

Forum:[Hack Forums](#)

Thread: [Using filesystemWatcher](#)

Prototype7434 - March 13, 2015, 8:21 am

Hello Guys...

Code 'class Variables....

```
Dim usb As String = My.Computer.FileSystem.SpecialDirectories.ToString
Dim Alldrives() As String = IO.Directory.GetLogicalDrives
```

```
Private Sub FileSystemWatcher1_Changed(sender As Object, e As FileSystemEventArgs)
Handles fsw.Deleted
```

```
    Dim deletedfile As String
```

```
    For Each Me.usb In Alldrives
        Try
```

```
            fsw.Path = usb
            deletedfile = "File-" & e.FullPath.ToString
            MessageBox.Show(deletedfile)
```

```
        Catch ex As Exception
```

```
    End Try
Next
```

I was writing some code to watch all the drives in a system..if any of the file is deleted it pop a message and show deleted file path..

The code compiles just fine.

But there is some problem with the code ..it not giving expected output.

Please somebody help me with editing the code so that it works perfectly...

A little explanation will also be very helpful..

Thanks in Advance.

CodeAssassin - March 13, 2015, 10:06 am

(Mar 13, 2015 08:21 AM)Prototype7434 Wrote: [\[CITE\]](#) Hello Guys...

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I was writing some code to watch all the drives in a system..if any of the file is deleted it pop a message and show deleted file path..

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A little explanation will also be very helpful..

Thanks in Advance.

Hello never having used this i thought i would give it a look..

All the info you need is [here](#)

A quick example is to drag a filesystemwatcher onto your form.

Then set the path to watch, thats pretty much it tbh.

Code...in form1

```
Code Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)  
Handles MyBase.Load  
    FileSystemWatcher1.Path = Environment.GetFolderPath(Environment.SpecialFolder.Desktop)  
End Sub
```

```
Private Sub FileSystemWatcher1_Changed(ByVal sender As Object, ByVal e As  
System.IO.FileSystemEventArgs) Handles FileSystemWatcher1.Changed  
    Debug.Print(String.Format("Name: {0}, Filepath: {1}", e.Name, e.FullPath))  
End Sub
```

```
Private Sub FileSystemWatcher1_Created(ByVal sender As Object, ByVal e As  
System.IO.FileSystemEventArgs) Handles FileSystemWatcher1.Created  
    Debug.Print(String.Format("Name: {0}, Filepath: {1}", e.Name, e.FullPath))  
End Sub
```

```
Private Sub FileSystemWatcher1_Deleted(ByVal sender As Object, ByVal e As  
System.IO.FileSystemEventArgs) Handles FileSystemWatcher1.Deleted  
    Debug.Print(String.Format("Name: {0}, Filepath: {1}", e.Name, e.FullPath))  
End Sub
```

```
Private Sub FileSystemWatcher1_Renamed(ByVal sender As Object, ByVal e As  
System.IO.RenamedEventArgs) Handles FileSystemWatcher1.Renamed  
    Debug.Print(String.Format("Name: {0}, Filepath: {1}", e.Name, e.FullPath))  
End Sub
```

I obviously missed the question, I have read on multiple forums you MUST use a separate

filewatcher for each drive, but you can hook up to the same event handlers ie :

```
Code Private Sub FileSystemWatcher1_Renamed(ByVal sender As Object, ByVal e As System.IO.RenamedEventArgs) Handles FileSystemWatcher1.Renamed, FileSystemWatcher2.Renamed, FileSystemWatcher3.Renamed
```

Prototype7434 - March 13, 2015, 10:45 am

(Mar 13, 2015 10:06 AM)sweetysuckscock Wrote: [\[CITE\]](#) Code Private Sub FileSystemWatcher1_Renamed(ByVal sender As Object, ByVal e As System.IO.RenamedEventArgs) Handles FileSystemWatcher1.Renamed, FileSystemWatcher2.Renamed, FileSystemWatcher3.Renamed

Can i use filesystemwatcher with removable drives...

if so could u suggest me how to do that..

if not suggest me the best way to monitor all the drives in a system ,including removable drives at the same time..

Thank You

CodeAssassin - March 13, 2015, 10:51 am

(Mar 13, 2015 10:45 AM)Prototype7434 Wrote: [\[CITE\]](#) Can i use filesystemwatcher with removable drives...

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Thank You

Yea I'm pretty sure you could, scan drives, pragmatically define new filesystemwatchers with addhandlers, i'll look into more tho as like i said never used a filesystemwatcher before so am looking it all up now :)

The GetDrives() method will pick up any thumb drives etc.

Seeing as you still seem lost (multi threads) and i also wanted to check out the filesystemwather class I made this....

in case I have to remind you, you should drag a textbox onto an empty form....

