

parallel barcode decoding with barcode reader sdk in VB.NET with ByteScout Premium Suite

Build parallel barcode decoding with barcode reader sdk in VB.NET

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Step-by-step instructions on how to do parallel barcode decoding with barcode reader sdk in VB.NET

These sample source codes given below will show you how to handle a complex task, for example, parallel barcode decoding with barcode reader sdk in VB.NET. Parallel barcode decoding with barcode reader sdk in VB.NET 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.

The below SDK samples describe how to quickly make your application do parallel barcode decoding with barcode reader sdk in VB.NET with the help of ByteScout Premium Suite. To use parallel barcode decoding with barcode reader sdk in your VB.NET project or application just copy & paste the code and then run your app! Updated and detailed documentation and tutorials are available along with installed ByteScout Premium Suite if you'd like to learn more about the topic and the details of the API.

If you want to try other samples for VB.NET then free trial version of ByteScout Premium Suite is available on our website.

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Source Code Files:

Module1.vb

```
Imports Bytescout.BarCodeReader
Imports System.Threading

Module Module1

    Const InputFile As String = ".\example.pdf"

    ' Limit to 4 threads in queue.
    ' Set this value to number of your processor cores for max performance.
    Dim ThreadLimiter As Semaphore = New Semaphore(4, 4)

    <MTAThread(> Sub Main()

        Const numberOfRuns As Integer = 10
        Dim doneEvents(numberOfRuns - 1) As ManualResetEvent

        For i As Integer = 0 To numberOfRuns - 1

            ' Wait for the queue
            ThreadLimiter.WaitOne()

            doneEvents(i) = New ManualResetEvent(False)

            ThreadPool.QueueUserWorkItem(New WaitCallback(AddressOf ThreadProc), New Object())

            doneEvents(i).Set()

        Next

        WaitHandle.WaitAll(doneEvents)

        Console.WriteLine("All threads done.")
        Console.WriteLine()

        Console.WriteLine("Press any key to exit...")
        Console.ReadKey()

    End Sub

    Sub ThreadProc(ByVal stateInfo As Object)

        Dim threadIndex As Integer = stateInfo(0)
        Dim waitEvent As ManualResetEvent = stateInfo(1)

        Console.WriteLine("Thread #" & threadIndex & " started...")

        Try

            Dim reader As New Reader()
            reader.RegistrationName = "demo"
            reader.RegistrationKey = "demo"

        Catch ex As Exception

        End Try

    End Sub

End Module
```

```

' Set barcode type to find
reader.BarcodeTypesToFind.Code128 = True

' -----
' NOTE: We can read barcodes from specific page to increase performance .
' For sample please refer to "Decoding barcodes from PDF by pages" program
' -----

' Read barcodes
Dim barcodes As FoundBarcode() = reader.ReadFrom(InputFile)

' Cleanup
reader.Dispose()

Console.WriteLine("Thread #" & threadIndex & " finished with " & barcodes.Length)

Catch ex As Exception

    Console.WriteLine("Thread #" & threadIndex & " failed with exception:\r\n" & ex)

Finally

    ' Signal the thread is finished
    waitEvent.Set()

    ' Release semaphore
    ThreadLimiter.Release()

End Try

End Sub

End Module

```

VIDEO

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

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