

EDIT - feature request #8096

Implement CacheUpdater as long running task with correct progress monitoring

02/13/2019 06:51 PM - Andreas Müller

Status:	Closed	Start date:	
Priority:	Priority14	Due date:	
Assignee:	Katja Luther	% Done:	100%
Category:	cdmlib-remote	Estimated time:	0:00 hour
Target version:	Release 5.6		
Severity:	normal		
Description			
Related issues:			
Related to EDIT - feature request #8030: Cache updater service methods extern...			Closed
Related to EDIT - feature request #8232: Show updated objects of cache update...			New
Copied to EDIT - bug #8237: Cache updating sometimes does not work as expecte...			New

Associated revisions

Revision c01a0dfc - 03/05/2019 01:38 PM - Katja Luther

ref #8096: restructure repair menu and use longrunningTaskService for repair functionality

Revision 112ab4f7 - 03/05/2019 01:58 PM - Katja Luther

ref #8096: move cache updater and service methods return updateResult

Revision 95371079 - 03/05/2019 01:59 PM - Katja Luther

ref #8096: move cache updater and service methods return updateResult -continue

Revision 0da5fc18 - 03/05/2019 02:26 PM - Katja Luther

ref #8096: delete old cache updater and adapt cache updater to moved terms

Revision 66172879 - 03/05/2019 02:41 PM - Katja Luther

ref #8096: termservice adapted

Revision d2deb7ca - 03/07/2019 10:12 AM - Katja Luther

ref #8096: use subprogressmonitor for cache updater

Revision 4478751c - 03/11/2019 12:55 PM - Katja Luther

ref #8096: set correct task name in progress monitor manager

Revision 72631511 - 04/01/2019 04:07 PM - Katja Luther

ref #8096: minor

Revision e627dccd - 04/03/2019 01:59 PM - Katja Luther

ref #8096: subtask name is the same as task name

Revision 428a2961 - 04/04/2019 11:30 AM - Katja Luther

ref #8096: deduplicate message in progress bar

Revision 1a1cc8f8 - 04/08/2019 10:30 AM - Katja Luther

ref #8096: smaller changes for update caches

Revision 4624cd0d - 04/09/2019 12:05 PM - Katja Luther

ref #8096: remove doubled colon

Revision aa20ae50 - 04/15/2019 03:53 PM - Katja Luther

ref #8096: move cache updater and service methods return updateResult

Revision d173c335 - 04/15/2019 03:53 PM - Katja Luther

ref #8096: move cache updater and service methods return updateResult -continue

Revision aa7a50d3 - 04/15/2019 03:53 PM - Katja Luther

ref #8096: delete old cache updater and adapt cache updater to moved terms

Revision 4ce3ad94 - 04/15/2019 03:53 PM - Katja Luther

ref #8096: termservice adapted

Revision 2462bed3 - 04/15/2019 03:53 PM - Katja Luther

ref #8096: use subprogressmonitor for cache updater

Revision 69e38fad - 04/15/2019 03:53 PM - Katja Luther

ref #8096: minor

Revision 3412cfed - 04/15/2019 03:53 PM - Katja Luther

ref #8096: smaller changes for update caches

History

#1 - 02/13/2019 06:51 PM - Andreas Müller

- Related to feature request #8030: Cache updater service methods externalized and base class specific added

