

Forum:[Hack Forums](#)

Thread: [bandwidth monitor](#)

elace31206 - August 28, 2012, 9:02 pm

hi, can i request bandwidth monitor in vb.net

Excore - August 28, 2012, 9:05 pm

<http://www.youtube.com/watch?v=m03V8b2EXa0>

memesbro - August 28, 2012, 9:05 pm

Hi, can I request you to check out a website called google on the internet? It is capable of returning exactly what you need.

<https://encrypted.google.com/search?hl=en&q=bandwidth%20vb.net>

WOAH, that's a lot of results!!

Milhouse - August 28, 2012, 9:08 pm

Now HOW TO CODE IT?

For this tutorial I created a module that we will use to get the current download and upload amount.

First I have declared 2 public variables DLoad and ULoad. Both are declared as Long because they will hold large numbers. DLoad will hold the amount of downloaded stuff in bytes until now and ULoad the upload.

Then we have a function called GetLoadInfo() which will fill the variables above. In this function first we see 2 variables and this line:

```
Code Shell "cmd.exe /C netstat -e> " & Chr(34) & App.Path & "\Load.tmp" & Chr(34), vbHide
```

This means that netstat -e will be called and the results will be stored in the file Load.tmp in the application path.

After this line we have some other code:

```
Code On Error GoTo PassRead
```

```
Open App.Path & "\Load.tmp" For Input As #1
```

```
Do Until EOF(1)
```

```
    Input #1, TempLoadStr
```

```
    LoadStr = LoadStr & TempLoadStr
```

```
Loop
```

```
Close #1
```

The 2 variables will be used to read what is stored in the netstat's results. After this, the results will get split. This is done in the next lines:

```
Code SString = Split(LoadStr, "Bytes")
```

```
DLoad = Int(Mid(SString(1), 14, 17))
```

Uload = Int(Mid(SString(1), 31, 16)) We noticed the On Error GoTo PassRead line above. That will be used to pass the code execution if netstat hasn't shown any results.

Now the whole module looks like this:

```
Code Public ULoad As Long  
Public DLoad As Long
```

```
Public Sub GetLoadInfo()  
Dim TempLoadStr As String  
Dim LoadStr As String
```

```
Shell "cmd.exe /C netstat -e> " & Chr(34) & App.Path & "\Load.tmp" & Chr(34), vbHide
```

```
On Error GoTo PassRead  
Open App.Path & "\Load.tmp" For Input As #1
```

```
Do Until EOF(1)  
    Input #1, TempLoadStr  
    LoadStr = LoadStr & TempLoadStr  
Loop
```

```
Close #1
```

```
SString = Split(LoadStr, "Bytes")
```

```
DLoad = Int(Mid(SString(1), 14, 17))  
Uload = Int(Mid(SString(1), 31, 16))
```

```
PassRead:
```

```
End Sub
```

Now we can create the form...

In the form first we declare 3 variables, LastULoad, LastDLoad, SecondsPassed all of them as Long, then we create 2 labels, lblDC and lblUC (label Download Container and label Upload Container), we add a timer, we set the timer's interval to 1000 milliseconds and add this code to the timer:

```
Code Private Sub Timer1_Timer()  
Call GetLoadInfo
```

```
If SecondsPassed > 3 Then  
    lblDC.Caption = Int((DLoad - LastDLoad) / 1000) * 8 & "kb/s"  
    lblUC.Caption = Int((ULoad - LastULoad) / 1000) * 8 & "kb/s"  
End If
```

```
SecondsPassed = SecondsPassed + 1
```

```
LastDLoad = DLoad  
LastULoad = Uload
```

End Sub As we see, first we call the function from the module, then, we see a variable that needs to be 3 if we want to show the results. The reason is that we will need about 3 seconds to calibrate

with the netstat's results. If we wouldn't do that, at first we would get extreme bandwidth results so we wait 3 seconds for calibration. Then we fill the labels. We see that the results are being multiplied and divided by some numbers. Dividing by 1000 means we don't want to show the results in bytes, but in kilo bytes and multiplying by 8 means we want to see the results in bits, not bytes.

After this code we see that the LastDLoad and LastULoad variables are being filled with new values, getting ready for the next calculation.

This is all... If anything doesn't work, download the attachment and find the errors. In the attachment the Bandwidth Meter is much advanced, it has graphs included to show the download and upload rates.

Source: <http://forum.codecall.net/topic/42750-how-to-create-a-bandwidth-monitor/>

memesbro - August 28, 2012, 9:09 pm

Dude above me, change your source tags to code.

Code Not [source][source]

EDIT : There ya go. Thanks for completely spoon feeding this guy. I'm sure he won't even say thanks lol.

Milhouse - August 28, 2012, 9:10 pm

I did its been a while since I have been on forums I forgot its code not source.

elace31206 - August 28, 2012, 9:16 pm

thanks for the response, does this have graph?

Fake. - August 28, 2012, 9:36 pm

(Aug 28, 2012 09:08 PM)Milhouse Wrote: [\[CITE\]](#) First I have declared 2 public variables DLoad and ULoad. Both are declared as Long because they will hold large numbers. DLoad will hold the amount of downloaded stuff in bytes until now and ULoad the upload.

Congrats; on most systems, you'll get an overflow error just after 2.1GB of downloading or uploading. Unless you're handling errors.

memesbro - August 28, 2012, 11:04 pm

(Aug 28, 2012 09:16 PM)elace31206 Wrote: [\[CITE\]](#) thanks for the response, does this have graph? Hah..dude you can't be serious? Do even understand programming? Like at all?

I usually don't bag on newbies because we all were all there at one point, but this is quite serious. I gave you a google search with like 3 pages of full source results!