

## How to sign PDF and set security in C# and ByteScout PDF SDK

This code in C# shows how to sign PDF and set security with this how to tutorial

On this page you will learn from code samples for programming in C#. Writing of the code to sign PDF and set security in C# can be done by developers of any level using ByteScout PDF SDK. What is ByteScout PDF SDK? It is the SDK for pdf documents generation, modification and updates. Can also generate and fill PDF forms. Provides support for text (fonts, style, size, font family), layers, pdf form fields, vector and raster drawings. It can help you to sign PDF and set security in your C# application.

Fast application programming interfaces of ByteScout PDF SDK for C# plus the instruction and the code below will help you quickly learn how to sign PDF and set security. In your C# project or application you may simply copy & paste the code and then run your app! Implementing C# application typically includes multiple stages of the software development so even if the functionality works please test it with your data and the production environment.

Our website provides trial version of ByteScout PDF SDK for free. It also includes documentation and source code samples.

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Source Code Files:

```
using System.Diagnostics;
using System.Drawing;
using Bytescout.PDF;
using Font = Bytescout.PDF.Font;
using SolidBrush = Bytescout.PDF.SolidBrush;
using StringFormat = Bytescout.PDF.StringFormat;

namespace Signing
{
    /// <summary>
    /// This example demonstrates how to digitally sign PDF document.
    /// </summary>
    class Program
    {
        static void Main()
        {
            // Create new document
            Document pdfDocument = new Document();
            pdfDocument.RegistrationName = "demo";
            pdfDocument.RegistrationKey = "demo";
            // Add page
            Page page = new Page(PaperFormat.A4);
            pdfDocument.Pages.Add(page);

            // Add sample page content
            SolidBrush brush = new SolidBrush();
            Font font = new Font("Arial", 16);
            RectangleF rect = new RectangleF(0, 50, page.Width, 100);
            StringFormat stringFormat = new StringFormat();
            stringFormat.HorizontalAlign = HorizontalAlign.Center;
            page.Canvas.DrawString("Signature Test", font, brush, rect, stringFormat);

            // Signing parameters
            string certificateFile = ".\\demo_certificate.pfx";
            string certificatePassword = "123";
            // Optional parameters
            string signingReason = "Approval";
            string contactName = "John Smith";
            string location = "Corporate HQ";

            // Invisible signature
            pdfDocument.Sign(certificateFile, certificatePassword);

            // Visible signature
            RectangleF signatureRect = new RectangleF(400, 50, 150, 100);
            pdfDocument.Sign(certificateFile, certificatePassword, signatureRect, signingReason, contactName, location);

            // Save document to file
            pdfDocument.Save("result.pdf");

            // Cleanup
            pdfDocument.Dispose();

            // Open result document in default associated application (for demo purposes)
            ProcessStartInfo processStartInfo = new ProcessStartInfo("result.pdf");
        }
    }
}
```

```
        processStartInfo.UseShellExecute = true;
        Process.Start(processStartInfo);
    }
}
```

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## VIDEO

<https://www.youtube.com/watch?v=gdsQ0EAqwGQ>

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