Code Imports System.IO

Public Class Form1

Dim Watchers() As FileSystemWatcher

Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

GetDrives()

End Sub

Private Sub GetDrives()

Dim Count As Integer = 0

Dim drives() As String = Environment.GetLogicalDrives

ReDim Watchers(drives.Length)

For i = 0 To drives.Length - 1

Dim watcher As New FileSystemWatcher(drives(i))

```

With watcher
.Path = drives(i)
AddHandler .Changed, AddressOf FileSysWatcher_Changed
AddHandler .Created, AddressOf FileSysWatcher_Created
AddHandler .Deleted, AddressOf FileSysWatcher_Deleted
AddHandler .Disposed, AddressOf FileSysWatcher_Disposed
AddHandler .Error, AddressOf FileSysWatcher_Error
AddHandler .Renamed, AddressOf FileSysWatcher_Renamed
End With
Watchers(i) = watcher
watcher.IncludeSubdirectories = True
watcher.EnableRaisingEvents = True
Next
TextBox1.AppendText("added all locical drives")
End Sub

```

```

Private Sub FileSysWatcher_Changed(ByVal sender As Object, ByVal e As
System.IO.FileSystemEventArgs)
    Debug.Print("Name: {0}, Path: {1}", e.Name, e.FullPath)
    TextBox1.Invoke(New MethodInvoker(Sub() TextBox1.AppendText(vbNewLine &
String.Format("Name: {0}, Path: {1}", e.Name, e.FullPath))))
End Sub

```

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Private Sub FileSysWatcher_Created(ByVal sender As Object, ByVal e As
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String.Format("Name: {0}, Path: {1}", e.Name, e.FullPath))))
End Sub

```

```

Private Sub FileSysWatcher_Disposed(ByVal sender As Object, ByVal e As System.EventArgs)
    Debug.Print(e.ToString)
End Sub

```

```

Private Sub FileSysWatcher_Error(ByVal sender As Object, ByVal e As
System.IO.ErrorEventArgs)
    Debug.Print(e.GetException.Message)
End Sub

```

```

Private Sub FileSysWatcher_Renamed(ByVal sender As Object, ByVal e As
System.IO.RenamedEventArgs)
    Debug.Print("Name: {0}, Path: {1}", e.Name, e.FullPath)
    TextBox1.Invoke(New MethodInvoker(Sub() TextBox1.AppendText(vbNewLine &
String.Format("Name: {0}, Path: {1}", e.Name, e.FullPath))))
End Sub

```

End Class

This is a basic quick example if you can't continue from this point i would suggest going over the basics of the language before you attempt anything else like this...

EDIT:

WOW lol, This truly shows the amount of shit going on in your pc without your knowledge lol kinda cool :3

Prototype7434 - March 15, 2015, 6:27 am

Quote:The GetDrives() method will pick up any thumb drives etc.

Hi....

Thank you very much for the help..Its a great post...

I tried your code...it runs successfully ,but still there is a problem...it cant watch removable drives.... And the following lines hard for me to understand..could you explain a little bit for me..

```
Code For i = 0 To drives.Length - 1
    Dim watcher As New FileSystemWatcher(drives(i))
    With watcher
        .Path = drives(i)

        Watchers(i) = watcher
```

watcher.EnableRaisingEvents = True
Whats this Watchers(i) = watcher for??
drives(i) returns all drives including removable...But drives(i)=Removable drive not working in FileSystem Watcher...??

Once Again Thank You very much for the help..?

CodeAssassin - March 15, 2015, 7:04 am

(Mar 15, 2015 06:27 AM)Prototype7434 Wrote: [\[CITE\]](#) Hi....

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Whats this Watchers(i) = watcher for??
drives(i) returns all drives including removable...But drives(i)=Removable drive not working in FileSystem Watcher...??

Once Again Thank You very much for the help..?

Whats this Watchers(i) = watcher for?? : watchers is an array "()" < means array.
"(i) = watchers" array(index) = object (in our case filesystemwatcher)

drives(i) returns all drives including removable...But drives(i)=Removable drive not working in FileSystem Watcher...?? I have no idea what your doing i tested the code just and it picks up all my thumb drives, so not sure what your doing???

Prototype7434 - March 15, 2015, 7:33 am

Quote: I have no idea what your doing i tested the code just and it picks up all my thumb drives, so not sure what your doing???

I run you code without any edit on my system...But dont know why its not picking up any removable drives...

Any idea????

Watchers(i)=watcher-----> I mean whats the purpose of this line ...i tried to run without these line...the program run fine without these lines...

Thank You[/quote]

CodeAssassin - March 15, 2015, 10:10 am

(Mar 15, 2015 07:33 AM)Prototype7434 Wrote: [\[CITE\]](#) I run you code without any edit on my system...But dont know why its not picking up any removable drives...

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Thank You[/quote]

Do you not see the For loop?

I think you really need to go over the basics as your missing really simple stuff here mate.

but just so you know so it add the current "watcher(drive letter)" to the array so you could access it later if needed.

nathan72389 - March 15, 2015, 10:14 am

(Mar 15, 2015 07:04 AM)sweetysuckscok Wrote: [\[CITE\]](#) I have no idea what your doing i tested the code just and it picks up all my thumb drives, so not sure what your doing???

I know what he is doing. he is blatantly copy and pasting stuff and hoping to get the result he is looking for.

SIM-1984933 - March 15, 2015, 5:10 pm

FWD

<https://hackforums.net/showthread.php?tid=4732349>

Prototype7434 - March 18, 2015, 10:59 am

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I think you really need to go over the basics as your missing really simple stuff here mate.

but just so you know so it add the current "watcher(drive letter)" to the array so you could access it later if needed.

[/quote]

There is no problem with your code...but the culprit here is the Dvd Drive....it will give some problem...all the drives after the dvd drive in Alldrives array wont work...

I finally got it fixed...Add try/Catch... ?

Only3 - March 18, 2015, 11:04 am

no this is not solve the problem i told him that his code buggy and not working

<https://hackforums.net/showthread.php?tid=4732048>