Redmine - Patch #1404

Raise wiki content page size

2008-06-08 17:45 - Thomas Lecavelier

Status:	Closed		**Start date:**	2008-06-08
Priority:	Urgent		**Due date:**	
Assignee:	Jean-Philippe Lang		**% Done:**	100%
Category:	Wiki		**Estimated time:**	0.00 hour
Target version:				

Description

- Correct #1071 by forcing rails to set a field larger than 64K to wiki contents.
- Add validation when saving a wiki page, display an error instead of silently truncate it.
- Add a unit test for this kind of problem

Set as urgent, since #1071 bug leads to data lose.

Patch made against r1506

Related issues:

Related to Redmine - Defect #1071: Wiki/News/Documents truncate contents to 6...	**Closed**	**2008-04-17**

History

#1 - 2008-06-08 18:45 - Jean-Philippe Lang

The patch please !!! :-)

#2 - 2008-06-08 20:37 - Thomas Lecavelier

- File D1071_enlarge_wiki_content.patch added

#3 - 2008-06-08 20:39 - Thomas Lecavelier

I'm quite dumb... But I think I found a problem: uploaded file is missed when you meet an error just before the successful push (in my case: I forgot the subject when I create this patch issue).

Hoping this patch is interesting.

#4 - 2008-06-08 22:15 - Jean-Philippe Lang

Thanks for your patch Thomas.

But the migration fails with Postgresql (tested with 8.3).
I found this ticket on Rails Trac: http://dev.rubyonrails.org/ticket/3818.

```
== 95 ChangeWikiContentsTextLimit: migrating ==================================
-- change_column(:wiki_contents, :text, :text, {:limit=>131072})
rake aborted!
RuntimeError: ERROR    C42601  Mtype modifier is not allowed for type "text"
P52    F.\src\backend\parser\parse_type.c    L273    RtypenameTypeMod: ALTER
TABLE wiki_contents ADD COLUMN "text_ar_tmp" text(131072)
```

Maybe we could test the database type and do change for MySQL only.

#5 - 2008-06-08 23:38 - Thomas Lecavelier

- % Done changed from 100 to 80

It would be far better to stay database agnostic... I'll do some research tomorrow. Thank you for pointing the problem.

#6 - 2008-06-09 17:03 - Thomas Lecavelier

After some searches, it appears that postgresql has no limit to its text type. But the error when migrating a :text with :limit => x on a postgresql database appear like an authentic bug.

My first thought is to do two different patches:

1. Check on creation that the wiki content is not too long for its database
2. Provide a migration to raise wiki content page size to 128KB or 256KB (even I think 64KB is a good limit) with a monkey patch about this postgresql problem

But postgresql is a problem, now:

- How to write a test that can fail when content is too big, knowing that postgresql text columns have no limits?

As I don't want to provide a patch without matching test cases, I'm listening to every brillant mind which could help me to find a good and reliable testcase... :-/

#7 - 2008-08-12 21:38 - Thomas Lecavelier

- File D1071_enlarge_wiki_content_take2.patch added

It seems that the pgsql bug doesn't exist anymore. Here the updated patch, against trunk@r1736. Hoping it solve the problem.

#8 - 2008-09-24 02:12 - Mischa The Evil

Thomas Lecavelier wrote:

> Here the updated patch, against trunk@r1736. Hoping it solve the problem.

I've just applied this patch on clean [r1900](#) using MySQL 4.1.20 to prevent the silent-truncating of wikipages bigger than 64K. Though when testing it by creating a new wikipage containing 65485 characters (without counting LF's) I don't get any error-message. Instead it still silently truncates the wikipage content to 64K.

Is this due to this patch (ifso: how could it be solved?) or is it to blame my older MySQL-version?

#9 - 2008-09-24 11:50 - Jean-Philippe Lang

The db migration is missing in the updated patch. I'll have a look at it.

#10 - 2008-09-24 21:23 - Thomas Lecavelier

- File D1071_enlarge_wiki_content_take3.patch added

Erf... Migration come back... Here the corrected patch, against trunk@1905
Hoping this patch is the one... -_-

#11 - 2008-09-25 02:06 - Mischa The Evil

Thomas Lecavelier wrote:

> Here the corrected patch, against trunk@1905

Ok, now the DB-migration (which modifies the DB-table type to MEDIUMTEXT/MEDIUMBLOB which can store 16 million characters) is included in the patch.
The above change will provide some more space (upto 16 million characters) for wikipages, though the patch isn't fully functional imho.

