

Forum: [Hack Forums](#)

Thread: [\[VB.NET\] Auto Crop Image](#)

codepoet - May 1, 2010, 6:43 pm

originally posted on dotnet-snippets.com

Description: you can pass an image to and return a dynamically cropped version of the image without the excess space.

Code Function Crop(ByVal p As Image) As Image

Dim x, y As Int32 'for use of X,Y Coordinates of pixels

Dim b As New Bitmap(p) 'image needed to crop

Dim c As New Color() 'pixel color for use of identifying if background

Dim intLeft As Int32 'furthest left X coordinate

Dim intRight As Int32 'furthest right X coordinate

Dim intBottom As Int32 'furthest to the bottom Y coordinate

Dim intTop As Int32 'furthest to top Y coordinate

y = 0

Do Until y = b.Height 'loop through pixels on Y axis until end of image height

x = 0

Do Until x = b.Width 'loop through pixels on X axis until end of image width

c = b.GetPixel(x, y) 'Get the color of the pixel

'First we want to establish if the pixel is White (the color of our background)

If c.R <> 0 And c.G <> 0 And c.B <> 0 Then

'We'll also want to ignore colors close to the background color

'I did this because some of the images I had were scanned, and

'the paper color didn't always scan at a perfect white

If c.R < 250 Or c.G < 250 Or c.B < 250 Then

'Determine if pixel is further left than the value we already have

If intLeft <= 0 And intLeft < x Then

intLeft = x

End If

'Determine if pixel is further to the top than the value we already have

If intTop <= 0 And intTop < y Then

intTop = y

End If

'Determine if pixel is further right than the value we already have

If intRight <= b.Width And intRight < x Then

intRight = x

End If

'Determine if pixel is further to the bottom than the value we already have

If intBottom <= b.Height And intBottom < y Then

intBottom = y

End If

End If

End If

x += 1

Loop

y += 1

Loop

```
Dim intNewWidth As Int32 = (intRight) 'Establish width of new cropped image
Dim intNewHeight As Int32 = (intBottom) 'Establish height of new cropped image
'Create new image with a 10 pixel buffer, so image won't be too close to edge
Dim imgCropped As New Bitmap(intNewWidth + 10, intNewHeight + 10)
'Create a Graphics object for drawing to the cropped image
Dim objGraphics As Graphics = Graphics.FromImage(imgCropped)
'set the background color to white (you can choose what you like
objGraphics.Clear(System.Drawing.Color.White)
'Determine where you'd like to start drawing from the Top (Y axis)
Dim intStartTop As Int32 = 5 'intTop / 40 + 5
'Determine where you'd like to start drawing from the Left (X axis)
Dim intStartLeft As Int32 = 5 'intLeft / 40 + 5
'you want to start drawing the image at the point where an actual image exists,
'not just blank space. I negated the furthest top and left pixel points and
'divided them by 40 and added 5 (half of the 10 pixel buffer, so 5x on each side)
'The reason I divided was because the image would be too far to the left or top
'sometimes and 40 just happened to work the best for the images I was cropping.
'I believe this has to do with the horizontal an vertical resolution values,
'bit depth, and image format
'There must be room for improvement or a way to do this better, but it worked for
'what I needed.
'Draw the original image to your new cropped sized image
objGraphics.DrawImage(b, intStartLeft, intStartTop)
b.Dispose()
objGraphics.Dispose()
'return the Cropped image to the caller
Return imgCropped
End Function
```

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6e756c6c - May 1, 2010, 6:54 pm

Managed image processing, ouch. Looks good though but just a heads up for anyone who uses this
- I don't believe it was intended to quickly process multiple images.

codepoet - May 1, 2010, 7:01 pm

its really not...but in the project i used it in, it was allot simple....

julian - May 1, 2010, 7:55 pm

It's originally from pscode.com, it was a pretty for a pretty specific task and isn't very versatile (it only works if you want to trim a white edge. You could speed it up considerably. The code is pretty weird.

codepoet - May 1, 2010, 8:21 pm

(May 1, 2010 07:55 PM)julian Wrote: [CITE](#) It's originally from pscode.com, it was a pretty for a pretty specific task and isn't very versatile (it only works if you want to trim a white edge. You could speed it up considerably. The code is pretty weird.

NO!! ? it was originally posted on my website the leached!!! get the Right

DexHacker - May 1, 2010, 8:29 pm

crow407 is right, it was on his web site first, later it was leached and posted on pscode.com

julian - May 2, 2010, 7:56 am

I was just googling to see the scenario where it was used and commented in case any one else was

wondering. The project was posted on pscod in 2003, with the comment " I needed to do this at work, where we had logos in our information system." You have your age down as 18 on the forums. So you wrote it for work, aged 11. Whatever, I really don't care.

rodz - May 2, 2010, 8:01 am

Well, you should at least give a credit or maybe a link. I don't really like copy and paste people, no offence through

codepoet - May 2, 2010, 5:17 pm

(May 2, 2010 07:56 AM)julian Wrote: [CITE](#) I was just googling to see the scenario where it was used and commented in case any one else was wondering. The project was posted on pscod in 2003, with the comment " I needed to do this at work, where we had logos in our information system." You have your age down as 18 on the forums. So you wrote it for work, aged 11. Whatever, I really don't care.

hahahaha....what makes you think i give my right age at a HACKING forum? the more info you give the less safe you become!