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PDFs to images in Java



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This guide shows how to render an image from a PDF.

Rendering an image

It's possible to render images from a PDF on a page-by-page basis using the

`PdfPage.renderPage` method.

Once you have a document instance, the following will open a document and render page 0 with the dimensions of the page:

```
final PdfDocument document = PdfDocument.open(new FileDataProvider(new File("document.pdf")));
final PdfPage page = document.getPage(0);
final BufferedImage bitmap = page.renderPage();
```

To scale the image, pass the custom pixel width and height values required:

```
// Scales the page render to a 500x1000-pixel bitmap.
```



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```
final BufferedImage bitmap = page.renderPage(500, 1000);
```

To render all the pages to images and save them as PNGs, loop through the pages like so:

```
for (int i = 0; i < document.getPageCount(); i++) {  
    // Render a thumbnail for each page.  
    final PdfPage page = document.getPage(i);  
    final BufferedImage bufferedImage = page.renderPage();  
  
    // Write the render out to a PNG.  
    final File outputFile = new File("page" + i, ".png");  
    ImageIO.write(bufferedImage, "png", outputFile);  
}
```

Saving a bitmap to a file

`renderPage` returns a native Java `BufferedImage` object. Saving it out as a PNG image, for example, would look like this:

```
final BufferedImage bitmap = page.renderPage();  
final File file = new File("out/test.png");  
final boolean written = ImageIO.write(bitmap, "png", file);
```

Was this helpful?

✓ YES

✗ NO



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