

How to set PDF viewer selection options and use custompaint event with PDF viewer SDK in VB.NET using ByteScout PDF Suite

Learn to set PDF viewer selection options and use custompaint event with PDF viewer SDK in VB.NET

The sample source codes on this page shows how to set PDF viewer selection options and use custompaint event with PDF viewer SDK in VB.NET. ByteScout PDF Suite is the set that includes 6 SDK products to work with PDF from generating rich PDF reports to extracting data from PDF documents and converting them to HTML. This bundle includes PDF (Generator) SDK, PDF Renderer SDK, PDF Extractor SDK, PDF to HTML SDK, PDF Viewer SDK and PDF Generator SDK for Javascript. It can set PDF viewer selection options and use custompaint event with PDF viewer SDK in VB.NET.

These VB.NET code samples for VB.NET guide developers to speed up coding of the application when using ByteScout PDF Suite. Just copy and paste the code into your VB.NET application's code and follow the instructions. Enjoy writing a code with ready-to-use sample VB.NET codes.

ByteScout PDF Suite free trial version is available on our website. VB.NET and other programming languages are supported.

FOR MORE INFORMATION AND FREE TRIAL:

[Download Free Trial SDK \(on-premise version\)](#)

[Read more about ByteScout PDF Suite](#)

[Explore API Documentation](#)

[Get Free Training for ByteScout PDF Suite](#)

[Get Free API key for Web API](#)

[visit www.ByteScout.com](http://www.ByteScout.com)

Source Code Files:

```

Partial Class Form1
    ''' <summary>
    ''' Required designer variable.
    ''' </summary>
    Private components As System.ComponentModel.IContainer = Nothing

    ''' <summary>
    ''' Clean up any resources being used.
    ''' </summary>
    ''' <param name="disposing">true if managed resources should be disposed; otherwise, false;
    Protected Overrides Sub Dispose(disposing As Boolean)
        If disposing AndAlso (components IsNot Nothing) Then
            components.Dispose()
        End If
        MyBase.Dispose(disposing)
    End Sub

    #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 Sub InitializeComponent()
        Me.pdfViewerControl1 = New Bytescout.PDFViewer.PDFViewerControl()
        Me.toolStrip1 = New System.Windows.Forms.ToolStrip()
        Me.tsbOpen = New System.Windows.Forms.ToolStripButton()
        Me.cbLockSelection = New System.Windows.Forms.CheckBox()
        Me.cbAllowResizeSelection = New System.Windows.Forms.CheckBox()
        Me.cbMultiSelectMode = New System.Windows.Forms.CheckBox()
        Me.toolStrip1.SuspendLayout()
        Me.SuspendLayout()
        '
        'pdfViewerControl1
        '
        Me.pdfViewerControl1.AllowResizeSelectionRectangles = True
        Me.pdfViewerControl1.Anchor = CType((((System.Windows.Forms.AnchorStyles.Top Or
            Or System.Windows.Forms.AnchorStyles.Left) _
            Or System.Windows.Forms.AnchorStyles.Right), System.Windows.Forms.AnchorStyle)
        Me.pdfViewerControl1.BackColor = System.Drawing.SystemColors.ButtonShadow
        Me.pdfViewerControl1.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
        Me.pdfViewerControl1.Location = New System.Drawing.Point(12, 97)
        Me.pdfViewerControl1.MouseMode = Bytescout.PDFViewer.MouseMode.Selection
        Me.pdfViewerControl1.MultiSelectMode = True
        Me.pdfViewerControl1.Name = "pdfViewerControl1"
        Me.pdfViewerControl1.RegistrationKey = Nothing
        Me.pdfViewerControl1.RegistrationName = Nothing
        Me.pdfViewerControl1.Size = New System.Drawing.Size(1153, 568)
        Me.pdfViewerControl1.TabIndex = 0
        '
        'toolStrip1
        '
        Me.toolStrip1.Items.AddRange(New System.Windows.Forms.ToolStripItem() {Me.tsbOpen})
        Me.toolStrip1.Location = New System.Drawing.Point(0, 0)
        Me.toolStrip1.Name = "toolStrip1"
    End Sub
    #End Region
End Class

