

x64 Calling convention(ABI) issues.

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2005-08/msg00595.1>

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 - *Date:* Mon, 15 Aug 2005 00:16:07 -0700
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_asm{...} is not allowed in 64bit DDK compiler.

So have to rewrite the _asm session to C or intrinsic function.

While, rewrite to C works fine, but rewrite to intrinsic function(complete assemble code) have some problems.

In HCT 12.1, there is a x64 calling convention test, which complain that the intrinsic function is "leaf function can not call" "nested function can not modify"

Some errors like that.

The intrinsic function works well while running, seems the errors come with some register using not match some format.

After search in MSDN, did not find any helpful information.

So, is there any body know how to write the intrinsic function correctly(can pass the HCT12.1's x64 calling convention tests)?

• *Follow-Ups:*

- ◆ ***Re: x64 Calling convention(ABI) issues.***

◇ *From:* Ivan Brugiolo [MSFT]

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