Test workaround patch for fixing wiki subpage moving memory use explosion

2021-01-11 09:50 - Beluga Beluga

<table>
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<th>Closed</th>
<th>Start date:</th>
<th>Due date:</th>
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<td>Assignee:</td>
<td>Guilhem Moulin</td>
<td></td>
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### Description

Currently we can not move (rename) any translated page alongside with its translation subpages. The memory use goes through the roof.

There are a bunch of related Phabricator tasks for this issue:
- [https://phabricator.wikimedia.org/T20585](https://phabricator.wikimedia.org/T20585)
- [https://phabricator.wikimedia.org/T260812](https://phabricator.wikimedia.org/T260812)
- [https://phabricator.wikimedia.org/T268840](https://phabricator.wikimedia.org/T268840)

Niklas has a workaround patch that we might test against 1.35.1:

```bash
commit f6b28f090f81b513a54387e4a20f5551b8251aeef (HEAD -> master)
Author: Niklas Laxström <niklas.laxstrom@gmail.com>
Date:   Tue Dec 1 08:57:50 2020 +0100
```

Workaround for T268840

```bash
diff --git a/includes/deferred/DeferredUpdates.php b/includes/deferred/DeferredUpdates.php
index 7f506bfeaf..b62c0282ac 100644
--- a/includes/deferred/DeferredUpdates.php
+++ b/includes/deferred/DeferredUpdates.php
@@ -495,8 +495,8 @@ class DeferredUpdates {
     if ( $self::pendingUpdatesCount() >= $self::BIG_QUEUE_SIZE ) {
         // If we cannot run the updates with outer transaction context, try to
         // at least enqueue all the updates that support queueing to job queue
-        $self::$preSendUpdates = $self::enqueueUpdates( $self::$preSendUpdates );
-        $self::$postSendUpdates = $self::enqueueUpdates( $self::$postSendUpdates );
+        // $self::$preSendUpdates = $self::enqueueUpdates( $self::$preSendUpdates );
+        // $self::$postSendUpdates = $self::enqueueUpdates( $self::$postSendUpdates );
         return !$self::pendingUpdatesCount();
     }
 }
```

This patch is hoped to be the proper fix, but it only applies to master for now, so let's ignore it:
- [https://gerrit.wikimedia.org/r/c/mediawiki/core/+/596082/](https://gerrit.wikimedia.org/r/c/mediawiki/core/+/596082/)

For testing the effect on perf, one could try renaming this page as we used it in our previous test:
- [https://wiki.documentfoundation.org/Videos/_Convert_color_code](https://wiki.documentfoundation.org/Videos/_Convert_color_code)

### History

#### #1 - 2021-01-11 12:55 - Guilhem Moulin
- Priority changed from Urgent to Normal

#### #2 - 2021-01-13 17:53 - Guilhem Moulin
- Status changed from New to Feedback

Beluga Beluga wrote:

2022-03-20
Currently we can not move (rename) any translated page alongside with its translation subpages. The memory use goes through the roof.

Many thanks for the follow-up with upstream!

For testing the effect on perf, one could try renaming this page as we used it in our previous test: https://wiki.documentfoundation.org/Videos/_Convert_color_code

Tried to move these 155 pages on the test wiki before and after applying Niklas' patch, using runJob's default memory limit. Before the patch the job was aborted due to memory exhaustion; trying again after applying the patch the pages were properly moved AFAICT. 'o/

I did not apply the patch to the production wiki yet. Is it suitable for inclusion in 1.35.2? :-)

#3 - 2021-01-13 18:57 - Beluga Beluga

Guilhem Moulin wrote:

Beluga Beluga wrote:

For testing the effect on perf, one could try renaming this page as we used it in our previous test:
https://wiki.documentfoundation.org/Videos/_Convert_color_code

Tried to move these 155 pages on the test wiki before and after applying Niklas' patch, using runJob's default memory limit. Before the patch the job was aborted due to memory exhaustion; trying again after applying the patch the pages were properly moved AFAICT. 'o/

I did not apply the patch to the production wiki yet. Is it suitable for inclusion in 1.35.2? :-)

Great! Let's keep our fingers crossed for https://gerrit.wikimedia.org/r/c/mediawiki/core/+/596082/ to land soon.

#4 - 2021-01-13 22:09 - Beluga Beluga

Niklas commented on IRC that we probably need to wait until 1.36 to get the real fix. So applying the workaround to prod starts to sounds like an attractive proposition.

#5 - 2021-01-14 00:17 - Guilhem Moulin

Beluga Beluga wrote:

Niklas commented on IRC that we probably need to wait until 1.36 to get the real fix.

We're following LTS releases and will skip 1.36; for us it probably mean waiting another 2-ish years.

So applying the workaround to prod starts to sounds like an attractive proposition.

I read that as a request and applied the change :-) Please close this after a little while if you spot any regressions, and shout out if you do.

#6 - 2021-01-18 10:18 - Beluga Beluga

- Status changed from Feedback to Closed

https://gerrit.wikimedia.org/r/c/mediawiki/core/+/596082/ was now merged.