```

```

Me.toolStrip1.Size = New System.Drawing.Size(1177, 25)
Me.toolStrip1.TabIndex = 1
Me.toolStrip1.Text = "toolStrip1"
,
'tsbOpen
,
Me.tsbOpen.ImageTransparentColor = System.Drawing.Color.Magenta
Me.tsbOpen.Name = "tsbOpen"
Me.tsbOpen.Size = New System.Drawing.Size(80, 22)
Me.tsbOpen.Text = "&Open PDF"
,
'cbLockSelection
,
Me.cbLockSelection.AutoSize = True
Me.cbLockSelection.Location = New System.Drawing.Point(12, 74)
Me.cbLockSelection.Name = "cbLockSelection"
Me.cbLockSelection.Size = New System.Drawing.Size(95, 17)
Me.cbLockSelection.TabIndex = 2
Me.cbLockSelection.Text = "Lock selection"
Me.cbLockSelection.UseVisualStyleBackColor = True
,
'cbAllowResizeSelection
,
Me.cbAllowResizeSelection.AutoSize = True
Me.cbAllowResizeSelection.Checked = True
Me.cbAllowResizeSelection.CheckState = System.Windows.Forms.CheckState.Checked
Me.cbAllowResizeSelection.Location = New System.Drawing.Point(12, 51)
Me.cbAllowResizeSelection.Name = "cbAllowResizeSelection"
Me.cbAllowResizeSelection.Size = New System.Drawing.Size(178, 17)
Me.cbAllowResizeSelection.TabIndex = 3
Me.cbAllowResizeSelection.Text = "Allow resize selection rectangles"
Me.cbAllowResizeSelection.UseVisualStyleBackColor = True
,
'cbMultiSelectMode
,
Me.cbMultiSelectMode.AutoSize = True
Me.cbMultiSelectMode.Checked = True
Me.cbMultiSelectMode.CheckState = System.Windows.Forms.CheckState.Checked
Me.cbMultiSelectMode.Location = New System.Drawing.Point(12, 28)
Me.cbMultiSelectMode.Name = "cbMultiSelectMode"
Me.cbMultiSelectMode.Size = New System.Drawing.Size(108, 17)
Me.cbMultiSelectMode.TabIndex = 4
Me.cbMultiSelectMode.Text = "Multi-select mode"
Me.cbMultiSelectMode.UseVisualStyleBackColor = True
,
'Form1
,
Me.AutoScaleDimensions = New System.Drawing.SizeF(6.0!, 13.0!)
Me.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font
Me.ClientSize = New System.Drawing.Size(1177, 677)
Me.Controls.Add(Me.cbMultiSelectMode)
Me.Controls.Add(Me.cbAllowResizeSelection)
Me.Controls.Add(Me.cbLockSelection)
Me.Controls.Add(Me.pdfViewerControl1)
Me.Controls.Add(Me.toolStrip1)
Me.Name = "Form1"
Me.Text = "Form1"
Me.toolStrip1.ResumeLayout(False)
Me.toolStrip1.PerformLayout()
Me.ResumeLayout(False)

```

```

Me.PerformLayout()

End Sub

#End Region

Private WithEvents pdfViewerControl1 As Bytescout.PDFViewer.PDFViewerControl
Private WithEvents toolStrip1 As System.Windows.Forms.ToolStrip
Private WithEvents tsbOpen As System.Windows.Forms.ToolStripButton
Private WithEvents cbLockSelection As System.Windows.Forms.CheckBox
Private WithEvents cbAllowResizeSelection As System.Windows.Forms.CheckBox
Private WithEvents cbMultiSelectMode As System.Windows.Forms.CheckBox
End Class

