

Forum:[Hack Forums](#)

Thread: [\[TUT\]getting reCaptcha image in picturebox\[TUT\]](#)

jangedoo - June 7, 2011, 5:11 am

here is a tutorial for getting reCaptcha image into a picture box.

Ok lets get to the point of getting reCaptcha image.

1. first download the page using httpwebrequest
2. then parse the reCaptcha url
3. goto that challenge url and you'll find the actual "key" for that image
4. parse that key and goto http://www.google.com/recaptcha/api/image?c=PARSED_KEY to get the image

```
Code Dim request As HttpWebRequest = HttpWebRequest.Create("www.pagewithcaptcha.com")
```

```
Dim response as HttpWebResponse
```

```
response = CType(request.GetResponse, HttpWebResponse)
```

```
Dim webstream As Stream = response.GetResponseStream
```

```
Dim streamreader As New StreamReader(webstream, Encoding.UTF8)
```

```
Dim html As String = streamreader.ReadToEnd
```

'Now we have the source of the page lets parse and get the challenge url

```
Dim web As IHTMLDocument2 = New HTMLDocumentClass()
```

```
web.write(html)
```

```
web.close()
```

```
Dim allElements As IHTMLElementCollection = web.body.all
```

```
Dim allInputs As IHTMLElementCollection = allElements.tags("script")
```

```
Dim element As IHTMLElement
```

```
Dim challengeUrl As String = ""
```

```
Dim tagName As String = ""
```

```
For Each element In allScript
```

```
    tagName = element.getAttribute("src")
```

```
    If (Not tagName = Nothing) Then
```

```
        If (tagName.Contains("http://api.recaptcha.net/")) Then
```

```
            challengeUrl = tagName
```

```
        Exit For
```

```
    End If
```

```
End If
```

```
Next
```

'Now we have the challenge url in challengeUrl variable, so lets "GET" it

```
Dim request1 As HttpWebRequest = HttpWebRequest.Create(challengeUrl)
```

```
Dim response1 as HttpWebResponse
```

```
response1 = CType(request1.GetResponse, HttpResponseMessage)
Dim webstream As Stream = response1.GetResponseStream
Dim streamreader As New StreamReader(webstream, Encoding.UTF8)
```

```
Dim temp As String = streamreader.ReadToEnd
```

'Now parse the index or whatever of that image, it is the thing that we are looking after

```
Dim startPos As Integer = temp.IndexOf("challenge : ")
startPos += 13
temp = temp.Substring(startPos)
Dim endPos As Integer = temp.IndexOf(" ")
```

```
temp = (temp.Substring(0, endPos))
```

'Now the temp variable contains the key for the image.. You can download the image from

"http://www.google.com/recaptcha/api/image?c=" & temp

This code is fragmented so may not work by just copying and pasting...

I wrote this while making Pligg submitter bot which isn't complete. You can help me if you can [here](#)

The-One - June 7, 2011, 6:56 am

Why not just fetch the url? And load it in a picturebox?

```
Code Dim str As String = New
StreamReader(HttpWebRequest.Create("http://captchas.net/registration/").GetResponse.GetResponseStream).ReadToEnd
PictureBox1.Image = Image.FromStream(HttpWebRequest.Create((GetBetween(str,
"id=""captchas.net"" src=""", "" width=""240"""))).Replace("amp;",
Nothing)).GetResponse.GetResponseStream())
Sorry if I misunderstood you.
```

idb. - June 7, 2011, 7:06 am

(Jun 7, 2011 05:11 AM)jangedoo Wrote: [CITE](#) here is a tutorial for getting reCaptcha image into a picture box.

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web.write(html)  
web.close()
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Dim allElements As IHTMLCollection = web.body.all  
Dim allInputs As IHTMLCollection = allElements.tags("script")  
Dim element As IHTMLCollection
```

```
Dim challengeUrl As String = ""
```

```
Dim tagName As String = ""  
For Each element In allScript  
    tagName = element.getAttribute("src")  
    If (Not tagName = Nothing) Then  
        If (tagName.Contains("http://api.recaptcha.net/")) Then  
            challengeUrl = tagName  
        Exit For  
    End If  
End If  
Next
```

'Now we have the challenge url in challengeUrl variable, so lets "GET" it

```
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```
"http://www.google.com/recaptcha/api/image?c=" & temp  
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```

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What's with all the extra nonsense? This is like a mix between using WebRequests and the WebBrowser component. Why? Why not just manipulate the Html directly with strings. Why convert it to an IHTMLDocument2? All that is doing is resulting in more work/code. If you have a good explanation as to why you are doing this, that's fine... I'm just curious as to why you'd want to make more work for yourself.