#2 - 02/22/2019 09:45 AM - Katja Luther

- Status changed from New to In Progress

- Priority changed from New to Priority14

#3 - 03/11/2019 12:57 PM - Katja Luther

- Status changed from In Progress to Resolved

- Assignee changed from Katja Luther to Andreas Müller

please review

#4 - 03/11/2019 12:57 PM - Katja Luther

- % Done changed from 0 to 60

#5 - 04/01/2019 04:00 PM - Katja Luther

- Assignee changed from Andreas Müller to Patrick Plitzner

#6 - 04/03/2019 01:41 PM - Patrick Plitzner

- File picture638-1.png added

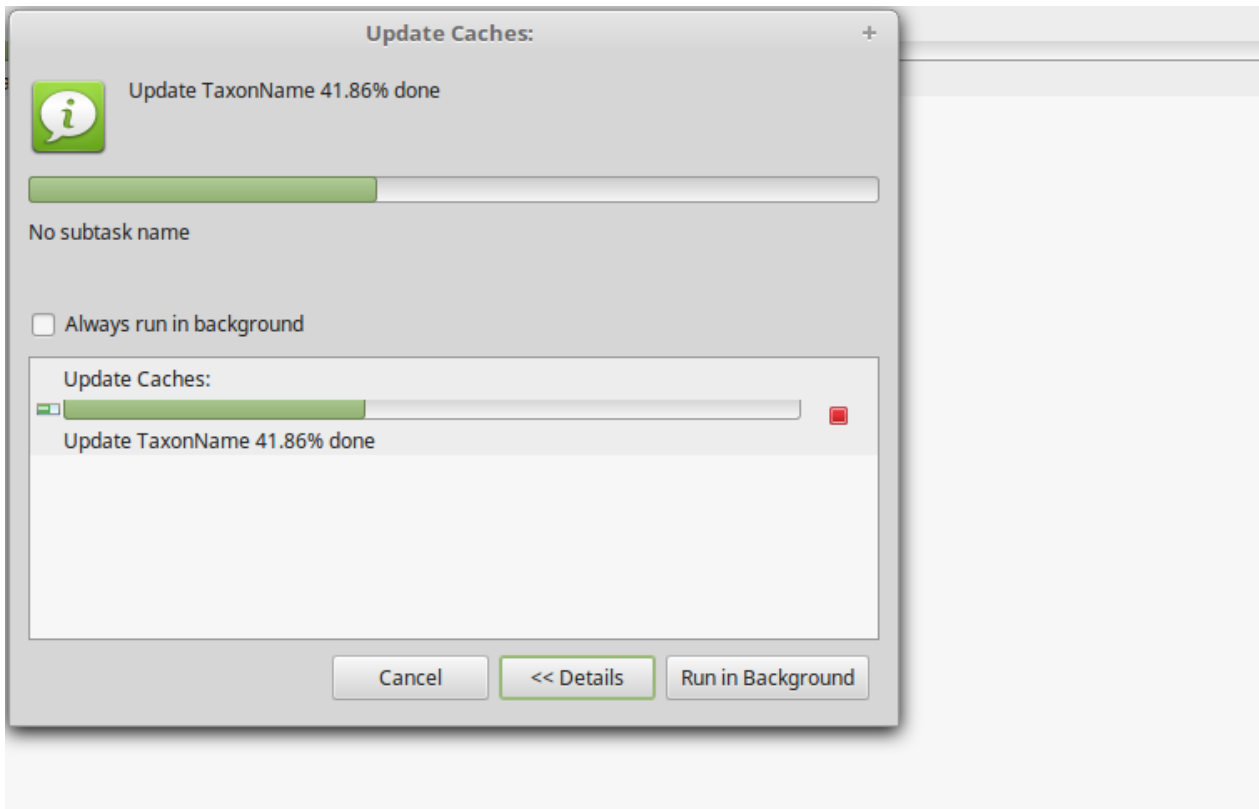
- Status changed from Resolved to Feedback

- Assignee changed from Patrick Plitzner to Katja Luther

I tested updating caches with all options on on the lates nightly. The progress bar shows the current work done and the progress increases over time. I did not check if the caches were really updated as this functionality was already implemented.

One minor issue:

It still says "No subtask name" if you do not expand the details. This text should also be set. Can be the same as the text in the details.



