

Re: Windows Service stopped working

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Did any of the responses posted in response to your original post on this subject 5 days ago help?

"Trevor" <tsides@intelligentsystemsconsulting.com> wrote in message news:%23k9NuYINGHA.3732@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Argh! This problem is driving me nuts! Can you help?

In November of 2003, I installed a web service on Windows Server 2003 built in VB.NET for v1.1.4322 of the framework. It contains a timer (System.Timers.Timer) which has an interval of 24 hours. Actually, it reads a time like 2AM out of the config file, and calculates the time between the start of the service to 2AM, and sets the timer. When the timer expires, it re-reads the configuration file (in case it has changed) and re-sets the timer (which usually ends up being 24 hours).

When the timer expires, it compares the current system time against a global variable (Private LastExecuted As Date). LastExecuted is set as the current time when a File Watcher (System.IO.FileSystemWatcher) is tickled. So, when the timer expires at 2AM, it makes a database update, then checks to see that LastExecuted is not more than an hour ago, otherwise it sends an e-mail (the file we expected to receive today didn't arrive).

After running continuously since November 2003, the timer suddenly started setting itself to sub-second intervals in May, 2005. When people came to work in the morning to 5,000+ e-mail messages, I got the call. I rebooted the service, and all was fine until Dec. 2005, when it happened again. Now, in Feb. 2006, it has happened again, and the only way to stop the sub-second time intervals was to reboot the whole server. Interestingly, even though the timer expired several times per second and sending an e-mail every time, it wasn't re-reading the configuration file (the next subroutine call after sending the e-mails) and recognizing changes to the values therein. A week later, though, the timer now has some unknown interval (because it's not expiring at all, or, the elapsed logic – database update, e-mails and configuration file read – are not happening).

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This server used to be rebooted on a daily basis, but that stopped sometime in 2004 or 2005. I don't know if that's a clue to the problem. I use the Event Log a lot. Should I be releasing the memory reserved by the MyLog variable? Otherwise, I have no idea what might be wrong with the code. Please help!

In case this helps – the code which sets the interval of the timer:

```
Private Function ProperTimerInterval() As Double
Dim MyLog As New EventLog
MyLog.Source = "MyCompany"

Dim NextCheckTime As Date
If CInt(Time.Text.Substring(0, 2)) < CInt(Date.Now.Hour) Then
NextCheckTime = Date.Parse(Date.Now.AddDays(1).Date & " " &
Time.Text)
Else
NextCheckTime = Date.Parse(Date.Now.Date & " " & Time.Text)
End If
NextCheckTime = NextCheckTime.AddHours(1)

Dim IntervalToReturn As Double =
NextCheckTime.Subtract(Date.Now).TotalMilliseconds

If Debug.Text.ToLower = "true" Then
MyLog.WriteEntry("The daily timer is set to expire in " &
IntervalToReturn & " milliseconds, which is " & IntervalToReturn / 1000 /
60 / 60 & " hours.", EventLogEntryType.Information)
End If

Return IntervalToReturn
End Function
```