

Re: Why does explorer assign a job object to some processes and no

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Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.kernel/2008-08/msg00026.ht>

- *From:* robe070 <robe070@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sun, 3 Aug 2008 14:43:01 -0700
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"Larry Futrell" wrote:

robe070 wrote:

"Len Holgate" wrote:

On Jul 31, 2:22 am, robe070
<robe...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

We are trying to control child processes of our main process by assigning these children to a Job Object. But, if we start the main process from Explorer it is assigned one already hence we cannot assign another Job Object. On the other hand if we execute our main process from the command line, it does not have a Job Object. This can be viewed using Process Explorer and looking at tyhe Process' properties – it eithe rhas a Job tab or it does not.

Thats the background to the question, why is it assigning a job object when I execute the app from a folder, but when executed from the command line it does not get a job object?

According to Richter's Window's Via C++ book...

In Vista, Explorer will add processes which don't have a manifest to a "PCA" prefixed job so that the Program Compatibility

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Assistant can
jump in and 'help' if it crashes. To avoid having explorer add
your
process to one of these jobs you need to define a manifest for
the
application.

Len
<http://www.lenholgate.com>

Thanks Len, I'd read that somewhere on the web too. But our exe has a
manifest! It can't run without one as it uses MSVCRT90.DLL which will not
work unless we use a manifest. There is something more to it than just the
manifest.

What was meant was probably not just "a manifest", but a manifest containing
the Vista trustInfo element, such as:

```
<trustInfo xmlns="urn:schemas-microsoft-com:asm.v3">  
<security>  
<requestedPrivileges>  
<requestedExecutionLevel  
level="asInvoker"/>  
</requestedPrivileges>  
</security>  
</trustInfo>
```

Thanks Larry

I am compiling with VS 2008 which automatically adds the trustinfo element
that you suggested above. So that doesn't solve it for my app. Its a C/C++
program. Has anybody who has built a C/C++ program used Process Explorer to
see if a Job Object is assigned? And if it does not have a Job Object could
they post the manifest?

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