

## Redmine - Feature #2047

### Add SVG support, like images

2008-10-18 01:15 - Pierre Bertet

<b>Status:</b>	New	<b>Start date:</b>	2008-10-18
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Attachments	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Candidate for next major release		
<b>Resolution:</b>			
<b>Description</b>			
It would be great if we could :			
<ul style="list-style-type: none"><li>• Show attached SVG (no direct download)</li><li>• Insert an SVG file in wiki pages, with a syntax near from "!!"</li></ul>			
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>			
<b>Related issues:</b>			
Related to Redmine - Feature #11998: PDF export svg support <span style="float: right;">New</span>			

#### 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!
```

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|jpe|jpeg|png)$/i)
+    !! (self.filename =~ /\.(bmp|gif|jpg|jpe|jpeg|png|svg)$/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="([\\"/"]+\.(bmp|gif|jpg|jpe|jpeg|png))"(\s+alt="([^\"]*)")?/i) do |m|
+      text.gsub!(/src="([\\"/"]+\.(bmp|gif|jpg|jpe|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/rpdf> 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/rpdf> We should consider migrating too.

#### #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:

[...]

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

+1

#### #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|jpe|jpeg|png) $/i)
+   !! (self.filename =~ /\. (bmp|gif|jpg|jpe|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
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
  )
end
```

## #21 - 2022-02-10 16:24 - Gary Aitken

Should clicking on the thumbnail display the .svg?

With the mods mentioned above, I get the thumbnail ok, but clicking on the thumbnail displays the source.

Also, if I have two references in a note:

```
The local copy of ananas.svg should appear below here
!https://my-domain.com/my-redmine/attachments/558/ananas.svg!
The remote copy of ananas.svg should appear below here
!http://www.redmine.org/attachments/download/1042/ananas.svg!
```

The first one does not display in the note, and the second one does.

Edit: adding the "download" element of the path causes it to work:

```
!https://my-domain.com/my-redmine/attachments/download/558/ananas.svg!
```

## #22 - 2023-06-21 15:09 - T H

Just as an additional thought: I had success embedding a simple SVG file as an image with the "download url workaround". However, when exporting

the wiki page as PDF, the image is not included. So a full implementation of SVG support needs to consider exporting pages as well.

**#23 - 2024-01-21 10:12 - Go MAEDA**

- *Related to Feature #11998: PDF export svg support added*

## Files

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