

How to create PDF document containing pages of different size

Written by Apitron Documentation Team

Introduction

The vast majority of the PDF files we encounter has all pages sized equally, so they use some predefined paper size, e.g. A4, Letter, or any custom size. But what if you'd like to mix page sizes within the same document? Using [Apitron PDF Kit for .NET](#) component, you'll be able to produce documents containing pages sized any way you want.

There are three possible scenarios we'd like to cover:

1) Sizing pages using fixed layout API.

2) Sizing pages using flow layout API.

3) Producing PDF document using pages from separate documents. Using this method you create two or more documents containing pages of different size (or you already have them created), and combine them using [merging technique](#) or [copying technique](#) described in our blog.

The flow and fixed layout APIs are described in this [article](#).

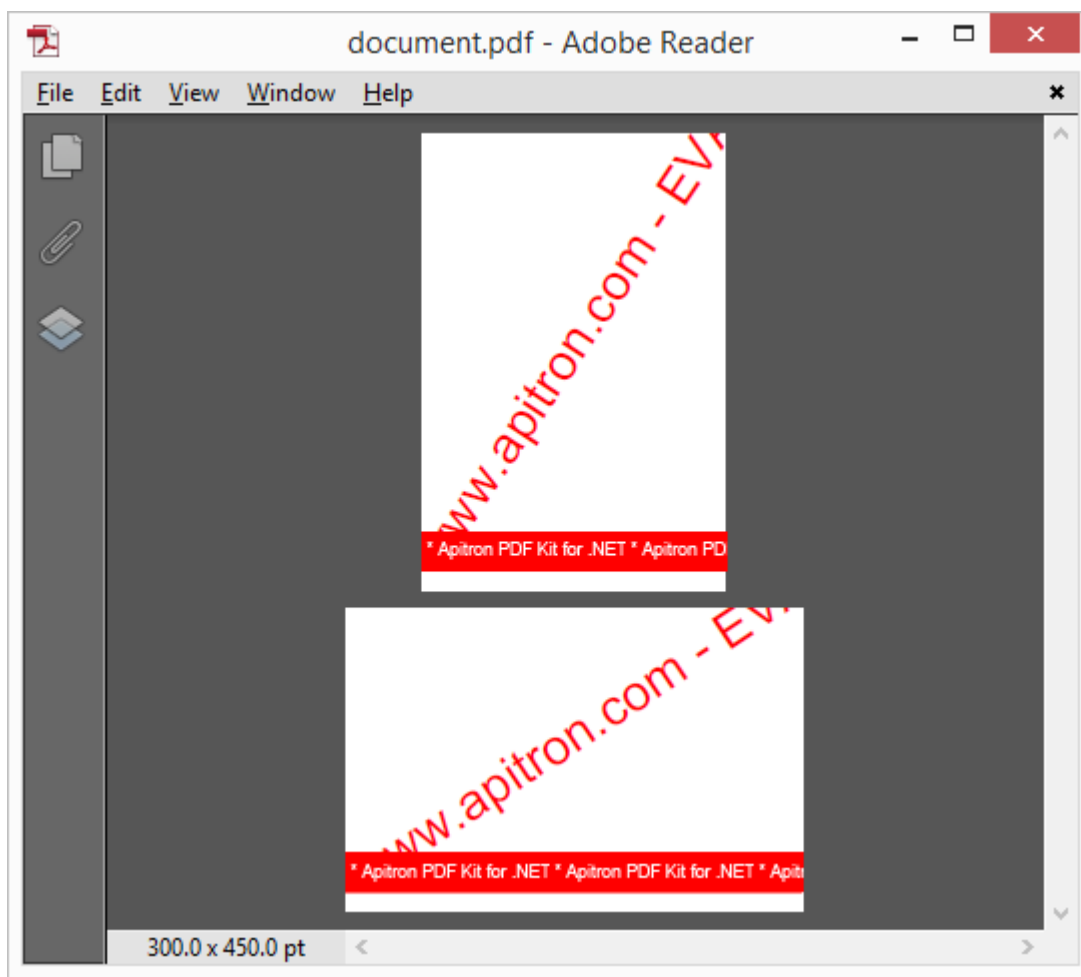
Sizing PDF pages using fixed layout API

For the fixed layout API it's quite straightforward, you create new PDF page and specify its size in constructor. See the code below:

```
using (Stream outputStream = File.Create("document.pdf"))
{
    // create new PDF document
    using (FixedDocument pdfDocument = new FixedDocument())
    {
        // create page with width=300 and height=450
        pdfDocument.Pages.Add(new Page(new PageBoundary(new Boundary(0,0,300,450))));
        // create page with width=450 and height=300
        pdfDocument.Pages.Add(new Page(new PageBoundary(new Boundary(0, 0, 450, 300))));

        // save the result
        pdfDocument.Save(outputStream);
    }
}
```

Resulting PDF file is shown below:



Pic. 1 PDF document with mixed page sizes (fixed layout)

Conclusion

Using the techniques described in this article you can easily create documents with pages of any desired size. [Apitron PDF Kit for .NET](#) component is flexible and powerful enough to help you implement any PDF processing task without much effort. You can download it by the following [link](#). This library is cross-platform, so you can create web, mobile and desktop applications not only for Windows-based devices, but also for iOS and Android using Xamarin and Mono.

The product is extensively documented, and its download package includes many ready to use samples demonstrating how to deal with most common PDF processing tasks. Read our [free book](#), browse [documentation](#) or ask us a question if you need any help.