

Split PDF file into separate pages using Apitron PDF Kit library

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Introduction

While working on applications requiring PDF processing you very often encounter a task of splitting a single PDF document to multiple pages. Our well-known library, [Apitron PDF Kit](#) makes you able to achieve this goal in clean and reliable manner.

We'll keep the demonstration simple as code speaks for itself better than a thousand words, see the complete listing with comments below.

The code

```
void SplitPDFDocument()
{
    // open main PDF file
    using (Stream file = File.OpenRead("fileToSplit.pdf"))
    {
        FixedDocument pdfDocument = new FixedDocument(file);

        // enumerate pages and save each page as separate PDF file
        for (int i = 0; i < pdfDocument.Pages.Count; i++)
        {
            FixedDocument pagePdfDocument = new FixedDocument();
            // Export page before inserting it into the new document,
            // it preserves resources used by this page.
            pagePdfDocument.Pages.Add(Page.Export(pagePdfDocument, pdfDocument.Pages[i]));

            // save page document
            using (Stream outputStream = File.Create(string.Format("page{0}.pdf", i)))
            {
                pagePdfDocument.Save(outputStream);
            }
        }
    }
}
```

The code above enumerates document pages and saves each page as separate PDF file, it's important to note that each page should be "exported" prior to saving. Exporting will preserve resources used by page content and make sure it's viewable. The complete book, describing PDF internals and processing techniques made possible with Apitron PDF Kit, is available by the following [link](#).