

How to batch generate barcodes in cells with VBA with barcode SDK in Microsoft Excel and ByteScout Barcode Suite

How to write a robust code in Microsoft Excel to batch generate barcodes in cells with VBA with barcode SDK with this step-by-step tutorial

Source code documentation samples give simple and easy method to install a needed feature into your application. ByteScout Barcode Suite is the bundle that provides 3 SDK products to generate barcodes (Barcode SDK), read barcodes (Barcode Reader SDK) and read and write spreadsheets (Spreadsheet SDK). It can batch generate barcodes in cells with VBA with barcode SDK in Microsoft Excel.

The following code snippet for ByteScout Barcode Suite works best when you need to quickly batch generate barcodes in cells with VBA with barcode SDK in your Microsoft Excel application. Just copy and paste the code into your Microsoft Excel application's code and follow the instructions. Enjoy writing a code with ready-to-use sample codes in Microsoft Excel.

Our website gives trial version of ByteScout Barcode Suite for free. It also includes documentation and source code samples.

FOR MORE INFORMATION AND FREE TRIAL:

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

[Read more about ByteScout Barcode Suite](#)

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

Source Code Files:

```

' IMPORTANT: This demo uses VBA so if you have it disabled please temporary enable
' by going to Tools - Macro - Security.. and changing the security mode to ""Medium""
' to Ask if you want enable macro or not. Then close and reopen this Excel document

' You should have evaluation version of the ByteScout SDK installed to get it working

' If you are getting error message like
' "File or assembly named Bytescout SDK, or one of its dependencies, was not found"
' then please try the following:
'
' - Close Excel
' - (for Office 2003 only) download and install this hotfix from Microsoft:
' http://www.microsoft.com/downloads/details.aspx?FamilyId=1B0BFB35-C252-43CC-8A2A-6A64
'
' and then try again!
'
' If you have any questions please contact us at http://bytescout.com/support/ or at support@bytescout.com

'=====
'References used
'=====
'Bytescout Barcode SDK
'
' IMPORTANT:
' =====
'1) Add the ActiveX reference in Tools -> References
'2) Loop through the values from the Column A for which barcode has to be generated
'3) Parse the value to Bytescout Barcode Object to generate the barcode using QR Code B
'4) Save the generated Barcode Image
'5) Insert the Barcode Image in the Column B
'6) Repeat the steps 3 to 5 till the last Value in Column A
'
'=====

Option Explicit

' declare function to get temporary folder (where we could save barcode images tempora
Declare Function GetTempPath _
Lib "kernel32" Alias "GetTempPathA" _
(ByVal nBufferLength As Long, _
ByVal lpBuffer As String) As Long

' function to return path to temporary folder
Public Function fncGetTempPath() As String
    Dim PathLen As Long
    Dim WinTempDir As String
    Dim BufferLength As Long
    BufferLength = 260
    WinTempDir = Space(BufferLength)
    PathLen = GetTempPath(BufferLength, WinTempDir)
    If Not PathLen = 0 Then
        fncGetTempPath = Left(WinTempDir, PathLen)
    Else
        fncGetTempPath = CurDir()
    End If
End Function

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    End If
End Function

Sub Barcode_Click()

'Fetch the Worksheet
Dim mySheet As Worksheet
Set mySheet = Worksheets(1) 'Barcode_Data Sheet

'temp path to save the Barcode images
Dim filePath As String
filePath = fncGetTempPath() 'Change the Path But should end with Backslash(

'Prepare the Bytescout Barcode Object
'=====
Dim myBarcode As New Bytescout_BarCode.Barcode

myBarcode.RegistrationName = "demo" 'Change the name for full version
myBarcode.RegistrationKey = "demo" 'Change the key for full version

'Barcode Settings
myBarcode.Symbology = SymbologyType_QRCode ' QR Code barcode, you may change to other

' set barcode image quality resolution
myBarcode.ResolutionX = 300 'Resolution higher than 250 is good for pr
myBarcode.ResolutionY = 300 'Resolution higher than 250 is good for pr

myBarcode.DrawCaption = True 'Showing Barcode Captions in the Barcode In
myBarcode.DrawCaptionFor2DBarcodes = True ' show captions for 2D barcodes like QR Co

' first clean the B column from old images (if any)
Dim Sh As Shape
With mySheet
    For Each Sh In .Shapes
        If Not Application.Intersect(Sh.TopLeftCell, .Range("B1:B50")) Is Nothing Then
            If Sh.Type = msoPicture Then Sh.Delete
        End If
    Next Sh
End With

' now generate new barcodes and insert into cells in the column B
' Repeat the steps for each row from 2 to 6
Dim myVal As Integer

For myVal = 2 To 6 'change the code to all rows with values
    'Parse the Value from the Column A to Bytescout Barcode Object
    myBarcode.Value = mySheet.Cells(myVal, 1).Text
    'Fit the barcode into 80X30 mm rectangle
    myBarcode.FitInto_3 80, 30, 4 '4 refers to units of measurement as millir
    'Save the barcode image to a file in temporary folder
    myBarcode.SaveImage filePath & "myBarcode" & myVal & ".png"

    'Insert the Barcode image to the Column B and resize them to fit the cell.
    '=====
    With mySheet.Pictures.Insert(filePath & "myBarcode" & myVal & ".png")
        .ShapeRange.LockAspectRatio = True ' lock aspect ratio
        .Left = mySheet.Cells(myVal, 2).Left + 1 ' set left
        .Top = mySheet.Cells(myVal, 2).Top + 1 ' set right
        .PrintObject = True ' allow printing this object
    End With
Next myVal
End Sub

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        .Placement = xlMove ' set placement mode to move but do not resize with the cell
        .ShapeRange.ScaleHeight 1, True ' set height scale to 1 (no scale)
        .ShapeRange.ScaleWidth 1, True ' set width scale to 1 (no scale)
    End With

Next myVal ' move to next cell in the column

' Release the Barcode Object.
Set myBarcode = Nothing

End Sub

```

Reference Error - README.txt

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

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