

Redmine - Feature #2047

Add SVG support, like images

2008-10-18 01:15 - Pierre Bertet

Status:	New	Start date:	2008-10-18
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Attachments	Estimated time:	0.00 hour
Target version:	Candidate for next major release		
Resolution:			
Description			
It would be great if we could :			
<ul style="list-style-type: none">- Show attached SVG (no direct download)- Insert an SVG file in wiki pages, with a syntax near from "!!"			
Syntax proposal :			
Wiki : ° link/to/svg_file.svg °			
HTML : <object data="link/to/svg_file.svg" width="100" height="100" type="image/svg+xml">Error</object>			

History

#1 - 2008-10-18 01:24 - Pierre Bertet

Update (I forgot the dimensions) :

Wiki : °[link/to/svg_file.svg\(100x100\)](#)°

HTML : <object data="link/to/svg_file.svg" width="100" height="100" type="image/svg+xml">Error</object>

#2 - 2009-04-03 10:30 - Oleg Lozinskij

Pierre Bertet wrote:

Update (I forgot the dimensions) :

Wiki : °[link/to/svg_file.svg\(100x100\)](#)°

HTML : <object data="link/to/svg_file.svg" width="100" height="100" type="image/svg+xml">Error</object>

Exactly what I was looking for :)

It is already available?

#3 - 2010-05-14 20:11 - Pierre Bertet

Any news?

#4 - 2012-08-03 07:24 - Karel Pičman

+1

#5 - 2012-08-03 09:30 - Karel Pičman

You can display SVG image if you put full URL of the image:

!http://www.redmine.org/attachments/download/1042/ananas.svg!

<http://www.redmine.org/attachments/download/1042/ananas.svg>

#6 - 2012-08-08 15:56 - Jun NAITOH

+1

patch for trunk.

- Show attached SVG (no direct download)

Index: app/models/attachment.rb

=====

```
--- app/models/attachment.rb (revision 10173)
+++ app/models/attachment.rb (working copy)
@@ -162,7 +162,7 @@
  end

  def image?
-  !(self.filename =~ /\.(bmp|gif|jpg|jpeg|png)$/i)
+  !(self.filename =~ /\.(bmp|gif|jpg|jpeg|png|svg)$/i)
  end
```

def thumbnailable?

- Insert attached SVG file in wiki pages, with a syntax near from "!!"

Index: app/helpers/application_helper.rb

=====

```
--- app/helpers/application_helper.rb (revision 10173)
+++ app/helpers/application_helper.rb (working copy)
@@ -572,7 +572,7 @@
  # when using an image link, try to use an attachment, if possible
  if options[:attachments] || (obj && obj.respond_to?(:attachments))
    attachments = options[:attachments] || obj.attachments
-   text.gsub!(/src="([\^v"]+\.(bmp|gif|jpg|jpeg|png))"(\s+alt="([\^"]*)"?/i) do |m|
+   text.gsub!(/src="([\^v"]+\.(bmp|gif|jpg|jpeg|png|svg))"(\s+alt="([\^"]*)"?/i) do |m|
    filename, ext, alt, alttext = $1.downcase, $2, $3, $4
    # search for the picture in attachments
    if found = Attachment.latest_attach(attachments, filename)
```

#7 - 2012-09-04 16:28 - YT Wu

can this patch support the export to PDF function (with image in the PDF file) ?

#8 - 2012-09-05 00:38 - Jun NAITOH

YT Wu wrote:

| *can this patch support the export to PDF function (with image in the PDF file) ?*

No.

Because, RFPDF library is not supporting SVG file.

#9 - 2013-02-28 12:31 - Evgeny Seliverstov

Jun NAITOH wrote:

| *patch for trunk.*

Is there a chance to get this small patch in trunk? Manual patches to redmine files is not a best solution.
I think it can't break anything except a missed image in PDF.

#10 - 2013-03-01 00:47 - Mischa The Evil

- *Target version set to Candidate for next major release*

The patches in note-6 from Jun NAITOH seem feasible.

#11 - 2013-04-23 22:39 - Gabriel Mazetto

RFPDF is obsolete, even the author is migrating to Prawn: <https://github.com/edwinmoss/rfpdf> We should consider migrating too.

#12 - 2013-05-01 07:42 - Toshi MARUYAMA

Gabriel Mazetto wrote:

| *RFPDF is obsolete, even the author is migrating to Prawn: <https://github.com/edwinmoss/rfpdf> We should consider migrating too.*

RFPDF is maintained by Jun NAITOH.

<https://github.com/naitoh/rfpdf>

#13 - 2013-09-05 03:26 - Adrien Crivelli

We often use SVG images and would be glad to see them supported with the same syntax as any other images. I am in favor of implementing patch suggested in note 6.

#14 - 2014-02-26 14:01 - Paulo Neves

This is really easy to implement. Is there any needed step still? Do the maintainers need a test unit for this?

