

Re: buggy activity in compact .net app

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.compactframework/2004-02/0164.htm>

From: Serg Kuryata [MS] (*sergeyk_at_online.microsoft.com*)

Date: 02/03/04

Date: Tue, 03 Feb 2004 00:36:59 GMT

Hello Sarah,

Please could you answer a few questions so we could to narrow the problem down?

When you first time load images, can you open all images from the list?
Does the problem occur only when you are trying to load the images second time.

If an exception is thrown during the first loop, then please make sure that the image that failed to load can be opened on the device at all (i.e. can be opened from File Explorer by taping on the image). I'm asking to do this in order to make sure that format of the image is supported by the OS. If it is not, then the .NET Compact Framework will not be able to load it.

Also looking at your ShowImage() method, I noticed that the bitmap that is assigned to the picturebox is never disposed. This will result in a situation, when the device does not have enough memory to load another image. Please try to change you code as the following:

```
'Set the new bitmap to be the Image of the picture box:  
If Not (Me.picBox1.Image Is Nothing) Then // add this code  
    Me.picBox1.Image.Dispose() // add this code  
End If // add this code  
Me.picBox1.Image = myBitMap
```

I hope this helps.

Best regards,
Sergiy.

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| From: Sarah Smith <nixdk@yahoo.dk>
| Subject: Re: buggy activity in compact .net app
| Date: Mon, 02 Feb 2004 20:12:53 +0100
| Message-ID: <io7t10tgfvbj7r6mg8s7nq7fght72kmss@4ax.com>

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| References: <45kn1056p48ko3osfjnj79bsjks8r6n4e1@4ax.com>
<u5hEmDD6DHA.3476@tk2msftngp13.phx.gbl>
<#Yi0uSD6DHA.2064@TK2MSFTNGP11.phx.gbl>
<n49q101d24q4kfgmocpledcna2ggvm2sst@4ax.com>
<OTyhWIO6DHA.3304@tk2msftngp13.phx.gbl>
<hurs101ab5n9h49l0pgcrodhcm5t7eh9nk@4ax.com>
<g3vs10hirnmegjbskeqm8j0au7ihvqnga9@4ax.com>
<OQKd7Ob6DHA.2644@TK2MSFTNGP11.phx.gbl>
| X-Newsreader: Forte Agent 1.91/32.564
| MIME-Version: 1.0
| Content-Type: text/plain; charset=us-ascii
| Content-Transfer-Encoding: 7bit
| Newsgroups: microsoft.public.dotnet.framework.compactframework
| NNTP-Posting-Host: 0x50c48e18.adsl-fixed.tele.dk 80.196.142.24
| Lines: 1
| Path:
cpmsftngxa07.phx.gbl!cpmsftngxa06.phx.gbl!TK2MSFTNGP08.phx.gbl!TK2MSFTNGP11.
phx.gbl
| Xref: cpmsftngxa07.phx.gbl
microsoft.public.dotnet.framework.compactframework:44644
| X-Tomcat-NG: microsoft.public.dotnet.framework.compactframework
|
|
| The card is manufactured in taiwan by Apacer. (32mb).
|
| ... I've just tried moving the images to the My Documents\My
| Pictures folder ... with the same result.
|
| "Error: ArgumentException in MakeBitmap()"
|
| ... so it's not the card :-(
| S.S
|
|
| On Mon, 2 Feb 2004 09:41:03 -0800, "Alex Feinman [MVP]"
| <public_news@alexfeinman.com> wrote:
|
| >Is it a SanDisk SD card? Can you try doing this on another device?
| >
| >"Sarah Smith" <nixdk@yahoo.dk> wrote in message
| >news:g3vs10hirnmegjbskeqm8j0au7ihvqnga9@4ax.com...
| >>
| >> Hi,
| >>
| >> It still doesn't work correctly.
| >>
| >>
| >> This is all of the code from the 2 routines. The first one:
| >> Showimage() is called either from a navigation button, or from a Timer
| >> event (for a slide show).
| >>
| >>

