Redmine - Patch #32146

Add more supported mimetypes

2019-09-26 07:41 - Anonymous

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

Description

The patch adds more mime-types which are supported by browsers natively, this is considering that Redmine can now also preview some multimedia formats.

History

#1 - 2019-09-26 08:18 - Go MAEDA

- Target version set to Candidate for next major release

#2 - 2019-09-26 09:44 - Go MAEDA

Maybe we don't have to add .svg, .webp, .ico, .ogg, .wav, and .flac because mini_mime knows them.

```
[8] pry(main)> MiniMime.lookup_by_filename("a.svg")&.content_type
=> "image/svg+xml"
[9] pry(main)> MiniMime.lookup_by_filename("a.webp")&.content_type
=> "image/webp"
[10] pry(main)> MiniMime.lookup_by_filename("a.ico")&.content_type
=> "image/vnd.microsoft.icon"
[12] pry(main)> MiniMime.lookup_by_filename("a.ogg")&.content_type
=> "audio/ogg"
[13] pry(main)> MiniMime.lookup_by_filename("a.wav")&.content_type
=> "audio/x-wav"
[14] pry(main)> MiniMime.lookup_by_filename("a.flac")&.content_type
=> "audio/x-flac"
```

#3 - 2019-09-26 10:08 - Go MAEDA

"image/apng" is not a registered media type (https://www.iana.org/assignments/media-types/media-types.xhtml). Instead, we can assign "image/png" to ".apng" extension. I was able to preview an APNG animation with the following change.

```
Index: lib/redmine/mime_type.rb
===================================================================
--- lib/redmine/mime_type.rb    (リビジョン 18541)
+++ lib/redmine/mime_type.rb    (作業コピー)
@@ -41,7 +41,7 @@
      'text/x-po' => 'po',
      'image/gif' => 'gif',
      'image/jpeg' => 'jpg,jpeg,jpe',
-     'image/png' => 'png',
+     'image/png' => 'png,apng',
      'image/tiff' => 'tiff,tif',
      'image/x-ms-bmp' => 'bmp',
      'application/javascript' => 'js',
```

#4 - 2019-09-26 10:21 - Anonymous

Go MAEDA wrote:

> Maybe we don't have to add .svg, .webp, .ico, .ogg, .wav, and .flac because mini_mime knows them.

It's for attachment media previewing I suppose.

Or else, does helper Redmine::MimeType.is_type?() also uses mini_mime to check the supported mime-type of a file then?

I was working on feature to enable file previews + side by side revision comparison of multimedia binaries in the repository view, so it's already kind-of partially implemented but only for attachments at the moment -> #27336, but it doesn't work in the repo view as of right now.

For some reason, a helper Redmine::MimeType.is_type?() which it seems like, even [#27336](#) relies on, doesn't return any trues on filetypes, unless they are added to mime_type.rb, hence it seems like a preview won't happen unless things are added to mime_type.rb

Or could I otherwise be doing something wrong?

#5 - 2019-09-26 10:40 - Anonymous

Go MAEDA wrote:

> "image/apng" is not a registered media type (https://www.iana.org/assignments/media-types/media-types.xhtml). Instead, we can assign "image/png" to ".apng" extension. I was able to preview an APNG animation with the following change.

Yes, thanks for that fix, I used MDN's mime-type list as reference, so hence why I defined it separately.

#6 - 2019-09-26 10:55 - Go MAEDA

Antonio McDeal wrote:

> Go MAEDA wrote:
>
> > Maybe we don't have to add .svg, .webp, .ico, .ogg, .wav, and .flac because mini_mime knows them.
>
> It's for attachment media previewing I suppose.
>
> Or else, does helper Redmine::MimeType.is_type?() also uses mini_mime to check the supported mime-type of a file then?

Yes. For example, .wav is not included in MIME_TYPES constant, but Redmine::MimeType.is_type? says it is a audio file.

```
[1] pry(main)> Redmine::MimeType.is_type?('audio', 'a.wav')
=> true
```

This is because mini_mime is used to determine the media type if the given extension is not included in MIME_TYPES constant. The behavior is implemented in Redmine::MimeType.of.

```
def self.of(name)
  ext = File.extname(name.to_s)[1..-1]
  if ext
    ext.downcase!
    EXTENSIONS[ext] || MiniMime.lookup_by_extension(ext)&.content_type
  end
end
```

#7 - 2019-09-26 17:30 - Go MAEDA

Antonio McDeal wrote:

> I was working on feature to enable file previews + side by side revision comparison of multimedia binaries in the repository view, so it's already kind-of partially implemented but only for attachments at the moment -> [#27336](#), but it doesn't work in the repo view as of right now.

Maybe it is another issue. I confirmed that audio/video preview in the repository browser does not work at all. Please see [#32153](#).

#8 - 2020-04-04 02:53 - Go MAEDA

- *Status changed from New to Closed*

- *Target version deleted (Candidate for next major release)*

Many of the extension and MIME type combinations added by this patch are already covered by mini_magic.

Files

more-mimetypes.patch	956 Bytes	2019-09-26	Anonymous