

Re: Killing a process

Source:

<http://www.tech-archive.net/Archive/Fox/microsoft.public.fox.programmer.exchange/2006-10/msg00555.html>

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 - *Date:* Thu, 26 Oct 2006 09:19:42 -0700
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Doesn't surprise me a bit. In fact I would have been surprised if there wasn't SOME sort of failure with limited users. Everything goes wacky in terminal services with restricted users.

People who run in terminal services often do so specifically to tightly control user rights on the box, and usually get exactly what they wanted. Unfortunately, that means our software often can't perform the tasks they've asked us to perform — even those that work perfectly well on stand-alone windows.

It's the way things are with terminal services. You need to reach some sort of agreements with your clients that you're not going to be able to perform the tasks that they've restricted at the user level. <shrug>

Dan

Mark Burgum wrote:

I found some code on here a while ago (i can't remember who posted it), which allowed you to kill a named process on a computer. As i was creating a new part of our package that lived in a seperate executable at that time, i decided to incorporate it. i recently found that the code had a slight flaw when used in a terminal server environment, where it will kill everyones process, not just the process for the user who was running it. So i did some research and came up with the following.

```
PROCEDURE kill_it
LPARAMETERS what_to_kill
LOCAL user, domain, m.lcsystemstring
oWMI = GETOBJECT('winmgmts:{impersonationLevel=impersonate}')
cQuery = "select * from win32_process where name="
+ALLTRIM(what_to_kill) +""
oResult = oWMI.ExecQuery(cQuery)
FOR EACH oProcess IN oResult
m.user = ""
m.domain = ""
If oProcess.GetOwner ( @User, @Domain ) = 0
```

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```
m.lcsystemstring = SYS(0)
IF TYPE('m.user') = 'C' AND ALLTRIM(SUBSTR(m.lcsystemstring,AT(
#,m.lcsystemstring))) = ALLTRIM(m.user)
oProcess.Terminate(0)
ENDIF
endif
NEXT
endproc
```

which sounded fine, and works a treat on my local machine. however under terminal server i get an error for some users.

ERROR: (1440) OLE exception error: Exception code c0000005. OLE object may be corrupt

The error occurs when trying to make the getOwner call, which according to the documentation should return a number other than 0 if it fails. instead it occasionally errors. This behavoiur would appear to be a security issue, as so far it only happens to people with user rights on the terminal server environment. So in order to get over this, i will now have to trap this error, which should never have happened in the first place! unless someone knows a work around or another way of achieving this?

anyway i hope this saves someone else some heartache.

Mark Burgum