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PDF data remover tool in C# with ByteScout Premium Suite

PDF data remover tool in C#

This page explains the steps and algorithm of implementing PDF data remover tool and how to make it work in your application. PDF data remover tool in C# can be applied with ByteScout Premium Suite. ByteScout Premium Suite is the bundle that includes twelve SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording.

This rich and prolific sample source code in C# for ByteScout Premium Suite contains various functions and options you should do calling the API to implement PDF data remover tool. Follow the steps-by-step instructions from the scratch to work and copy and paste code for C# into your editor. Check these C# sample code examples to see if they acknowledge to your needs and requirements for the project.

On our website you may get trial version of ByteScout Premium Suite for free. Source code samples are included to help you with your C# application.

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Source Code Files:

Form1.Designer.cs

```
namespace Sample_UI_Application
{
    partial class Form1
    {
        /// <summary>
        /// Required designer variable.
        /// </summary>
        private System.ComponentModel.IContainer components = null;

        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        /// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>
        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        #region Windows Form Designer generated code

        /// <summary>
        /// Required method for Designer support - do not modify
        /// the contents of this method with the code editor.
        /// </summary>
        private void InitializeComponent()
        {
            this.components = new System.ComponentModel.Container();
            System.ComponentModel.ComponentResourceManager resources = new System.ComponentModel.ComponentResourceManager(typeof(Form1));
            this.pdfViewerControl1 = new Bytescout.PDFViewer.PDFViewerControl();
            this.toolStrip1 = new System.Windows.Forms.ToolStrip();
            this.tsbOpen = new System.Windows.Forms.ToolStripButton();
            this.btnProceed = new System.Windows.Forms.Button();
            this.tbSearchExpression = new System.Windows.Forms.TextBox();
            this.btnFind = new System.Windows.Forms.Button();
            this.groupBox1 = new System.Windows.Forms.GroupBox();
            this.cbRegex = new System.Windows.Forms.CheckBox();
            this.label1 = new System.Windows.Forms.Label();
            this.cbMaskRemovedText = new System.Windows.Forms.CheckBox();
            this.cbMakeUnsearchable = new System.Windows.Forms.CheckBox();
            this.toolTip1 = new System.Windows.Forms.ToolTip(this.components);
            this.toolStrip1.SuspendLayout();
            this.groupBox1.SuspendLayout();
            this.SuspendLayout();
            // 
            // pdfViewerControl1
            // 
            this.pdfViewerControl1.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Forms.AnchorStyles.Left | System.Windows.Forms.AnchorStyles.Right)));
            this.pdfViewerControl1.BackColor = System.Drawing.SystemColors.ButtonShadow;
            this.pdfViewerControl1.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
            this.pdfViewerControl1.CacheVisitedPages = true;
            this.pdfViewerControl1.Location = new System.Drawing.Point(275, 28);
            this.pdfViewerControl1.MouseMode = Bytescout.PDFViewer.MouseMode.Selection;
            this.pdfViewerControl1.Name = "pdfViewerControl1";
            this.pdfViewerControl1.Size = new System.Drawing.Size(725, 450);
            this.pdfViewerControl1.TabIndex = 0;
            this.pdfViewerControl1.Text = "pdfViewerControl1";
            this.pdfViewerControl1.Zoom = 100;
            // 
            // toolStrip1
            // 
