Redmine - Defect #10189

Inline image does not work with spaces in file name

2012-02-09 21:37 - Jason Palmer

Status:	New		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Text formatting		**Estimated time:**	0.00 hour
Target version:				
Resolution:			**Affected version:**	1.3.0

Description

Now that Redmine does not replaced special characters in attachment filenames, you cannot display an image attachment inline when the attachment name has spaces in it.

e.g.:

```
!Sample Image.png!     will not, as it does not recognise this as a complete image reference
```

!Sample Image.png!

```
!Sample_Image.png!     will not work, as there is no attachment with this name
```

```
!"Sample Image.png"!   will not work, it doesn't seem to respect the quotes to enclose the filename
```

!"Sample Image.png"!

If you rename the file so that it does not containe spaces it does work

```
!SampleImage2.png! will work
```

I know it is best practice to name files without spaces, but the users have been used to working with the underscores for a couple of years now. What is the best way to reference the attachment (containing spaces in the name) or revert to the previous file handling (less preferable).

Related issues:

Related to Redmine - Defect #10182: UTF and Attachments	**New**
Related to Redmine - Feature #26071: Generate markup for uploaded image dropp...	**Closed**
Has duplicate Redmine - Defect #17679: Attached inline image not working	**Closed**
Has duplicate Redmine - Defect #13375: Inline Image formatting does not allow...	**Closed**

History

#1 - 2012-02-09 21:42 - Jason Palmer

Sorry, I missed a slash on one of the pre tags

```
!Sample Image.png!     will not, as it does not recognise this as a complete image reference
```

!Sample Image.png!

```
!Sample_Image.png!     will not work, as there is no attachment with this name
```

```
 Sample_Image.png
!"Sample Image.png"!   will not work, it doesn't seem to respect the filename
```

!"Sample Image.png"!

If you rename the file so that it does not containe spaces it does work

```
!SampleImage2.png! will work
```

SampleImage2.png

#2 - 2012-02-28 16:45 - Vitaly Klimov

It also concerns filenames with parentheses in name, because redcloth parser uses text in parentheses inside image tag as an image title. So i guess one should patch redcloth or fall back to the old file naming rules

#3 - 2012-02-28 18:41 - Etienne Massip

- Description updated

#4 - 2012-03-06 10:54 - fangzheng ( )

Really important issue.
Watch it and wait for developer's feedback.

#5 - 2012-04-19 14:41 - Mirko Geissler

Still present in 1.4.0 it seems!

#6 - 2012-04-19 15:14 - Jean-Philippe Lang

Textile syntax does not support spaces in image names. If you want to display your image inline, don't use spaces in its name.

#7 - 2012-04-19 23:46 - Jason Palmer

I figured that textile did not support spaces in the filenames - I was unable to find out how to wrap the filename to ensure it was parsed correctly to display the inline image. This is one effect of the system no longer renaming file attachments to replace unsupported characters with a (predictable) close approximation of the original name. The bulk of our attachments are now a stored as a hash of the original file name.

That being said, I do appreciate the system preserving the original file name. Perhaps best practice for us moving forward is just to ensure that files are named appropriately prior to being attached, until someone can find a method of passing the attachment name to the inline image function (or other function that does not support files with spaces). Is it possible to lookup and pass the hashed filename to the inline image function if the original filename containing spaces is entered?

e.g. entering

```
!Sample Image.png!
```

becomes

```
!53616d706c6520496d616765.png!
```

automatically, and the image is displayed?

#8 - 2012-11-19 03:34 - Dicky Hadiyuwono

- File space_in_inline_image_filename.patch added

This prove to be crucial with our workflow since Skitch uses space in its output file.
I've made a workaround by simply substituting space with %20.

eg. !Photo Skitch Document.png! -> **!Photo%20Skitch%20Document.png!**

#9 - 2012-11-19 04:13 - Jason Palmer

In the newer releases of Redmine, I have noticed that the thumbnail feature seems to be able to deal with the spaces in attachment names (either that or one of the Redmine admins at our site toggled a switch to prevent the renaming). Thumbnails are usually better for our use, though we do still need to actually embed the full-sized images from time to time.

```
{{Sample Image.png, size=150, title=Thumbnail)}}
```

{{Sample Image.png, size=150, title=Thumbnail)}}

#10 - 2012-12-07 01:37 - Philipp erpel

Here's another workaround:

Sample Image.png
Just use a url starting from root:

```
!/attachments/download/7187/Sample%20Image.png!
```

It would also work with http://www.redmine.org/attachments/download/7187/Sample%20Image.png but then you have the host part permanently in your content and that might not be so cool.

#11 - 2013-12-04 00:19 - Jeff Fendley

- File unescape_inline_attachment_filename.patch added

Dicky Hadiyuwono wrote:

> This prove to be crucial with our workflow since Skitch uses space in its output file.
> I've made a workaround by simply substituting space with %20.
>
> eg. !Photo Skitch Document.png! -> **!Photo%20Skitch%20Document.png!**

I'm migrating another wiki to Redmine and this solution works great. It doesn't require changes to the Textile parser or your filenames, it just makes escaping work properly. I suggest using **CGI.unescape**, though, since that would fix the parentheses problem, e.g. for

write

!rex%28dog%29.jpg(My dog, Rex)!

#12 - 2013-12-05 20:14 - Paulo Neves

Hi this Issue is so important. I was going in circles trying to find why my images were not showing up. It seems that they all had spaces. Why the hell is this not a major bug?

