

Re: Can you write code directly in CIL ???

## Re: Can you write code directly in CIL ???

---

*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2005-12/msg04963.html>

---

- *From:* "Abubakar" <[abubakarm@xxxxxxxxxx](mailto:abubakarm@xxxxxxxxxx)>
  - *Date:* Tue, 27 Dec 2005 12:51:50 +0500
- 

Hi,

> Can you write code directly in the Common Intermediate language? I need to  
> optimize a critical real-time function.

ofcourse you can, by now you may even have done it. Just write few \*.il lines and pass it to ilasm (that comes with the sdk) and you'll get the managed binary.

although Nicholas tried explaining. I have just few things to add.

1- If you look at the shared source implementation of .net, ie, SSCLI (aka ROTOR), you wont find a single \*.il file that microsoft devs had to write in order to acheive better performance. The max they did to write fast code as a .net code was to write the unsafe C# code (which uses pointers). Beyond that, places that needed to get maximum efficiency like JIT, they used a pure c++ code and in very few places, x86 assembly code was used. I think if those developers could acheive anything significant by writing il directly, they would have done that.

2- C# compiler is as clever in generating msil as anyone can possibly get. I would recommend that start analysing the output of the C# compiler by looking at the generated msil using ildasm (or your fav il disassembler) and really see if you could have written a better msil.

3- I heard somebody mention that there are indeed some msil instructions that C# compiler doesnt use. If by using those instructions more fast code could be produced than maybe you have a chance. But I would not count on this one.

regards,

Ab.

<http://joehacker.blogspot.com>

"Peter Olcott" <[olcott@xxxxxxx](mailto:olcott@xxxxxxx)> wrote in message  
[news:7t%rf.37887\\$QW2.9998@xxxxxxxxxxxxxxxx](mailto:news:7t%rf.37887$QW2.9998@xxxxxxxxxxxxxxxx)

> Can you write code directly in the Common Intermediate language? I need to  
> optimize a critical real-time function.

>  
>

Re: Can you write code directly in CIL ???

- **Follow-Ups:**

- ◆ **Re: Can you write code directly in CIL ???**

- ◇ From: Peter Olcott

- ◆ **Re: Can you write code directly in CIL ???**

- ◇ From: Jon Skeet [C# MVP]

- **References:**

- ◆ **Can you write code directly in CIL ???**

- ◇ From: Peter Olcott

- Prev by Date: **Show whitespaces**

- Next by Date: **Re: can i put 2 configuration files for my Console application ?**

- Previous by thread: **Re: Can you write code directly in CIL ???**

- Next by thread: **Re: Can you write code directly in CIL ???**

- Index(es):

- ◆ **Date**

- ◆ **Thread**