            this.toolStrip1.Items.AddRange(new System.Windows.Forms.ToolStripItem[] {
            this.tsbOpen});
            this.toolStrip1.Location = new System.Drawing.Point(0, 0);
            this.toolStrip1.Name = "toolStrip1";
            this.toolStrip1.Size = new System.Drawing.Size(1000, 25);
            this.toolStrip1.TabIndex = 1;
            this.toolStrip1.Text = "toolStrip1";
            // 
            // tsbOpen
            // 
            this.tsbOpen.DisplayStyle = System.Windows.Forms.ToolStripItemDisplayStyle.Image;
            this.tsbOpen.Image = ((System.Drawing.Image)(resources.GetObject("tsbOpen.Image")));
            this.tsbOpen.ImageTransparentColor = System.Drawing.Color.Magenta;
            this.tsbOpen.Name = "tsbOpen";
            this.tsbOpen.Size = new System.Drawing.Size(24, 22);
            this.tsbOpen.Text = "tsbOpen";
            this.tsbOpen.Click += new System.EventHandler(this.toolStripButton1_Click);
            // 
            // btnProceed
            // 
            this.btnProceed.Location = new System.Drawing.Point(750, 10);
            this.btnProceed.Name = "btnProceed";
            this.btnProceed.Size = new System.Drawing.Size(100, 30);
            this.btnProceed.TabIndex = 2;
            this.btnProceed.Text = "Proceed";
            this.btnProceed.UseVisualStyleBackColor = true;
            this.btnProceed.Click += new System.EventHandler(this.button1_Click);
            // 
            // tbSearchExpression
            // 
            this.tbSearchExpression.Location = new System.Drawing.Point(100, 10);
            this.tbSearchExpression.Name = "tbSearchExpression";
            this.tbSearchExpression.Size = new System.Drawing.Size(650, 30);
            this.tbSearchExpression.TabIndex = 3;
            this.tbSearchExpression.Text = "Search expression";
            // 
            // btnFind
            // 
            this.btnFind.Location = new System.Drawing.Point(750, 40);
            this.btnFind.Name = "btnFind";
            this.btnFind.Size = new System.Drawing.Size(100, 30);
            this.btnFind.TabIndex = 4;
            this.btnFind.Text = "Find";
            this.btnFind.UseVisualStyleBackColor = true;
            this.btnFind.Click += new System.EventHandler(this.button2_Click);
            // 
            // groupBox1
            // 
            this.groupBox1.Controls.Add(this.cbRegex);
            this.groupBox1.Controls.Add(this.label1);
            this.groupBox1.Controls.Add(this.cbMaskRemovedText);
            this.groupBox1.Controls.Add(this.cbMakeUnsearchable);
            this.groupBox1.Location = new System.Drawing.Point(100, 40);
            this.groupBox1.Name = "groupBox1";
            this.groupBox1.Size = new System.Drawing.Size(650, 100);
            this.groupBox1.TabIndex = 5;
            this.groupBox1.TabStop = false;
            this.groupBox1.Text = "Search options";
            // 
            // cbRegex
            // 
            this.cbRegex.AutoSize = true;
            this.cbRegex.Location = new System.Drawing.Point(150, 50);
            this.cbRegex.Name = "cbRegex";
            this.cbRegex.Size = new System.Drawing.Size(150, 17);
            this.cbRegex.TabIndex = 0;
            this.cbRegex.Text = "Use regular expression";
            // 
            // label1
            // 
            this.label1.AutoSize = true;
            this.label1.Location = new System.Drawing.Point(150, 70);
            this.label1.Name = "label1";
            this.label1.Size = new System.Drawing.Size(150, 17);
            this.label1.TabIndex = 1;
            this.label1.Text = "Case-sensitive search";
            // 
            // cbMaskRemovedText
            // 
            this.cbMaskRemovedText.AutoSize = true;
            this.cbMaskRemovedText.Location = new System.Drawing.Point(150, 90);
            this.cbMaskRemovedText.Name = "cbMaskRemovedText";
            this.cbMaskRemovedText.Size = new System.Drawing.Size(150, 17);
