

Redmine - Feature #32898

PDF thumbnails support on Windows

2020-01-28 01:32 - taca tadocolo

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee: Go MAEDA	% Done: 0%
Category: Attachments	Estimated time: 0.00 hour
Target version: 5.0.0	
Resolution: Fixed	

Description

Redmine 4.1.0 don't support PDF thumbnails on Windows. (#22481)
For Windows, "gswin64c(32c).exe"(command line version) can be used instead of "gswin64(32).exe".
By applying this diff, we can detect the presence of Ghostscript on Windows without side effects.

```
--- org/lib/redmine/thumbnail.rb
+++ patch/lib/redmine/thumbnail.rb
@@ -77,5 +77,6 @@

    if Redmine::Platform.mswin?
-     @gs_available = false
+     @gs_available = system("gswin64c -version > nul 2>&1") rescue false
+     @gs_available ||= system("gswin32c -version > nul 2>&1") rescue false
    else
      begin
```

Related issues:

Related to Redmine - Feature # 22481: Show thumbnails for PDF attachments	Closed
Related to Redmine - Defect # 33283: Thumbnail support for PDF attachments ma...	Closed

Associated revisions

Revision 21008 - 2021-05-25 04:36 - Go MAEDA

PDF thumbnails support on Windows (#32898).

History

#1 - 2020-01-28 04:25 - Go MAEDA

- Related to Feature #22481: Show thumbnails for PDF attachments added

#2 - 2020-06-26 03:54 - Go MAEDA

- Related to Defect #33283: Thumbnail support for PDF attachments may not be detected added

#3 - 2020-06-26 03:57 - Go MAEDA

- Status changed from New to Closed

Redmine 4.1.2 will support a new setting `gs_command` in `config/configuration.yml` (#33283). You can set the command name such as "gswin64c" and "gswin32c".

#4 - 2021-03-31 11:56 - Steve Zhou

Go MAEDA wrote:

```
Redmine 4.1.2 will support a new setting gs_command in config/configuration.yml (#33283). You can set the command name such as "gswin64c" and "gswin32c".
```

I checked this new setting again, please find the result as below.

[Environment]

OS: Windows 10 x64

Redmine:4.2.0

Imagemagick: 6.9.8

Ghostscript: 9.21

[Case 1]

Set `gs_command` in `config/configuration.yml`

Result: ImageMagick PDF support available (optional) in Information page is not checked.

[Case 2]

No setting `gs_command` in `config/configuration.yml`

But change `/lib/redmine/thumbnail.rb` with the code `"@gs_available = system("gswin64c -version > nul 2>&1") rescue false"`

Result: ImageMagick PDF support available (optional) in Information page is checked and convert cmd is working in windows.

So, could you please change the code in `/lib/redmine/thumbnail.rb`, then the `gs_command` can also be worked in windows.

If `gs_command` is set, there is no need to judge operating system environment.

```
begin
  `#{shell_quote GS_BIN} -version`
  @gs_available = $?<code>success?</code>
rescue
  @gs_available = false
end
```

#5 - 2021-03-31 15:41 - Go MAEDA

- File `pdf-thumbnail-win.patch` added

- Status changed from *Closed* to *New*

Steve Zhou, thank you for your feedback.

Could you try the attached patch **without** setting `imagemagick_convert_command` in `configuration.yml`? I think it should successfully show PDF thumbnails on Windows.

After applying the patch, Redmine will determine whether it should use `gswin64c` or `gswin32c` if you are running Redmine on Windows.

#6 - 2021-04-01 05:57 - Steve Zhou

Go MAEDA wrote:

Steve Zhou, thank you for your feedback.

Could you try the attached patch **without** setting `imagemagick_convert_command` in `configuration.yml`? I think it should successfully show PDF thumbnails on Windows.

After applying the patch, Redmine will determine whether it should use `gswin64c` or `gswin32c` if you are running Redmine on Windows.

MAEDA-san, I tested the patch, it can successfully show PDF thumbnails on Windows with setting `imagemagick_convert_command` and `gs_command` in `configuration.yml`.

But without the setting in `configuration.yml`, (instead, configuring path in environment variables), it cannot show PDF thumbnails.

#7 - 2021-04-01 06:14 - Go MAEDA

Steve Zhou wrote:

MAEDA-san, I tested the patch, it can successfully show PDF thumbnails on Windows with setting `imagemagick_convert_command` and `gs_command` in `configuration.yml`.

But without the setting in `configuration.yml`, (instead, configuring path in environment variables), it cannot show PDF thumbnails.

Zhou, thank you for testing the patch.

As you wrote, now I understood that rejecting Windows is not necessary. I will try to make it possible to display PDF thumbnails on Windows in a near future release.

#8 - 2021-04-01 08:47 - Steve Zhou

Go MAEDA wrote:

Steve Zhou wrote:

MAEDA-san, I tested the patch, it can successfully show PDF thumbnails on Windows with setting `imagemagick_convert_command` and `gs_command` in `configuration.yml`.

But without the setting in `configuration.yml`, (instead, configuring path in environment variables), it cannot show PDF thumbnails.

Zhou, thank you for testing the patch.

As you wrote, now I understood that rejecting Windows is not necessary. I will try to make it possible to display PDF thumbnails on Windows in a near future release.

Well noted with thanks.

#9 - 2021-05-07 08:38 - Go MAEDA

- Target version set to Candidate for next major release

#10 - 2021-05-16 04:41 - Go MAEDA

- File `pdf-thumbnail-win-v2.patch` added

#11 - 2021-05-16 04:48 - Go MAEDA

- Tracker changed from Patch to Feature

- Subject changed from *Let's show PDF thumbnails on Windows.* to *PDF thumbnails support on Windows*
- Target version changed from *Candidate for next major release* to *5.0.0*

Setting the target version to 5.0.0.

#12 - 2021-05-23 08:40 - Go MAEDA

- File *pdf-thumbnail-win-v3.patch* added

Removed the code for 32bit Windows from the patch.

I think there are very few people running Redmine on 32bit Windows now, so there is little need to add a method that checks for 32bit Windows to `lib/redmine/platform.rb`.

If you are using the 32bit version of `gswin32c.exe`, you can still generate PDF thumbnails by setting `gs_command` in `configuration.yml`.

#13 - 2021-05-25 04:36 - Go MAEDA

- Status changed from *New* to *Closed*
- Assignee set to *Go MAEDA*
- Resolution set to *Fixed*

Committed the patch. Thank you all for your contribution.

Files

<code>pdf-thumbnail-win.patch</code>	1.78 KB	2021-03-31	Go MAEDA
<code>pdf-thumbnail-win-v2.patch</code>	1.71 KB	2021-05-16	Go MAEDA
<code>pdf-thumbnail-win-v3.patch</code>	1.22 KB	2021-05-23	Go MAEDA