Expected behaviour
The changes in the wiki_controller.rb are imo intended to create a flashnotice and prevent saving (thus truncating) the contents to the DB when the size of wikipage is too big.

Actual behaviour
If I try to create a (new) wikipage longer than 64K characters, without having the DB-migration applied (otherwise I should test this with over 16 million characters in a page), I don't receive the flashmessage showing the language string value of text_wiki_content_too_large. Also the content of the page is still truncated and saved to the DB.

HTH...

#12 - 2008-10-21 09:31 - aruna sarikonda

- % Done changed from 80 to 90

#13 - 2008-10-21 09:32 - aruna sarikonda

- % Done changed from 90 to 80

#14 - 2008-10-21 09:33 - aruna sarikonda

- % Done changed from 80 to 30

#15 - 2008-10-21 09:33 - aruna sarikonda

- % Done changed from 30 to 80

#16 - 2008-10-21 09:38 - aruna sarikonda

- % Done changed from 80 to 50

#17 - 2008-10-21 09:38 - aruna sarikonda

- % Done changed from 50 to 80

#18 - 2009-03-30 01:20 - Mischa The Evil

Are there any updates on this issue?

#19 - 2009-11-08 23:14 - Eric Gallimore

I just encountered this behavior while importing a Trac database. I had a problem with two fields, and did this to resolve them:

Edit wiki_contents table to make column "text" type LONGTEXT (type TEXT is too short).
Edit wiki_content_versions table to make column "data" type LONGBLOB (type BLOB is too small).

Having done this, it seems that everything imported properly.

#20 - 2009-12-16 08:35 - Thomas Lecavelier

Oh… It looks like urgent, now. I'll propose a new patch for the end of week.

#21 - 2009-12-18 23:53 - Thomas Lecavelier

- File raise_wiki_content_size.patch added

Rewritten patch (see comment in [#1071](#)) => raise wiki content to 16MB.

#22 - 2009-12-19 13:06 - Jean-Philippe Lang

Trying to migrate with a Postgres 8.3 database gives the following error:

```
==  EnlargeWikiContents: migrating ==========================================
-- change_column(:wiki_contents, :text, :text, {:limit=>16777216})
rake aborted!
An error has occurred, this and all later migrations canceled:

RuntimeError: ERROR    C42601  Mtype modifier is not allowed for type "text"
F.\src\backend\parser\parse_type.c      L273    RtypenameTypeMod: ALTER TABLE "w
iki_contents" ALTER COLUMN "text" TYPE text(16777216)
```


#23 - 2009-12-21 12:29 - Thomas Lecavelier

Thank you for reviewing my patch, jp. Since that page,

http://www.postgresql.org/docs/7.4/interactive/datatype-character.html

It appears that postgres / rails adaptor should ignore limit silently. I'll find or create a bug in Rails about it. I'll try to modify the patch with that two points:

   1. Don't submit :limit key when ARAdaptor is postgres
   2. Detect capacity overflow in wiki to warn potential data loss

I'll update that patch in a while, since my first child is born this saturday ;) Have an happy Xmas

#24 - 2009-12-27 13:01 - Jean-Philippe Lang

- Status changed from New to Closed

See [#1071](#).

#25 - 2010-10-14 23:17 - Gerry Gerry

- Status changed from Closed to Reopened

#26 - 2010-10-15 02:34 - Mischa The Evil

- Status changed from Reopened to Closed

- % Done changed from 80 to 100

- Estimated time deleted (1.00 h)

Files

D1071_enlarge_wiki_content.patch	13.3 KB	2008-06-08	Thomas Lecavelier
D1071_enlarge_wiki_content_take2.patch	16.4 KB	2008-08-12	Thomas Lecavelier
D1071_enlarge_wiki_content_take3.patch	14.7 KB	2008-09-24	Thomas Lecavelier
raise_wiki_content_size.patch	1.5 KB	2009-12-18	Thomas Lecavelier