            this.cbMaskRemovedText.TabIndex = 2;
            this.cbMaskRemovedText.Text = "Replace removed text with mask";
            // 
            // cbMakeUnsearchable
            // 
            this.cbMakeUnsearchable.AutoSize = true;
            this.cbMakeUnsearchable.Location = new System.Drawing.Point(150, 110);
            this.cbMakeUnsearchable.Name = "cbMakeUnsearchable";
            this.cbMakeUnsearchable.Size = new System.Drawing.Size(150, 17);
            this.cbMakeUnsearchable.TabIndex = 3;
            this.cbMakeUnsearchable.Text = "Mark unsearchable";
            // 
            // toolTip1
            // 
            this.toolTip1.SetToolTip(this.pdfViewerControl1, "PDF viewer control");
            this.toolTip1.SetToolTip(this.toolStrip1, "Main menu");
            this.toolTip1.SetToolTip(this.btnProceed, "Proceed button");
            this.toolTip1.SetToolTip(this.tbSearchExpression, "Search expression");
            this.toolTip1.SetToolTip(this.btnFind, "Find button");
            this.toolTip1.SetToolTip(this.groupBox1, "Search options");
            // 
            // toolStrip1_SuspendLayout
            // 
            this.toolStrip1.ResumeLayout(false);
            this.toolStrip1.PerformLayout();
            // 
            // groupBox1_SuspendLayout
            // 
            this.groupBox1.ResumeLayout(false);
            this.groupBox1.PerformLayout();
            // 
            // Form1_SuspendLayout
            // 
            this.ResumeLayout(false);
        }

        #endregion
    }
}
```

```
this.pdfViewerControl1.Name = "pdfViewerControl1";
this.pdfViewerControl1.RegistrationKey = null;
this.pdfViewerControl1.RegistrationName = null;
this.pdfViewerControl1.ShowToolbarFind = false;
this.pdfViewerControl1.Size = new System.Drawing.Size(866, 662);
this.pdfViewerControl1.TabIndex = 0;
this.pdfViewerControl1.PreProcessKey += new Bytescout.PDFViewer.PreProcessKeyEventHandler(this.pdfViewerControl1_PreProcessKey);
this.pdfViewerControl1.CurrentPageIndexChanged += new System.EventHandler(this.pdfViewerControl1_CurrentPageIndexChanged);
this.pdfViewerControl1.SelectionChanged += new Bytescout.PDFViewer.SelectionChangedEventHandler(this.pdfViewerControl1_SelectionChanged);
this.pdfViewerControl1.ValidateContextMenu += new Bytescout.PDFViewer.ValidateContextMenuEventHandler(this.pdfViewerControl1_ValidateContextMenu);
//
// toolStrip1
//
this.toolStrip1.ImageScalingSize = new System.Drawing.Size(20, 20);
this.toolStrip1.Items.AddRange(new System.Windows.Forms.ToolStripItem[] { this.tsbOpen });
this.toolStrip1.Location = new System.Drawing.Point(0, 0);
this.toolStrip1.Name = "toolStrip1";
this.toolStrip1.Size = new System.Drawing.Size(1153, 25);
this.toolStrip1.TabIndex = 1;
this.toolStrip1.Text = "toolStrip1";
//
// tsbOpen
//
this.tsbOpen.ImageTransparentColor = System.Drawing.Color.Magenta;
this.tsbOpen.Name = "tsbOpen";
this.tsbOpen.Size = new System.Drawing.Size(64, 22);
this.tsbOpen.Text = "&Open PDF";
this.tsbOpen.Click += new System.EventHandler(this.tsbOpen_Click);
//
// btnProceed
//
this.btnProceed.Location = new System.Drawing.Point(140, 207);
this.btnProceed.Margin = new System.Windows.Forms.Padding(2);
this.btnProceed.Name = "btnProceed";
this.btnProceed.Size = new System.Drawing.Size(129, 23);
this.btnProceed.TabIndex = 4;
this.btnProceed.Text = "Perform Removal";
this.btnProceed.UseVisualStyleBackColor = true;
this.btnProceed.Click += new System.EventHandler(this.BtnProceed_Click);
//
// tbSearchExpression
//
this.tbSearchExpression.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right)));
this.tbSearchExpression.Location = new System.Drawing.Point(68, 19);
this.tbSearchExpression.Name = "tbSearchExpression";
this.tbSearchExpression.Size = new System.Drawing.Size(183, 20);
this.tbSearchExpression.TabIndex = 0;
//
// btnFind
//
this.btnFind.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right)));
this.btnFind.Location = new System.Drawing.Point(176, 69);