Jeff: Your patch only corrects what is newly attached, not the already existing attached images, am i correct? Also I find asking a user to mess around with %20s and the like a bit out of line for non techie people. I am currently looking into the textile regex, but if I am correct the problem was with Redmine *abusing* the inline image system.

Thank you for your patches in the mean time.

#13 - 2013-12-12 20:16 - Steffen Hartmann

Philipp erpel wrote:

> Here's another workaround:
>
> Sample Image.png
> Just use a url starting from root:
> [...]
>
> It would also work with http://www.redmine.org/attachments/download/7187/Sample%20Image.png but then you have the host part permanently in your content and that might not be so cool.

This works for me too with redmine 2.3.3 but it's hard to find out the file number 7187 before actually uploading (i.e. for preview).

#14 - 2013-12-15 14:13 - Paulo Neves

- File images_with_space.patch added

I have taken a different approach that tries not to break the existing images with space, as well as the new ones.
I haven't run Redmine tests with it but I think they should pass.

The way the patch works is by adding additional processing to the parse_inline_attachments. This method is originally responsible for detecting inlined images that exist as attachments. This function is responsible for overriding the normal functionality of Redcloth. Redcloth intends the mechanism ! ! to be used with fully qualified image urls or images with relative names. This function basically processes wrong <img src> generated by redcloth and corrects it to point to the attachment.

My patch tries to find ! ! which were not processed at all by Redcloth because they had unsupported syntax (like having space inside the block). This patch makes a last effort to catch the unparsed ! ! without requiring any change to both Redcloth nor Redmine image syntax.

I have found this regression on redcloth but it hasn't been corrected since 2009 and the mantainer seems to have given up. I think the problem is in the way the attributes of the images are separated from the source by a space. To allow for both images with spaces in them and space separated attributes is almost impossible, at least without any complicated logic that figures out if a part of the string are attributes or a filename of an image. Below is the regular expression used by *Redcloth*:

```
    IMAGE_RE = /
            (>|\s|^)              # start of line?
            \!                    # opening
            (\<|\=|\>)?           # optional alignment atts
            (#{C})                # optional style,class atts
            (?:\. )?              # optional dot-space
            ([^\s(!]+?)           # presume this is the src
            \s?                   # optional space
            (?:\((((?:[^\(\)]|\([^\)]+\))+?)\)))?   # optional title
            \!                    # closing
            (?::#{ HYPERLINK })? # optional href
        /x
```

I hope it helps.

#15 - 2014-05-21 09:25 - T Leish

Added an image menu plugin that helps with this issue:

> "The image menu button detects if there are spaces and inserts a modified path to support spaces file name."

Redmine jsToolbar Images Extension

#16 - 2014-08-20 14:00 - Jānis Elmeris

Dicky Hadiyuwono wrote:

> This prove to be crucial with our workflow since Skitch uses space in its output file.
> I've made a workaround by simply substituting space with %20.
>
> eg. !Photo Skitch Document.png! -> **!Photo%20Skitch%20Document.png!**

Still doesn't work (in 2.3.4). Also, the space replaced with '%20' doesn't work, the path is not resolved to where the image is located.

#17 - 2014-08-20 18:31 - T Leish

My experience with image space names and Redmine is:

Doesn't work

```
!Photo Skitch Document.png!
```

Doesn't work

```
!Photo%20Skitch%20Document.png!
```

Works

```
!/attachments/download/12345/Photo%20Skitch%20Document.png!
```

To get this last example to work, you need to grab the full url from the uploaded image, which is why I created the Redmine jsToolbar Images Extension to figure this out automatically.

#18 - 2014-09-12 05:11 - Toshi MARUYAMA

- Has duplicate Defect #17679: Attached inline image not working added

#19 - 2014-09-13 05:29 - Toshi MARUYAMA

- Related to Defect #10182: UTF and Attachments added

#20 - 2014-09-13 05:32 - Toshi MARUYAMA

- Has duplicate Defect #13375: Inline Image formatting does not allow a file name with spaces added

#21 - 2015-12-04 09:23 - Laurent Girard

+1

#22 - 2016-04-13 16:34 - Inese Ez

+1

#23 - 2016-06-28 19:25 - Fernando Hartmann

+1

#24 - 2016-07-05 06:14 - Toshi MARUYAMA

- Category changed from Wiki to Text formatting

#25 - 2016-11-04 05:44 - Stephane Lapie

+1

#26 - 2016-11-17 08:55 - Jose Mari M

+1

#27 - 2017-06-22 16:06 - Toshi MARUYAMA

- Related to Feature #26071: Generate markup for uploaded image dropped into wiki-edit textarea added

#28 - 2022-08-22 13:04 - Mischka Lebensland

On Redmine 4.0:

Doesn't work

```
!Photo Skitch Document.png!
```

Works

```
!Photo%20Skitch%20Document.png!
```

#29 - 2023-05-13 10:32 - Andreas Baumgärtner

+1

redmine 5.0.0

not working yet

```
!some helpful picture.png!
```

workaround confirmed

```
!some%20helpful%20picture.png!
```

Files

Sample Image.png	10.6 KB	2012-02-09	Jason Palmer
SampleImage2.png	10 KB	2012-02-09	Jason Palmer
space_in_inline_image_filename.patch	777 Bytes	2012-11-19	Dicky Hadiyuwono
unescape_inline_attachment_filename.patch	465 Bytes	2013-12-03	Jeff Fendley
images_with_space.patch	909 Bytes	2013-12-15	Paulo Neves