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```
|>> The variables: strRoot and strFileNames() are populated in button or
|>> form events:
|>>
|>> The error message is always "Bad Argument Exception" when trying to
|>> create a new bitmap in the MakeBitmap() function.
|>>
|>> The app can loop through about 40 images, but on the second run, it
|>> raises the exception about have way through.
|>>
|>> FYI: the images are stored on an SD Card, are JPG format, and the
|>> device and os is a Dell Axim X5 with WM 2003.
|>>
|>> the error does _not_ occur in the emulator.
|>>
|>> S.S
|>>
|>>
|>> Private Sub ShowImage()
|>>
|>> On Error GoTo Trap
|>> 'Picture box width: 224, hieght: 232
|>> Me.picBox1.Width = 224
|>> Me.picBox1.Height = 232
|>> Me.picBox1.SizeMode = PictureBoxSizeMode.StretchImage
|>>
|>>
|>> Me.Text = strFileNames(nCount).ToString
|>>
|>> Dim strFullPath As String
|>> strFullPath = strRoot & "\" & strFileNames(nCount)
|>>
|>> If strFullPath = "" Then
|>> MsgBox("Error: path string empty!")
|>> Return
|>> End If
|>>
|>> Dim myBitMap As Bitmap
|>>
|>> If Not myBitMap Is Nothing Then
|>> myBitMap.Dispose()
|>> End If
|>>
|>> myBitMap = MakeBitMap(strFullPath)
|>>
|>> If myBitMap Is Nothing Then
|>> MsgBox("Error with: " & strFileNames(nCount))
|>> Return
|>> End If
|>>
|>> If myBitMap.Width < Me.picBox1.Width Then
|>>
```

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```
|>> Else
|>> 'The aspect ratio of an image is the width / hieght
|>> 'get the aspect ratio of the image:
|>> Dim aspInt As Double
|>> aspInt = myBitmap.Width / myBitmap.Height
|>> Me.picBox1.Height = CInt(Me.picBox1.Width / aspInt)
|>> Me.picBox1.SizeMode = PictureBoxSizeMode.StretchImage
|>>
|>> End If
|>>
|>> 'Set the new bitmap to be the Image of the picture box:
|>> Me.picBox1.Image = myBitmap
|>>
|>> Exit Sub
|>>
|>> Trap:
|>> MsgBox("Error: " & Err.Description & " ..in ShowImage()")
|>> 'Resume Next
|>> Timer1.Enabled = False
|>>
|>> End Sub
|>>
|>>
|>> Private Function MakeBitmap(ByVal strPath As String) As Bitmap
|>>
|>> Try
|>> Dim MyBitmap As Bitmap
|>> If Not MyBitmap Is Nothing Then
|>> MyBitmap.Dispose()
|>> End If
|>>
|>> MyBitmap = New Bitmap(strPath) '<----error here
|>> Return MyBitmap
|>>
|>> Catch ex As Exception
|>> MsgBox("Error: " & ex.Message & " in MakeBitmap()")
|>> Return Nothing
|>> End Try
|>>
|>> End Function
|>>
|>>
|>>
|>> On Mon, 02 Feb 2004 16:43:34 +0100, Sarah Smith <nixdk@yahoo.dk>
|>> wrote:
|>>
|>>>
|>>> Thank you both. I will try the steps you mentioned.
|>>>
|>>> I'll post back the results if you're interested.
|>>>
```

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```
|>>> Thanks a lot.  
|>>>  
|>>> S.S  
|>>>  
|>>> On Sun, 1 Feb 2004 09:32:17 -0800, "Alex Feinman [MVP]"  
|>>> <public_news@alexfeinman.com> wrote:  
|>>>  
|>>>> Sara,  
|>>>>  
|>>>> Why don't you at least try the suggested steps? As it happens, nearly  
|>>>> 100%  
|>>>> of developers think their code is ok and there is something wrong  
|>>>> with  
|>>>> OS/Library/Framework. After dust settles, only 99% of them have  
|>>>> proven  
|>>>> themselves right.  
|>>>>  
|>>>> That said, there *are* bugs in CF, but to confirm it someone will  
|>>>> need  
|>>>> to  
|>>>> see repro code  
|>>>>  
|>>>> "Sarah Smith" <nixdk@yahoo.dk> wrote in message  
|>>>> news:n49q101d24q4kfgmocpledca2ggvm2sst@4ax.com...  
|>>>>  
|>>>>> Hi Alex,  
|>>>>>  
|>>>>> thanks for your suggestions.  
|>>>>>  
|>>>>> I think the code is OK, and the error is a bug in the CF.  
|>>>>>  
|>>>>> I don't need to check the path (as you indicate below), because the  
|>>>>> path has been verified earlier.  
|>>>>>  
|>>>>> As for using .Dispose() on the bitmap object ... I don't think  
|>>>>> that is  
|>>>>> usefull either because the bitmap is created inside a routine.  
|>>>>>  
|>>>>> Like this:  
|>>>>>  
|>>>>> Dim strFullPath As String  
|>>>>> strFullPath = strRoot & "\" & strFileNames(nCount)  
|>>>>>  
|>>>>> If strFullPath = "" Then  
|>>>>> MsgBox("Error: path string empty!")  
|>>>>> Return  
|>>>>> End If  
|>>>>>  
|>>>>> Dim myBitMap As Bitmap  
|>>>>> myBitMap = MakeBitMap(strFullPath)  
|>>>>>
```