this.btnFind.Name = "btnFind";
this.btnFind.Size = new System.Drawing.Size(75, 23);
this.btnFind.TabIndex = 2;
this.btnFind.Text = "Find All";
this.btnFind.UseVisualStyleBackColor = true;
this.btnFind.Click += new System.EventHandler(this.BtnFindAll_Click);
```

```
//  
// groupBox1  
//  
this.groupBox1.Controls.Add(this.cbRegex);  
this.groupBox1.Controls.Add(this.label1);  
this.groupBox1.Controls.Add(this.tbSearchExpression);  
this.groupBox1.Controls.Add(this.btnFind);  
this.groupBox1.Location = new System.Drawing.Point(12, 28);  
this.groupBox1.Name = "groupBox1";  
this.groupBox1.Size = new System.Drawing.Size(257, 98);  
this.groupBox1.TabIndex = 1;  
this.groupBox1.TabStop = false;  
this.groupBox1.Text = "Find";  
//  
// cbRegex  
//  
this.cbRegex.AutoSize = true;  
this.cbRegex.Location = new System.Drawing.Point(9, 45);  
this.cbRegex.Name = "cbRegex";  
this.cbRegex.Size = new System.Drawing.Size(144, 17);  
this.cbRegex.TabIndex = 1;  
this.cbRegex.Text = "Use Regular Expressions";  
this.cbRegex.UseVisualStyleBackColor = true;  
//  
// label1  
//  
this.label1.AutoSize = true;  
this.label1.Location = new System.Drawing.Point(6, 22);  
this.label1.Name = "label1";  
this.label1.Size = new System.Drawing.Size(56, 13);  
this.label1.TabIndex = 6;  
this.label1.Text = "Find what:";  
//  
// cbMaskRemovedText  
//  
this.cbMaskRemovedText.AutoSize = true;  
this.cbMaskRemovedText.Location = new System.Drawing.Point(12, 151);  
this.cbMaskRemovedText.Name = "cbMaskRemovedText";  
this.cbMaskRemovedText.Size = new System.Drawing.Size(238, 17);  
this.cbMaskRemovedText.TabIndex = 2;  
this.cbMaskRemovedText.Text = "Draw black rectangles over the removed text";  
this.toolTip1.SetToolTip(this.cbMaskRemovedText, "Mask removed text fragment like \"censored\".");  
this.cbMaskRemovedText.UseVisualStyleBackColor = true;  
//  
// cbMakeUnsearchable  
//  
this.cbMakeUnsearchable.AutoSize = true;  
this.cbMakeUnsearchable.Location = new System.Drawing.Point(12, 174);  
this.cbMakeUnsearchable.Name = "cbMakeUnsearchable";  
this.cbMakeUnsearchable.Size = new System.Drawing.Size(221, 17);  
this.cbMakeUnsearchable.TabIndex = 3;  
this.cbMakeUnsearchable.Text = "Make the output document unsearchable";  
this.toolTip1.SetToolTip(this.cbMakeUnsearchable, "Make the output document unsearchable with rendered images.");  
this.cbMakeUnsearchable.UseVisualStyleBackColor = true;  
//  
// Form1  
//  
this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
```

```

        this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
        this.ClientSize = new System.Drawing.Size(1153, 702);
        this.Controls.Add(this.cbMakeUnsearchable);
        this.Controls.Add(this.cbMaskRemovedText);
        this.Controls.Add(this.groupBox1);
        this.Controls.Add(this.btnProceed);
        this.Controls.Add(this.pdfViewerControl1);
        this.Controls.Add(this.toolStrip1);
        this.Icon = ((System.Drawing.Icon)(resources.GetObject("$this.Icon")));
        this.Name = "Form1";
        this.Text = "PDF Data Remover Tool";
        this.toolStrip1.ResumeLayout(false);
        this.toolStrip1.PerformLayout();
        this.groupBox1.ResumeLayout(false);
        this.groupBox1.PerformLayout();
        this.ResumeLayout(false);
        this.PerformLayout();

    }

#endregion

private Bytescout.PDFViewer.PDFViewerControl pdfViewerControl1;
private System.Windows.Forms.ToolStrip toolStrip1;
private System.Windows.Forms.ToolStripButton tsbOpen;
private System.Windows.Forms.Button btnProceed;
private System.Windows.Forms.TextBox tbSearchExpression;
private System.Windows.Forms.Button btnFind;
private System.Windows.Forms.GroupBox groupBox1;
private System.Windows.Forms.CheckBox cbRegex;
private System.Windows.Forms.Label label1;
private System.Windows.Forms.CheckBox cbMaskRemovedText;
private System.Windows.Forms.CheckBox cbMakeUnsearchable;
private System.Windows.Forms.ToolTip toolTip1;
}

}