#7 - 04/03/2019 02:00 PM - Katja Luther

- Status changed from *Feedback* to *Resolved*

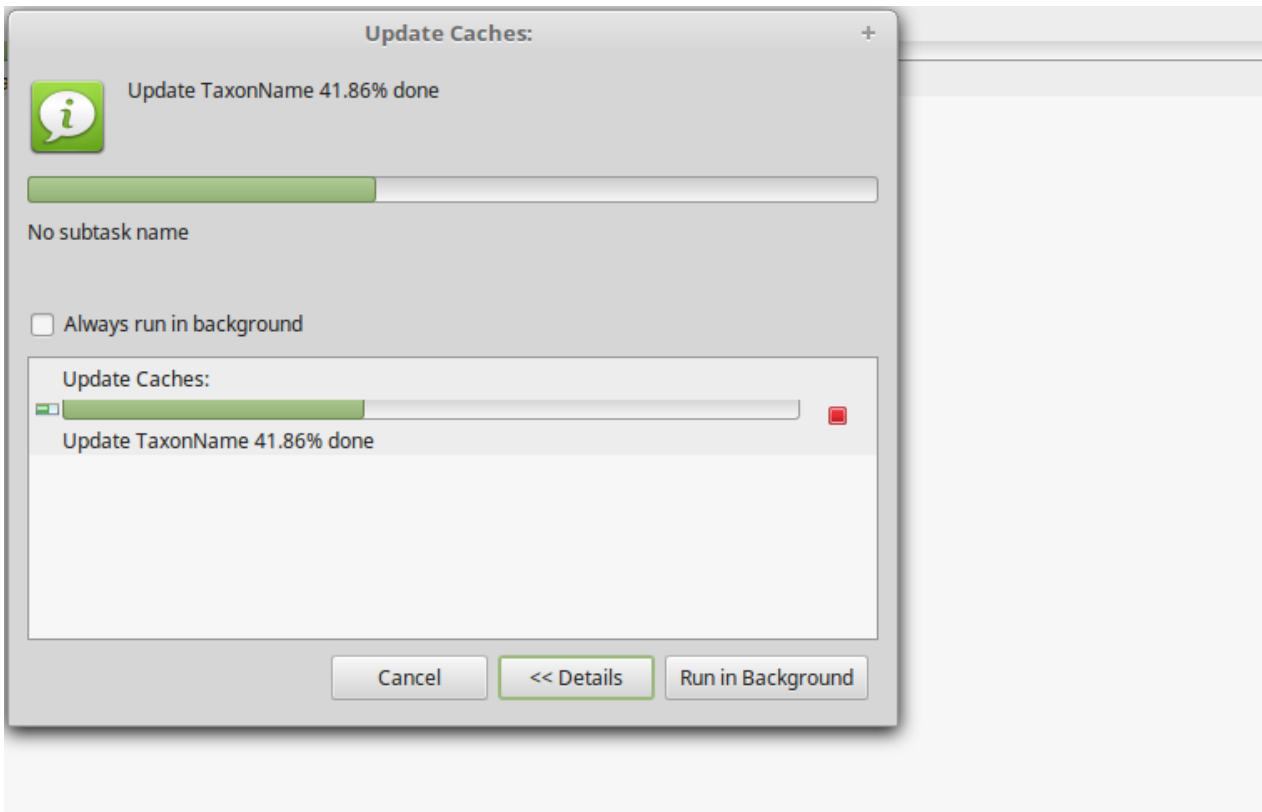
- Assignee changed from *Katja Luther* to *Andreas Müller*

Patrick Plitzner wrote:

I tested updating caches with all options on on the lates nightly. The progress bar shows the current work done and the progress increases over time. I did not check if the caches were really updated as this functionality was already implemented.

One minor issue:

It still says "No subtask name" if you do not expand the details. This text should also be set. Can be the same as the text in the details.

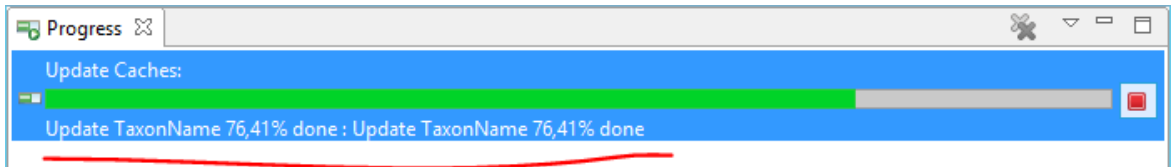


this is fixed.

#8 - 04/04/2019 11:13 AM - Andreas Müller

- File picture686-1.png added
- Status changed from Resolved to Feedback
- Assignee changed from Andreas Müller to Katja Luther

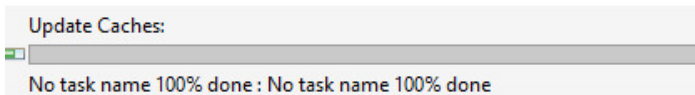
I get a strange duplication of task and progress now:



#9 - 04/04/2019 11:17 AM - Andreas Müller

- File picture787-1.png added

When running on references (in rem_conf_am) I only get no task shown:



#10 - 04/04/2019 11:20 AM - Andreas Müller

Also when rerunning on references I always get the same result (updated objects 2669), second time I would expect 0.

Can you check if there is still an error in the algorithm?

The same happens for taxon names (always 6 updated objects).

Please also check for taxa and specimens. I haven't tested yet.

