

Redmine - Feature #38504

Display pasted images in appropriate size on HiDPI displays

2023-04-30 09:51 - Go MAEDA

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Attachments	Estimated time:	0.00 hour
Target version:	Candidate for next major release		
Resolution:			
Description			
The attached patch improves the image paste feature to display images in appropriate size when you use HiDPI displays like Mac's Retina Display.			
If you capture a screenshot on a HiDPI display and paste it into Redmine, the image will be displayed at twice the expected size. The image below is an example. Although the expected display size of the image is 400 x 240px, it is actually displayed at 800 x 480px. This is because the image was captured on a HiDPI display and its physical size is 800 x 480px. For me, this problem is really annoying.			
clipboard-202304301538-efqbd.png After applying the patch, Redmine recognizes the pixel density of the current display when pasting an image and adds an "@2x" or "@3x" suffix to the filename (e.g. clipboard-****@2x.png) depending on the recognized value of the pixel density. With the suffix, pasted images are displayed in an appropriate size. Note that Redmine 3.4.0 and later can recognize suffixes such as "@2x" and "@3x" and adjust the display size of the image (#24922).			
I believe this change will improve the UX when using HiDPI displays by resolving the problem that images are displayed at more than twice the size.			
Before: The image in a forum post is displayed twice as large as expected. clipboard-202304301631-1wwtu.png			
After: The image is displayed at the expected size due to the addition of the "@2x" suffix to the filename when pasting. clipboard-202304301632-bqnnp.png			

History

#1 - 2023-04-30 10:18 - Go MAEDA

- Description updated

#2 - 2023-05-01 09:26 - Go MAEDA

- Target version set to Candidate for next major release

#3 - 2023-05-05 11:21 - Go MAEDA

- Target version changed from Candidate for next major release to 5.1.0

Setting the target version to 5.1.0.

#4 - 2023-06-02 08:43 - Mitsuyoshi Kawabata

+1

#5 - 2023-10-21 02:35 - Go MAEDA

- Target version changed from 5.1.0 to 6.0.0

#6 - 2024-02-03 02:09 - Go MAEDA

- Target version changed from 6.0.0 to Candidate for next major release

I want to update the patch to specify the width of an image in the markup like GitHub, instead of using the "@2x" trick. This approach allows users to change or remove the width value if necessary.

Textile:

```
!{width: 400px;}.clipboard-202402030959-abcde.png!
```

CommonMark Markdown:

```

```

Deprecated Redcarpet-based Markdown:

```

```

(size specifications are not supported)

Files

clipboard-202304301538-efqbd.png	18.2 KB	2023-04-30	Go MAEDA
clipboard-202304301631-1wwtu.png	109 KB	2023-04-30	Go MAEDA
clipboard-202304301632-bqnnp.png	63.8 KB	2023-04-30	Go MAEDA
adjust-image-display-size-for-HiDPI-monitors.patch	1.19 KB	2023-04-30	Go MAEDA