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How to add annotation with markup in PDF in C# using ByteScout PDF SDK

The tutorial below will demonstrate how to add annotation with markup in PDF in C#.

These source code samples are listed and grouped by their programming language and functions they use. ByteScout PDF SDK can add annotation with markup in PDF. It can be used from C#. ByteScout PDF SDK is the pdf library that can create, update and modify PDF files. Supports text with fonts and style selections, layers, form fields, drawing lines and objects, automatic tables, images. Can be used to create and fill pdf forms.

C# code samples for C# developers help to speed up coding of your application when using ByteScout PDF SDK. In your C# project or application you may simply copy & paste the code and then run your app! Use of ByteScout PDF SDK in C# is also explained in the documentation included along with the product.

Free trial version of ByteScout PDF SDK is available on our website. Documentation and source code samples are included.

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Source Code Files:

Program.cs

```
using System.Diagnostics;
using System.Drawing;
using Bytescout.PDF;

namespace MarkupAnnotation
{
    /// <summary>
    /// This example demonstrates how to add markup annotations.
    /// </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);

            // Draw sample markup annotations

            SquareAnnotation squareAnnotation = new SquareAnnotation(20, 20, 80, 80);
            squareAnnotation.BackgroundColor = new ColorRGB(255, 240, 240);
            squareAnnotation.BorderStyle.Style = BorderStyle.Dashed;
            squareAnnotation.BorderStyle.DashPattern = new DashPattern(new float[] { 3, 3 });
            page.Annotations.Add(squareAnnotation);

            CircleAnnotation circleAnnotation = new CircleAnnotation(120, 20, 80, 80);
            circleAnnotation.BackgroundColor = new ColorRGB(240, 250, 240);
            circleAnnotation.Color = new ColorRGB(128, 0, 128);
            circleAnnotation.BorderEffect.Effect = BorderEffect.Cloudy;
            circleAnnotation.BorderEffect.Intensity = 2;
            page.Annotations.Add(circleAnnotation);

            LineAnnotation lineAnnotation = new LineAnnotation(20, 180, 100, 120);
            lineAnnotation.Color = new ColorRGB(255, 0, 0);
            lineAnnotation.StartLineStyle = LineEndingStyle.Butt;
            lineAnnotation.EndLineStyle = LineEndingStyle.OpenArrow;
            page.Annotations.Add(lineAnnotation);

            PointF[] pp = { new PointF(120, 120), new PointF(130, 130), new PointF(140, 140) };
            PointsArray points = new PointsArray(pp);
            PolylineAnnotation polylineAnnotation = new PolylineAnnotation(points);
            polylineAnnotation.BorderStyle.Width = 2;
            page.Annotations.Add(polylineAnnotation);

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

            // Cleanup
            pdfDocument.Dispose();

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

```
        Process.Start(processStartInfo);  
    }  
}
```

VIDEO

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

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