

Redmine - Patch #41919

Add width and height to img src

2024-12-02 12:33 - Kota Shiratsuka

Status: New	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category: UI	Estimated time: 0.00 hour
Target version:	

Description

Why do I need it?

[Feature #36294: Lazy load inline images](#)

If you read the image lazily, the position of the anchor will shift due to the lazy reading, and the image will not be displayed in the correct position, causing a scroll jump.

What's this patch?

0001-Add-width-and-height-when-img-src.patch

This patch extends the helper `parse_inline_attachments` to load images with MiniMagick, get their sizes, and add the image sizes to `weight=` and `height=`

However, it will not add them if there are specifications such as `{width:50%}`

```
clipboard-202412022032-qajmm.png
```

0002-Calling-MiniMagick-every-time-is-slow-so-l-m-going-t.patch

However, if there are a large number of inline images, loading them with MiniMagick each time will have a significant impact on performance.

This patch checks the key `redmine.attachments.digest` in `config.redmine_image_cache_store`, and if the image is not in the cache, it executes MiniMagick to save it to the cache, and if the image is in the cache, it returns the size of the image stored in the cache.

This means that MiniMagick does not need to be executed again, so the impact on performance is minimal.

The patch is set to production, but if you don't specify it, the default is `memory_store`.

The format and data stored in redis

```
[root@redmine ~]# valkey-cli -s /var/run/valkey/valkey.sock keys '*' | grep image_dimensions
image_dimensions:10a3b1ab516e31176798bb1fd952f747e1667e9b208d7d8d697b4535f9ea6178
image_dimensions:9377d274c36a84a7579541fafa525d1c21cee744a519d3194866bed3ca7370bb
image_dimensions:19d029f0ed62c02266d41ae91c77ab914595194045f163fc8e87d235c852a334
image_dimensions:f4c21653c4d6328ad70cd31326f8511678c3ae989703b029e14dc203f1e01ad5
image_dimensions:f981979a919e4fdd187dff1393e2c7e395dee7aef94fe273360466546e8cf1
image_dimensions:3c25facbf5e4d324ed943b4305476d4bae02cef90fd7f822a9d9a135f118391d
image_dimensions:198c592e908c4e7ba2d153df0e832a73759fb98d8819f5f0f27dc09aab34d9f1
image_dimensions:b1e1332cc1adb1b95b9768d410c6fb324b60cf04570d0835da75fc23ab2314c5
image_dimensions:2efaf328deb2b81fc2c4386d27d7d259dbc6f172fae66031b6fcaa8ea157f3dc
image_dimensions:8b35b9977232d3c02cfaedab14457a50647aa8bca150da14202f795d6f7a6a19
[root@redmine ~]# valkey-cli -s /var/run/valkey/valkey.sock GET
'image_dimensions:580cc763f5a06d1310d0e58852beae5a01c0f9a37304fabfc8cd8b48344f57a7'
"\x00\x04\b[\x06{\a:\nwidthi\x02 \x03:\x0bheighti\x02\x1e\x03"
```

History

#1 - 2024-12-02 15:10 - Kota Shiratsuka

- File 0001-Add-width-and-height-when-img-src.patch added

- File 0002-Calling-MiniMagick-every-time-is-slow-so-l-m-going-t.patch added

I will reattach the file that was rebased from the master branch.

#2 - 2024-12-02 15:10 - Kota Shiratsuka

Items to consider

We need to think about things like storage time and deletion methods for Redis, etc.
It might be better to put size information etc. in the redmine.attachments table when uploading
The resolution is called from the file name, such as @2x, but

dpi = image["%x"]

it might be better to read it in using something like

#3 - 2024-12-10 06:55 - Go MAEDA

Kota Shiratsuka wrote in [#note-2](#):

It might be better to put size information etc. in the redmine.attachments table when uploading

I think this solution is excellent. It avoids the need for a cache store and minimizes calls to ImageMagick, which is a nice benefit.

#4 - 2024-12-10 09:28 - Kota Shiratsuka

Ok, I understand.

I will try to store the size of the image in the database, but the columns to add to the table are
width
height

It would be intuitive to use something like

but considering that attachment is not necessarily an image, I'd like to make it more generic and use something like
I'd like to save it as {width: 50px; height: 50px; alt "exapmle image"}, which do you think is better?

#5 - 2025-02-15 09:09 - Go MAEDA

- Category set to UI

Files

clipboard-202412022032-qajmm.png	83.2 KB	2024-12-02	Kota Shiratsuka
0001-Add-width-and-height-when-img-src.patch	2.53 KB	2024-12-02	Kota Shiratsuka
0002-Calling-MiniMagick-every-time-is-slow-so-l-m-going-t.patch	2.94 KB	2024-12-02	Kota Shiratsuka
0001-Add-width-and-height-when-img-src.patch	2.75 KB	2024-12-02	Kota Shiratsuka
0002-Calling-MiniMagick-every-time-is-slow-so-l-m-going-t.patch	3.28 KB	2024-12-02	Kota Shiratsuka