

Fixed-pixels image resizing

There are five methods to specify the resulting dimensions for an image to be resized in pixel size (the size parameters must be positive numbers or -1 number). If the value is -1, it will resize an image to the document paper dimensions. For example:

```
$image.setWidth($diagram.image, -1)
```

As shown by the example, the image will be resized to a paper width while maintaining the aspect ratio. The value -1 applies only to certain template types such as *RTF*, *ODT*, and *DOCX*. If the value is -2, it will resize an image to document paper bounds if and only if image bounds are larger than paper bounds. For example:

```
$image.setWidth($diagram.image, -2)
```

Using the value -2 also maintains the image aspect ratio. However, it can only be applied to certain template types such as *RTF*, *ODT*, and *DOCX*.

\$image.setSize(image, sizeWidth, sizeHeight)

Return an image icon for an element. This method is used to resize the image to an exact size; the width and height in pixels.

	Name	Type	Description
Parameter(s)	image	com.nomagic.magicreport.Image	An image object for the element icon.
	sizeWidth	java.lang.Integer	The width of the image in pixels.
	sizeHeight	java.lang.Integer	The height of the image in pixels.
Return	-	com.nomagic.magicreport.Image	The resized image object for the element icon.

\$image.setHeight(image, size)

Return an image icon for an element. This method is used to resize the image to a specific height (in pixels), while maintaining the image aspect ratio.

	Name	Type	Description
Parameter(s)	image	com.nomagic.magicreport.Image	An image object for the element icon.
	size	java.lang.Integer	The height of the image in pixels.
Return	-	com.nomagic.magicreport.Image	The resized image object for the element icon.

\$image.setHeight(image, size, keepRatio)

Return an image icon for an element. This method is used to resize the image to a specific height (in pixels) and to specify whether the image aspect ratio is to be maintained or not (depending on the keepRatio parameter).

	Name	Type	Description
Parameter(s)	image	com.nomagic.magicreport.Image	An image object for the element icon.
	size	java.lang.Integer	The height of the image in pixels.
	keepRatio	java.lang.Boolean	A flag to maintain the image aspect ratio

Return	-	com.nomagic.magicreport.Image	The resized image object for the element icon.
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\$image.setWidth(image, size)

Return an image icon for an element. This method is used to resize the image to a specific width (in pixels), while maintaining the image aspect ratio.

	Name	Type	Description
Parameter(s)	image	com.nomagic.magicreport.Image	An image object for the element icon.
	size	java.lang.Integer	The width of the image in pixels.
Return	-	com.nomagic.magicreport.Image	The resized image object for the element icon.

\$image.setWidth(image, size, keepRatio)

Return an image icon for an element. This method is used to resize the image to a specific width (in pixels) and to specify whether the image aspect ratio is to be maintained or not (depending on the keepRatio parameter).

	Name	Type	Description
Parameter(s)	image	com.nomagic.magicreport.Image	An image object for the element icon.
	size	java.lang.Integer	The width of the image in pixels.
	keepRatio	java.lang.Boolean	A flag to maintain the image aspect ratio
Return	-	com.nomagic.magicreport.Image	The resized image object for the element icon.

Use **\$image.setSize(\$diagram.image, 200, 200)**, for example, to resize the image's width and height to 200 pixels. The following photos show the result.



Figure 1: Results of using the image set size function.

Use either **\$image.setWidth(\$diagram.image, 150)** or **\$image.setWidth(\$diagram.image, 150, true)**, for example, to resize the image's width to 150 pixels and maintain the image aspect ratio. The following photos show the result.

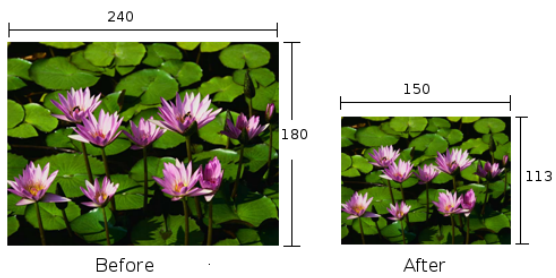


Figure 2: Results of using the image set width function.

Use `$image.setWidth($diagram.image, 150, false)`, for example, to resize the image's width to 150 pixels and ignore the image aspect ratio. The following photos show the result.



Figure 3: Results of using the image set width function.