

# Re: Manifests and requestedExecutionLevel

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*Source:* <http://www.tech-archive.net/Archive/VC/microsoft.public.vc.mfc/2007-07/msg00722.html>

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- *From:* Joseph M. Newcomer <[newcomer@xxxxxxxxxxxxx](mailto:newcomer@xxxxxxxxxxxxx)>
  - *Date:* Tue, 10 Jul 2007 09:51:34 -0400
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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, 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 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

On Mon, 9 Jul 2007 11:45:58 -0700, "David Ching" <[dc@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:dc@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote:

"Joseph M. Newcomer" <[newcomer@xxxxxxxxxxxxx](mailto:newcomer@xxxxxxxxxxxxx)> wrote in message [news:h6t49395k2e05vb7ji9bsv46sc3c6kbhs3@xxxxxxxxxxxxx](mailto:news:h6t49395k2e05vb7ji9bsv46sc3c6kbhs3@xxxxxxxxxxxxx)

There is a dearth of documentation on manifests, such as the little inconsequential details such as syntax, semantics, and methods for creating them. So I'm stuck, and I'm looking for advice.

The best documentation for these things is blogs. For example <http://weblogs.asp.net/kennykerr/archive/2006/09/29/Windows-Vista-for-Developers-1320-Part-4-1320>

I have an app that has to run at the integrity level designated by SECURITY\_MANDATORY\_MEDIUM\_RID, because it wants to exchange PostMessages with another app running at that same level. Right now, it always starts at

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SECURITY\_MANDATORY\_HIGH\_RID.

While I can re-launch it using CreateProcessAsUser, it would be nicer if it could launch itself at medium integrity level, and then in the unlikely case the co-process were running high or low would a relaunch be necessary.

So the questions are (a) is this something the manifest will do for me? (b) if so, what is the correct syntax for placing it in the manifest? and (c) given that the previous two questions have positive answers, what is the technique of getting this added to the manifest that is created for me automatically by VS2005?

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).

Kenny's article gives you a manifest. See the requestedExecutionLevel section, but unfortunately there is no way to specify Medium MIC here. In VS2005 project Properties, see the manifest tab and specify and Additional Manifest.

-- David

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