```

Form1.cs

```

using System;
using System.Collections.Generic;
using System.Diagnostics;
using System.Drawing;
using System.IO;
using System.Linq;
using System.Windows.Forms;
using Bytescout.PDFExtractor;
using Bytescout.PDFViewer;

```

```
namespace Sample_UI_Application
{
    public partial class Form1 : Form
    {
        // Keep selected rectangles for all document pages
        Dictionary<int, RectangleF[]> _foundTextRectangles = new Dictionary<int, RectangleF[]>();

        public Form1()
        {
            InitializeComponent();

            // Tune PDF Viewer control
            pdfViewerControl1.MouseMode = MouseMode.Selection;
            pdfViewerControl1.MultiSelectMode = true;
            pdfViewerControl1.AllowResizeSelectionRectangles = true;
            pdfViewerControl1.ShowResizeHandlesForActiveSelectionOnly = true;
            pdfViewerControl1.ClearSelectionOnClick = false;

            // Load document into PDF viewer
            pdfViewerControl1.InputFile = "sample.pdf";
        }

        private void tsbOpen_Click(object sender, EventArgs e)
        {
            using (OpenFileDialog openFileDialog = new OpenFileDialog())
            {
                openFileDialog.Title = @"Open PDF Document";
                openFileDialog.Filter = @"PDF Files (*.pdf)|*.pdf|All Files|*.*";

                if (openFileDialog.ShowDialog() == DialogResult.OK)
                {
                    this.Text = openFileDialog.FileName;

                    Cursor = Cursors.WaitCursor;

                    try
                    {
                        // Open file in PDF Viewer control
                        pdfViewerControl1.InputFile = openFileDialog.FileName;
                    }
                    catch (Exception exception)
                    {
                        MessageBox.Show(exception.Message);
                    }
                    finally
                    {
                        Cursor = Cursors.Default;
                    }
                }
            }
        }

        private void PdfViewerControl1_SelectionChanged(object sender, SelectionChangeEventArgs e)
        {
            // Store selection changes
            if (e.SelectionChange != SelectionChange.Cleared)
            {
                _foundTextRectangles[pdfViewerControl1.CurrentPageIndex] = pdfViewerControl1.SelectionRectangles;
            }
        }
    }
}
```

```

}

private void PdfViewerControl1_CurrentPageIndexChanged(object sender, EventArgs e)
{
    // Show stored selection on page switching
    if (_foundTextRectangles.ContainsKey(pdfViewerControl1.CurrentPageIndex))
    {
        pdfViewerControl1.SelectionInPoints = _foundTextRectangles[pdfViewerControl1.CurrentPageIndex];
    }
}

private void PdfViewerControl1_ValidateContextMenu(object source, ContextMenuStripEventArgs e)
{
    // Add context menu item to delete active selection
    menu.Items.Insert(0, new ToolStripMenuItem("Delete active selection", null));
    {
        int activeSelectionIndex = pdfViewerControl1.ActiveSelectionIndex;
        if (activeSelectionIndex != -1)
            pdfViewerControl1.RemoveSelectionAt(activeSelectionIndex);
    } { Enabled = pdfViewerControl1.ActiveSelectionIndex != -1 };
}

menu.Items.Insert(1, new ToolStripSeparator());
}

private void PdfViewerControl1_PreProcessKey(object source, Keys keyData, ref bool handled)
{
    // `Delete` key will delete active selection
    if (keyData == Keys.Delete)
    {
        int activeSelectionIndex = pdfViewerControl1.ActiveSelectionIndex;
        if (activeSelectionIndex != -1)
        {
            pdfViewerControl1.RemoveSelectionAt(activeSelectionIndex);
            handled = true;
        }
    }
}

private void BtnFindAll_Click(object sender, EventArgs e)
{
    if (tbSearchExpression.Text.Length > 1)
    {
        // Prepare TextExtractor
        using (TextExtractor textExtractor = new TextExtractor("demo", "demo"))
        {
            // Load document into TextExtractor
            textExtractor.LoadDocumentFromFile(pdfViewerControl1.InputFile);

            // Set options from UI
            textExtractor.RegexSearch = cbRegex.Checked;
            textExtractor.WordMatchingMode = WordMatchingMode.None;

            // Search for text in all pages and store rectangles of found pieces
            for (int pageIndex = 0; pageIndex < textExtractor.GetPageCount(); pageIndex++)
            {
                ISearchResult[] searchResults = textExtractor.FindAll(pageIndex);
                if (searchResults.Length > 0)
                {
                    _foundTextRectangles[pageIndex] = searchResults.Select(searchResult => searchResult.BoundingRect).ToArray();
                }
            }
        }
    }
}