#15 - 2015-04-14 04:07 - yp xiao

This is a really useful feature!

#16 - 2015-10-04 05:25 - Go MAEDA

I tried Jun NAITOH's patch pasted on #2047#note-6 but thumbnails for SVG images are not properly generated on my environment.

- Redmine 3.1.1.devel.14638
- ImageMagick 6.8.9-8
- Mac OS X 10.9.5

error messages in development.log:

```
Creating thumbnail failed (pid 16631 exit 1):  
Command: 'convert' '/path/to/redmine/files/2015/10/151004112923_ananas.svg' -thumbnail '100x100>'  
'/path/to/redmine/tmp/thumbnails/40_6f1215c37c5a7abc38cc60463fac05df_100.thumb'
```

command line:

```
$ convert ananas.svg -thumbnail 100x100  
convert: delegate failed `rsvg-convert' -o "%o" "%i" @ error/delegate.c/InvokeDelegate/1153.  
convert: unable to open image `/var/tmp/magick-16839ei4QFzFms7K4': No such file or directory @ error/blob.c/OpenBlob/2709.  
convert: unable to open file `/var/tmp/magick-16839ei4QFzFms7K4': No such file or directory @ error/constitute.c/ReadImage/540.  
convert: missing an image filename `100x100' @ error/convert.c/ConvertImageCommand/3184.
```

#17 - 2016-12-02 16:09 - Silvio Knizek

Karel Pičman wrote:

```
| You can display SVG image if you put full URL of the image:  
|  
| [...]   
|   
| http://www.redmine.org/attachments/download/1042/ananas.svg
```

The problem with this is that you can't click on any hyperlinks embedded into the SVG. So for SVG a specific case would be more appropriate.

#18 - 2016-12-02 17:09 - Zer Guz

#19 - 2016-12-23 09:48 - Go MAEDA

Current implementation of `Redmine::Thumbnail.generate` method creates thumbnail images in same format with original image. But `ImageMagick` convert command cannot make thumbnails in SVG format. The following is a result of `convert ananas.svg -thumbnail 100x100 thumbnail.svg`.

```
<?xml version="1.0" standalone="no"?>
<!DOCTYPE svg PUBLIC "-//W3C//DTD SVG 20010904//EN"
"http://www.w3.org/TR/2001/REC-SVG-20010904/DTD/svg10.dtd">
<svg width="100" height="100">
<g style="</svg>
```

Maybe we have to generate all thumbnails in PNG or JPEG format to support SVG images.

#20 - 2020-03-24 13:20 - Keith Carangelo

I was able to add thumbnail previews of images in SVG format by returning the original source file as the thumbnail instead of generating a new file. I also needed to add a width (`width="100%"`) to the thumbnail image link to get the SVG to display.

```
diff --git a/app/models/attachment.rb b/app/models/attachment.rb
index 3affca0ba..0c204a88f 100644
--- a/app/models/attachment.rb
+++ b/app/models/attachment.rb
@@ -195,7 +195,7 @@ class Attachment < ActiveRecord::Base
  end

  def image?
-  !!self.filename =~ /\.(bmp|gif|jpg|jpeg|png)$/i
+  !!self.filename =~ /\.(bmp|gif|jpg|jpeg|png|svg)$/i
  end

  def thumbnailable?
@@ -216,6 +216,12 @@ class Attachment < ActiveRecord::Base
    size = Setting.thumbnails_size.to_i
    end
    size = 100 unless size > 0
+
+  # For SVG format, simply return the file as the target
+  if is_svg?
+    return self.diskfile
+  end
+
    target = File.join(self.class.thumbnails_storage_path, "#{id}_#{digest}_#{size}.thumb")

    begin
@@ -242,6 +248,10 @@ class Attachment < ActiveRecord::Base
    Redmine::MimeType.is_type?('image', filename)
  end

+  def is_svg?
```

```
+ Redmine::MimeType.of(filename) == "image/svg+xml"
+ end
+
def is_diff?
  self.filename =~ /\.(\patch|diff)$/i
end
```

```
diff --git a/app/helpers/application_helper.rb b/app/helpers/application_helper.rb
index 7a3a375c0..4059788e0 100644
--- a/app/helpers/application_helper.rb
+++ b/app/helpers/application_helper.rb
@@ -268,7 +268,7 @@ module ApplicationHelper
  image_tag(
    thumbnail_path(attachment),
    :srcset => "#{thumbnail_path(attachment, :size => thumbnail_size * 2)} 2x",
-   :style => "max-width: #{thumbnail_size}px; max-height: #{thumbnail_size}px;"
+   :style => "width: 100%; max-width: #{thumbnail_size}px; max-height: #{thumbnail_size}px;"
  ),
  attachment_path(
    attachment
```

Files

ananas.svg	34.7 KB	2008-10-17	Pierre Bertet
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