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Subject: pointer to exe in memory?

Posted by [nixnixnix](#) on Fri, 24 Jul 2009 19:44:11 GMT

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Hi,

Is there a way to get hold of a pointer to the beginning of the memory containing the executable? I want this so I can put together a scheme which can verify the authenticity of the executable being used.

Failing that, is there a way to find where the current executable was read from (on disk).

I realise these are strange requests but I'm trying to come up with something that is secure but doesn't harass users.

Nick

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Subject: Re: pointer to exe in memory?

Posted by [koldo](#) on Fri, 24 Jul 2009 22:19:09 GMT

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Hello nixnixnix

If you want to get the file address in Windows perhaps you can use CreateFile to get a file handler and SetFilePointerEx to get the address of the beginning of the file.

Best regards

Koldo

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Subject: Re: pointer to exe in memory?

Posted by [mirek](#) on Sun, 26 Jul 2009 01:38:21 GMT

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In Win32, these might be useful:

[http://msdn.microsoft.com/en-us/library/ms683200\(VS.85\).aspx](http://msdn.microsoft.com/en-us/library/ms683200(VS.85).aspx)

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Subject: Re: pointer to exe in memory?

Posted by [nixnixnix](#) on Mon, 27 Jul 2009 23:05:59 GMT

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Thanks.

I'll give this a try although this reads the program from disk right? Not from what is in memory? ( I

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realise that unless this function gets compromised its the same thing).

Nick

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Subject: Re: pointer to exe in memory?

Posted by [koldo](#) on Tue, 28 Jul 2009 06:12:10 GMT

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Hello nixnixnix

SetFilePointerE is supposed to get the file position and Mirek's post (<http://msdn.microsoft.com/en-us/library/ms683200>) is to get the program position in memory.

Best regards  
Koldo

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Subject: Re: pointer to exe in memory?

Posted by [nixnixnix](#) on Tue, 04 Aug 2009 22:51:56 GMT

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Thanks Koldo but I don't appear to have SetFilePointerEx in my version of UPP (latest from SVN). Am I missing something?

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Subject: Re: pointer to exe in memory?

Posted by [koldo](#) on Wed, 05 Aug 2009 06:35:19 GMT

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Oh Nixnixnix, it is not so easy.

You can find a reference in <http://msdn.microsoft.com/en-us/library/aa365542%28VS.85%29.aspx> and in <http://msdn.microsoft.com/en-us/library/cc500401.aspx> there is a general explanation.

SetFilePointerEx gives a file pointer, although I do not know if it will serve you.

Best regards  
Koldo

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Subject: Re: pointer to exe in memory?

Posted by [nixnixnix](#) on Mon, 10 Aug 2009 18:44:56 GMT

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Hey Koldo,

Thanks for your help. I found

`GetExeFilePath()`

so am using that for now.

Thanks again,

Nick

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