```

```
        }

        // Select fount rectangles in PDF Viewer
        if (_foundTextRectangles.ContainsKey(pdfViewerControl1.CurrentPageIndex))
            pdfViewerControl1.SelectionInPoints = _foundTextRectangles[pdfViewerControl1.CurrentPageIndex];
    }
}
else
{
    MessageBox.Show(@"Try larger search string");
}
}

private void BtnProceed_Click(object sender, EventArgs e)
{
    var outputFile = "output.pdf";
    MemoryStream tempStream = new MemoryStream();

    // Create `Bytescout.PDFExtractor.Remover2` instance
    using (Remover2 remover = new Remover2("demo", "demo"))
    {
        // Load document into remover
        remover.LoadDocumentFromFile(pdfViewerControl1.InputFile);

        // Set options from UI
        remover.MaskRemovedText = cbMaskRemovedText.Checked;
        remover.MakePDFUnsearchable = cbMakeUnsearchable.Checked;

        // Add fragments to remove
        foreach (KeyValuePair<int, RectangleF[]> keyValuePair in _foundTextRectangles)
            remover.AddTextToRemove(keyValuePair.Key, keyValuePair.Value);

        // Perform removal and save result document to file
        remover.PerformRemoval(outputFile);
    }

    // Open output PDF file in default associated application
    Process.Start(outputFile);
}
}
```

PdfDataRemoverTool.sln

```
Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio Version 16
VisualStudioVersion = 16.0.29025.244
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "PdfDataRemoverTool", "PdfDataRemov
```

```
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {0DB74CC3-1DD8-4A58-94FC-CA9A60E2F8A2}.Debug|Any CPU.ActiveCfg = Debug
        {0DB74CC3-1DD8-4A58-94FC-CA9A60E2F8A2}.Debug|Any CPU.Build.0 = Debug|Any
        {0DB74CC3-1DD8-4A58-94FC-CA9A60E2F8A2}.Release|Any CPU.ActiveCfg = Release
        {0DB74CC3-1DD8-4A58-94FC-CA9A60E2F8A2}.Release|Any CPU.Build.0 = Release
    EndGlobalSection
    GlobalSection(SolutionProperties) = preSolution
        HideSolutionNode = FALSE
    EndGlobalSection
    GlobalSection(ExtensibilityGlobals) = postSolution
        SolutionGuid = {6A423F77-480F-401A-9016-BED7CAE557A3}
    EndGlobalSection
EndGlobal
```

Program.cs

```
using System;
using System.Collections.Generic;
using System.Windows.Forms;

namespace Sample_UI_Application
{
    static class Program
    {
        /// <summary>
        /// The main entry point for the application.
        /// </summary>
        [STAThread]
        static void Main()
        {
            Application.EnableVisualStyles();
            Application.SetCompatibleTextRenderingDefault(false);
            Application.Run(new Form1());
        }
    }
}
```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

ON-PREMISE OFFLINE SDK

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