```

Form1.vb

```

Imports System.Collections.Generic
Imports System.Drawing
Imports System.Windows.Forms
Imports Bytescout.PDFViewer

Public Partial Class Form1
    Inherits Form
    Public Sub New()
        InitializeComponent()
    End Sub

    Protected Overrides Sub OnLoad(e As EventArgs)
        pdfViewerControl1.InputFile = "sample.pdf"

        MyBase.OnLoad(e)
    End Sub

    Private Sub tsbOpen_Click(sender As Object, e As EventArgs) Handles tsbOpen.Click
        Using openFileDialog As New OpenFileDialog()
            openFileDialog.Title = "Open PDF Document"
            openFileDialog.Filter = "PDF Files (*.pdf)|*.pdf|All Files|*.*"

            If openFileDialog.ShowDialog() = DialogResult.OK Then
                Me.Text = openFileDialog.FileName

                Cursor = Cursors.WaitCursor

                Try
                    pdfViewerControl1.InputFile = openFileDialog.FileName
                Catch exception As Exception
                    MessageBox.Show(exception.Message)
                Finally
                    Cursor = Cursors.[Default]
                End Try
            End If
        End Using
    End Sub

```

```

        End Try
    End If
End Using
End Sub

Private Sub cbMultiSelectMode_CheckedChanged(sender As Object, e As EventArgs) Hand
    pdfViewerControl1.MultiSelectMode = cbMultiSelectMode.Checked
End Sub

Private Sub cbAllowResizeSelection_CheckedChanged(sender As Object, e As EventArgs)
    pdfViewerControl1.AllowResizeSelectionRectangles = cbAllowResizeSelection.Checked
End Sub

Private Sub cbLockSelection_CheckedChanged(sender As Object, e As EventArgs) Handle
    pdfViewerControl1.LockSelection = cbLockSelection.Checked
End Sub

    Private _labels As List(Of [String]) = New List(Of String)()

Private Sub pdfViewerControl1_SelectionChanged(ByVal sender As Object, ByVal select
    If pdfViewerControl1.Selection.Length > _labels.Count Then
        For i As Integer = _labels.Count To pdfViewerControl1.Selection.Length - 1
            _labels.Add(New Random().[Next]() .ToString())
        Next
    End If
End Sub

Private Sub pdfViewerControl1_CustomPaint(sender As Object, e As PaintEventArgs) Ha
    ' Paint labels
    For i As Integer = 0 To pdfViewerControl1.Selection.Length - 1
        Dim r As Rectangle = Rectangle.Round(pdfViewerControl1.Selection(i))
        r = pdfViewerControl1.TranslateRectangleToViewport(r)

        Dim textSize As Size = TextRenderer.MeasureText(_labels(i), Font)
        Dim textRectangle As New Rectangle(r.Left, r.Top - textSize.Height - 6, tex

        e.Graphics.FillRectangle(Brushes.DarkBlue, textRectangle)
        TextRenderer.DrawText(e.Graphics, _labels(i), Font, textRectangle, Color.W
    Next
End Sub
End Class

```

Program.vb

```

Imports System.Collections.Generic
Imports System.Windows.Forms

NotInheritable Class Program
    Private Sub New()
    End Sub

```

```
''' <summary>
''' The main entry point for the application.
''' </summary>
<STAThread> _
Private Shared Sub Main()
    Application.EnableVisualStyles()
    Application.SetCompatibleTextRenderingDefault(False)
    Application.Run(New Form1())
End Sub
End Class
```

VIDEO

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

ON-PREMISE OFFLINE SDK

[60 Day Free Trial](#) or [Visit ByteScout PDF Suite Home Page](#)
[Explore ByteScout PDF Suite Documentation](#)
[Explore Samples](#)
[Sign Up for ByteScout PDF Suite Online Training](#)

ON-DEMAND REST WEB API

[Get Your API Key](#)
[Explore Web API Docs](#)
[Explore Web API Samples](#)

[visit www.ByteScout.com](http://www.ByteScout.com)

[visit www.PDF.co](http://www.PDF.co)

www.bytescout.com