Redmine - Feature #19869

Consider increasing the size limit of description and note columns for tickets

2015-05-17 23:50 - Deoren Moor

Status:	Closed	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Issues	**Estimated time:**	0.00 hour
Target version:			
Resolution:	Duplicate		

Description

Currently for MySQL (haven't tested other databases) the issue.description and journal.notes fields are of type text. I attempted to post a detailed report of some work I was doing earlier to a Redmine installation I run and encountered the cap for the text type. I had opted to post the details directly into the OP instead of a text file attachment because I was hoping to have the contents of the report searchable.

Notepad++ tells me the length of the content is 69161, which I assume is characters. I spent a while researching (since I am not a MySQL expert by any means) and came upon these references:

- https://dev.mysql.com/doc/refman/5.5/en/blob.html
- https://dev.mysql.com/doc/refman/5.5/en/storage-requirements.html
- https://dev.mysql.com/doc/refman/5.5/en/string-type-overview.html

According to the last link the text type is:

> A TEXT column with a maximum length of 65,535 (216 – 1) characters. The effective maximum length is less if the value contains multibyte characters. Each TEXT value is stored using a 2-byte length prefix that indicates the number of bytes in the value.

If I understand the details correctly (I'm still new), these field types are of variable length, so if the type were changed to MEDIUMTEXT the cap would be raised from **65,535** bytes to **16,777,215** bytes but the actual storage required for only a small amount of content would be based on the amount of actual content.

Please consider adjusting the field types for these and related columns in a future Redmine release in order to support larger descriptions and comments on issues.

Thank you for your consideration.

Related issues:

Related to Redmine - Defect #21993: Projects description cannot contain long ...	**Closed**	
Related to Redmine - Defect #24006: Add character limitation on description f...	**Closed**	
Has duplicate Redmine - Feature #7007: MySQL Field size for large text fields	**Closed**	**2010-11-30**
Has duplicate Redmine - Defect #22119: Error: Data too long for column 'notes...	**Closed**	
Is duplicate of Redmine - Defect #20127: The description column in the issues...	**Closed**	

History

#1 - 2015-07-28 10:12 - Go MAEDA

- Related to Defect #20127: The description column in the issues table is too short (MySQL) added

#2 - 2015-10-08 04:56 - Go MAEDA

- Has duplicate Feature #7007: MySQL Field size for large text fields added

#3 - 2016-02-09 17:13 - okkez _

- File 0001-Raises-journals-notes-limit-to-4GB-19869.patch added

- File 0002-Raises-issues-description-limit-to-4GB-19869.patch added

I've created patches for this issue.

In my case, I want to change DB from SQLite3 to MySQL.
SQLite3's text type can contain unlimited size of text.
But MySQL's text type is limitted to 64KB.

So I have to change these column's limit.

#4 - 2016-02-22 16:11 - Toshi MARUYAMA

- Related to Defect #21993: Projects description cannot contain long text on MySQL added

#5 - 2016-03-15 03:55 - Go MAEDA

- Has duplicate Defect #22119: Error: Data too long for column 'notes' when copy paste pictures added

#6 - 2016-10-06 14:41 - Toshi MARUYAMA

- Related to Defect #24006: Add character limitation on description field for MySQL added

#7 - 2016-10-24 17:44 - Toshi MARUYAMA

- Status changed from New to Closed

- Resolution set to Duplicate

Duplicate of #20127.

#8 - 2016-10-24 17:44 - Toshi MARUYAMA

- Related to deleted (Defect #20127: The description column in the issues table is too short (MySQL))

#9 - 2016-10-24 17:45 - Toshi MARUYAMA

- Is duplicate of Defect #20127: The description column in the issues table is too short (MySQL) added

Files

0001-Raises-journals-notes-limit-to-4GB-19869.patch	986 Bytes	2016-02-09	okkez _
0002-Raises-issues-description-limit-to-4GB-19869.patch	1018 Bytes	2016-02-09	okkez _