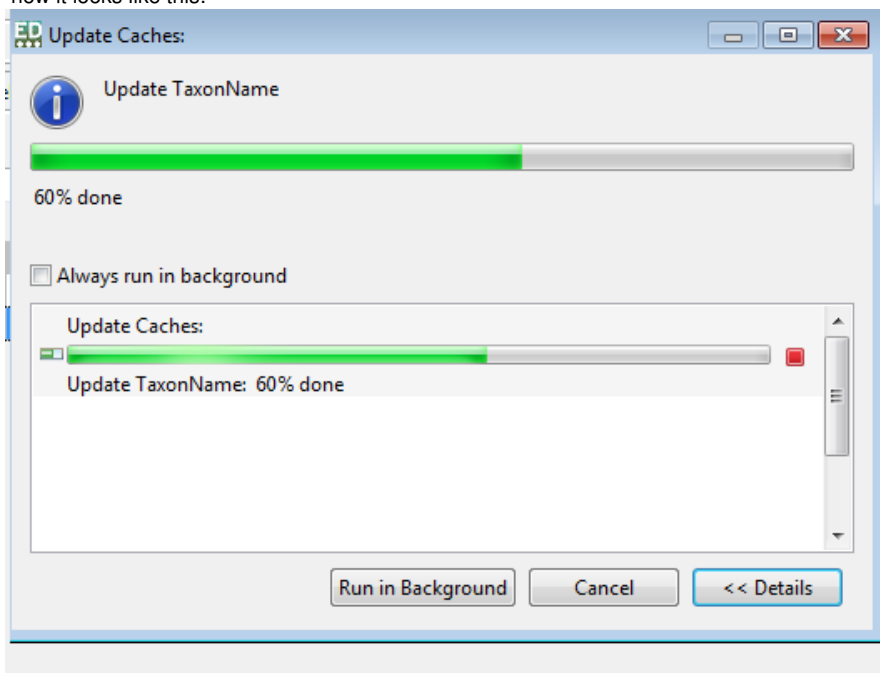
#11 - 04/05/2019 10:09 AM - Katja Luther

- File picture455-1.png added

Andreas Müller wrote:

When running on references (in rem_conf_am) I only get no task shown:

now it looks like this:



#12 - 04/05/2019 10:20 AM - Katja Luther

Andreas Müller wrote:

Also when rerunning on references I always get the same result (updated objects 2669), second time I would expect 0.

Can you check if there is still an error in the algorithm?

The same happens for taxon names (always 6 updated objects).

Please also check for taxa and specimens. I haven't tested yet.

Maybe it is the same issue as for teams we found a few weeks ago. I will have a look.

#13 - 04/05/2019 11:10 AM - Katja Luther

Katja Luther wrote:

Andreas Müller wrote:

Also when rerunning on references I always get the same result (updated objects 2669), second time I would expect 0.

Can you check if there is still an error in the algorithm?

The same happens for taxon names (always 6 updated objects).

Please also check for taxa and specimens. I haven't tested yet.

Maybe it is the same issue as for teams we found a few weeks ago. I will have a look.

It is a problem of the cache update:

```
if (this.protectedAbbrevTitleCache == false){  
    String oldAbbrevTitleCache = this.abbrevTitleCache;  
  
    String newAbbrevTitleCache = cacheStrategy.getFullAbbrevTitleString(this);
```

```

        if ( oldAbbrevTitleCache == null || ! oldAbbrevTitleCache.equals(newAbbrevTitleCache) ){
            this.setAbbrevTitleCache(null, false);
            String newCache = this.getAbbrevTitleCache();

            if (newCache == null){
                logger.warn("New abbrevCache should never be null");
            }
            if (oldAbbrevTitleCache == null){
                logger.info("oldAbbrevTitleCache was illegally null and has been fixed");
            }
            result = true;
        }
    }
    return result;
}

```

first newAbbrevTitleCache is created by cacheStrategy.getFullAbbrevTitleString(this) and compared to the abbrevTitleCache of the reference and then the new cache is created by this.getAbbrevTitleCache(); and the strings are not always the same.

#14 - 04/05/2019 01:18 PM - Katja Luther

the problem for references is that if cacheStrategy.getFullAbbrevTitleString(this) returns null, the abbrevTitleCache is set to titleCache and then the comparison fails because the old abbrevTitleCache is the titleCache and the computed abbrevTitleCache is null.

