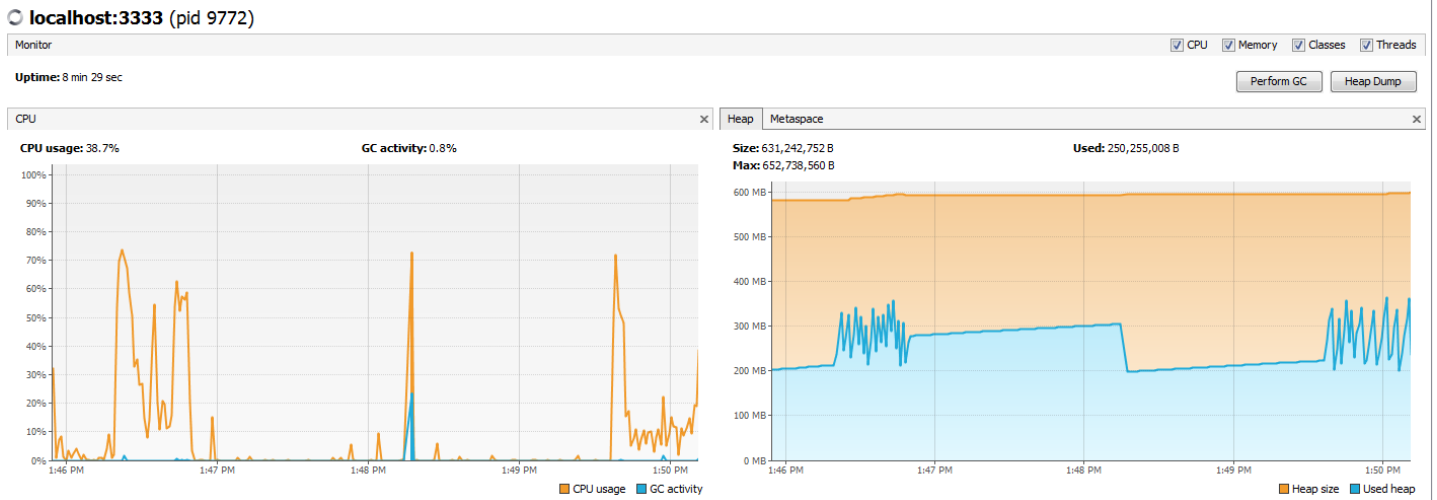
#4 - 03/31/2020 11:26 AM - Katja Luther

- Target version changed from Release 5.14 to Release 5.15

#5 - 05/19/2020 02:21 PM - Katja Luther

- File picture701-1.png added
- Status changed from New to In Progress

The implementation for the rowWrappers changed, having a look at the consumption shows a smaller heap (opening the character matrix two times):



#6 - 05/26/2020 01:49 PM - Katja Luther

- File deleted (picture701-1.png)

#7 - 05/26/2020 01:49 PM - Katja Luther

- File picture071-1.png added

#8 - 05/26/2020 02:35 PM - Katja Luther

- Status changed from In Progress to Resolved
- Assignee changed from Katja Luther to Andreas Kohlbecker

This seems to be fixed.

#9 - 06/09/2020 06:02 PM - Andreas Kohlbecker

from the diagrams it really looks like this problem is fixed. Can you please link the rowWrappers-Ticket with this one?

#10 - 06/18/2020 02:02 PM - Andreas Kohlbecker

- Assignee changed from Andreas Kohlbecker to Katja Luther

please see the last comment

#11 - 06/18/2020 02:08 PM - Katja Luther

- Related to bug #8785: Move functionality of buttons to context menu of the character matrix added

#12 - 06/18/2020 02:09 PM - Katja Luther

- Related to bug #9029: Adapt character matrix to using dtos instead of whole cdm entities added

#13 - 06/18/2020 04:04 PM - Katja Luther

- Assignee changed from Katja Luther to Andreas Kohlbecker

I added the relevant tickets

#14 - 06/18/2020 04:35 PM - Andreas Kohlbecker

- Assignee changed from Andreas Kohlbecker to Katja Luther

Thank you, I think we can close this ticket now.

#15 - 06/19/2020 09:53 AM - Katja Luther

- Status changed from Resolved to Closed

#16 - 10/18/2021 12:44 PM - Katja Luther

- Status changed from Closed to In Progress

#17 - 10/18/2021 12:54 PM - Andreas Müller

If we reopen then we should adapt the milestone. But maybe it is better to keep this closed and create a new ticket as the problem is probably not as big as before anymore (if it exists at all, which is not sure).

#18 - 10/18/2021 01:51 PM - Andreas Kohlbecker

- Status changed from In Progress to Feedback

Was comment 16 ("changed from Closed to In Progress") a mistake, it completely misses any explanation?
I am assuming that this ticket is fully solved.

#19 - 10/18/2021 02:02 PM - Katja Luther

- Status changed from Feedback to Closed

Actually maybe this was the wrong ticket because the exception coming up again was not an OutOfMemoryException but an OptionalDataException.
I think we should open a new ticket for this.

#20 - 10/19/2021 10:39 AM - Andreas Müller

Katja Luther wrote:

Actually maybe this was the wrong ticket because the exception coming up again was not an OutOfMemoryException but an OptionalDataException. I think we should open a new ticket for this.

Did you open a new ticket? I can't see any.

Also OptionalDataException is probably related to OutOfMemoryException as you (see [#9358](#)) so there is a good chance that there is the same reason for both problems. Please relate new ticket to both this ticket and [#9358](#).

#21 - 10/19/2021 11:19 AM - Katja Luther

- Related to bug #9820: OptionalDataException when saving character matrix added

Files

picture321-1.png	64.2 KB	12/18/2019	Andreas Kohlbecker
picture521-1.png	9.92 KB	12/18/2019	Andreas Kohlbecker
picture071-1.png	54.7 KB	05/26/2020	Katja Luther