

# Re: Manifests and requestedExecutionLevel

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*Source:* <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.mfc/2007-07/msg00729.html>

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  - *Date:* Tue, 10 Jul 2007 07:19:15 -0700
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"Joseph M. Newcomer" <[newcomer@xxxxxxxxxxxxx](mailto:newcomer@xxxxxxxxxxxxx)> wrote in message [news:cd3793tke1113aop632fgtdad02fnscrvf@xxxxxxxxxxx](mailto:news:cd3793tke1113aop632fgtdad02fnscrvf@xxxxxxxxxxx)

Yes, I have seen that article, but it is completely useless. It talks about gaining administrator rights, but that does not appear to be the same as asking for a specific integrity level

Yes, as I said:

Kenny's article above makes it seem impossible to use a manifest to specify a medium MIC. This will be the default for standard users but not for Admin users (which will be High by default).

To put it bluntly, I know of no way to use manifests to launch a process with a guaranteed MIC of Medium. You have to use the CreateProcess API variant you mentioned before.

and it handwaves about the manifest without actually telling how to create the manifest (there is no manifest I can find in my project, just the one that appears to be created on-the-fly and therefore could not be modified by hand, even if I could figure out what should go in it.

I wonder why manifests are so complex that the documentation was not delivered on the day that manifests became a component of the system. There's Something Wrong With This Picture. I should be able to go to the MSDN, open the section on manifests, and see the complete documentation, syntax, semantics, and examples of use. Is it

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there? No. I would like to point out that it is now 2007, and VS2005 has been out for two years. Is anyone at Microsoft taking any responsibility for this fiasco?

Joe, do you want help with this problem or just complain about it? Perhaps the reason why there is no succinct doc on manifests is that they are simply XML files. The contents are a collection of XML tags. You are asking the equivalent of some XML primer that knows all possible tags you can possibly put into your XML file. Impossible! Instead, each section (tag) of the manifest is separately documented. For example, to specify elevation:

```
<v3:trustInfo xmlns:v3="urn:schemas-microsoft-com:asm.v3">
<v3:security>
<v3:requestedPrivileges>
<!-- level can be "asInvoker", "highestAvailable", or
"requireAdministrator" -->
<v3:requestedExecutionLevel level="requireAdministrator" />
</v3:requestedPrivileges>
</v3:security>
</v3:trustInfo>
```

and Common Controls 6:

```
<dependency>
<dependentAssembly>
<assemblyIdentity
type="win32"
name="Microsoft.Windows.Common-Controls"
version="6.0.0.0"
processorArchitecture="*"
publicKeyToken="6595b64144ccf1df"
language="*"
/>
</dependentAssembly>
</dependency>
```

To get this manifest into built into your .exe, I already told you:

In VS2005 project Properties, see the manifest tab and specify and Additional Manifest.

-- David

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