#15 - 04/08/2019 10:36 AM - Katja Luther

- Status changed from Feedback to Resolved

there are problems with objects having a null titleCache because they get a new titlecache while saving. I think we should keep it like it is, because this can show the user dirty data because objects without titlecache should not exist.

#16 - 04/08/2019 10:36 AM - Katja Luther

- Assignee changed from Katja Luther to Andreas Müller

#17 - 04/08/2019 05:48 PM - Andreas Müller

- File picture115-1.png added

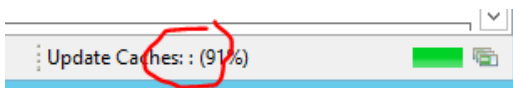
Katja Luther wrote:

Andreas Müller wrote:

When running on references (in rem_conf_am) I only get no task shown:

now it looks like this:

Much better now, but I get 2 colons in status list now:



(not serious)

#18 - 04/08/2019 05:50 PM - Andreas Müller

- Status changed from Resolved to Feedback

- Assignee changed from Andreas Müller to Katja Luther

If running on multiple classes the update result returns the total number of updated objects. Better we had them separated by classes, e.g. 10 taxon names updated, 5 authors/teams updated, ...

But this may go into a new ticket if not easy to fix.

#19 - 04/08/2019 06:10 PM - Andreas Müller

Katja Luther wrote:

the problem for references is that if cacheStrategy.getFullAbbrevTitleString(this) returns null, the abbrevTitleCache is set to titleCache and then the comparison fails because the old abbrevTitleCache is the titleCache and the computed abbrevTitleCache is null.

Hm, in current rem_conf_am are 19 references with empty abbrevTitleCache but 40 objects (references) are updated according to the report.

I think we should further investigate here how to best handle this issue. However, this is another ticket. Can you create a new ticket for this? If the 2 above minor issues are fixed or moved to a "remaining" issue we can close this ticket.

#20 - 04/09/2019 11:07 AM - Katja Luther

Andreas Müller wrote:

Katja Luther wrote:

the problem for references is that if cacheStrategy.getFullAbbrevTitleString(this) returns null, the abbrevTitleCache is set to titleCache and then the comparison fails because the old abbrevTitleCache is the titleCache and the computed abbrevTitleCache is null.

Hm, in current rem_conf_am are 19 references with empty abbrevTitleCache but 40 objects (references) are updated according to the report.

I think we should further investigate here how to best handle this issue. However, this is another ticket. Can you create a new ticket for this? If the 2 above minor issues are fixed or moved to a "remaining" issue we can close this ticket.

The other references are references where the titleCache itself is null and during save/merge the titleCache is created by the CdmPreDataChangeListener

```
if (identifiableEntity.hasEmptyTitleCache()) {  
    identifiableEntity.setTitleCache(identifiableEntity.toString(), false);  
}
```

#21 - 04/09/2019 11:09 AM - Katja Luther

Andreas Müller wrote:

If running on multiple classes the update result returns the total number of updated objects. Better we had them separated by classes, e.g. 10 taxon names updated, 5 authors/teams updated, ...

But this may go into a new ticket if not easy to fix.

This needs a separation of the different kind of objects because actually all updated objects are in one list. If we want to release soon, I would create a new ticket for this issue.(-> [#8232](#))

#22 - 04/09/2019 12:07 PM - Katja Luther

- Status changed from Feedback to Resolved

- Assignee changed from Katja Luther to Andreas Müller

the two colons are fixed and for a better result there is a new ticket.

#23 - 04/10/2019 03:53 PM - Andreas Müller

- Related to feature request #8232: Show updated objects of cache updater separately added

#24 - 04/10/2019 03:58 PM - Andreas Müller

- Status changed from Resolved to Closed

- Assignee changed from Andreas Müller to Katja Luther

Moved null/empty cache issues to new ticket [#8237](#).

All the rest works or has new ticket so we can close this one.

#25 - 04/10/2019 03:58 PM - Andreas Müller

- % Done changed from 60 to 100

#26 - 04/10/2019 03:59 PM - Andreas Müller

- Copied to bug #8237: Cache updating sometimes does not work as expected for references and names added

Files

picture638-1.png

30.4 KB

04/03/2019

Patrick Plitzner

picture686-1.png	4.43 KB	04/04/2019	Andreas Müller
picture787-1.png	1.63 KB	04/04/2019	Andreas Müller
picture455-1.png	21 KB	04/05/2019	Katja Luther
picture115-1.png	2.55 KB	04/08/2019	Andreas Müller