Report Writing/ Images/ Inserting your images into LaTeX

Inserting your images into LaTeX

To include an image file in a LaTeX diagram, use the command `\includegraphics` from the package `graphicx`.

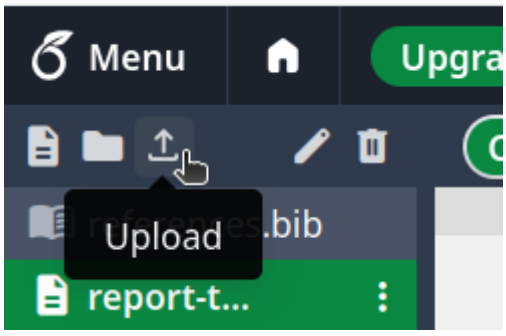
First we include the package in the header at the top of the file.

```
\usepackage{graphicx}
```

Now we can insert images. For example

```
\includegraphics{cat.jpg}
```

The image you are trying to include needs to be in the same place as your LaTeX file, for example if you are using Overleaf you will need to upload this to your Overleaf project.



If the image is too large, you can specify the width.

```
\includegraphics[width=3cm]{cat.jpg}
```

You can specific width in terms of the line width on the current page using fractional values. For example, this command makes the image 0.6 times the current line width.

```
\includegraphics[width=0.6\linewidth]{cat.jpg}
```

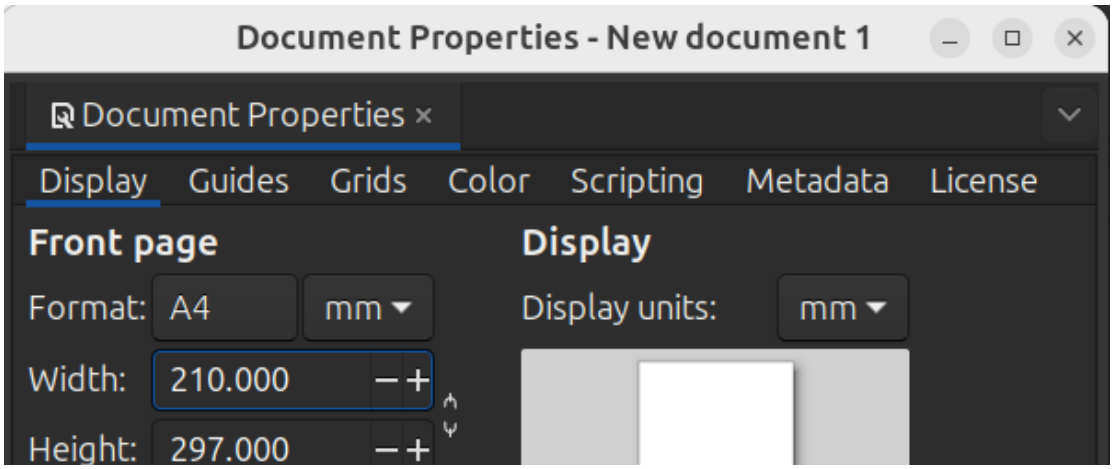
If the image is too small, the best thing is to go back to wherever you made your image and make the image again but bigger, because enlarging a small image leads to image quality problems.

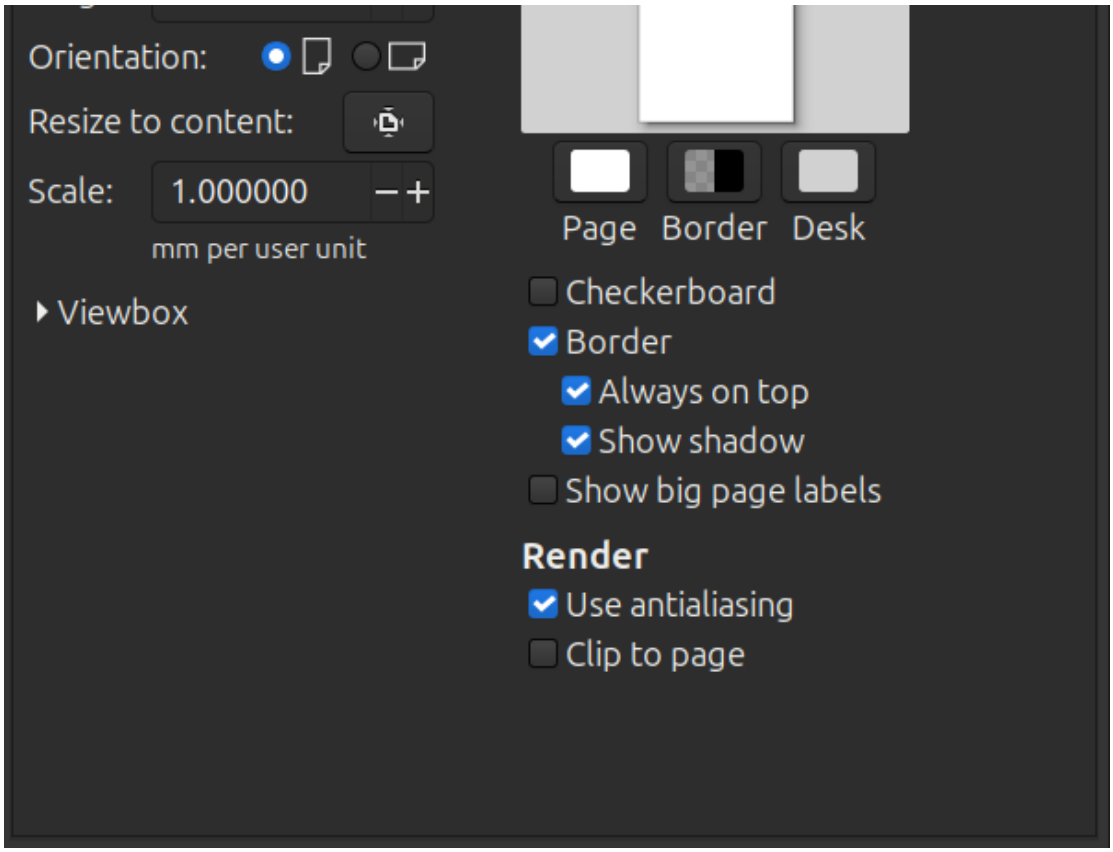
A note on using Inkscape

Inkscape files are saved as .svg, which can't be easily imported into LaTeX. You should save your Inkscape file as SVG because it allows you to edit it later, but for import into LaTeX you should also save it in another format which LaTeX will import, for example:

- Use File > Save As to save your image as a PDF;
- Use File > Export to save your image as a .png image.

Your image may contain some extra space around the image that you do not want. The easiest way to deal with this is to decrease the page size in Inkscape before saving or exporting the image. Find this under File > Document Properties where you can change the width and height of the page you are drawing on.




Orientation:
Resize to content:
Scale:
1.000000
mm per user unit
Viewbox
Page
Border
Desk
Checkerboard
Border
Always on top
Show shadow
Show big page labels
Render
Use antialiasing
Clip to page