

# fatal error C1083: Cannot open include file: 'ammintrin.h': No such file or directory

Maris April 15, 2011 9 Comments

I can not compile my C++ projects after installing 'Security Update for Microsoft Visual Studio 2010 (KB2455033)', see my yesterday's post: [Security Update for Microsoft Visual Studio 2010 \(KB2455033\) failed with Code 643.](#)

Visual Studio 2010 shows the following error:

```
1>----- Build started: Project: some_project_name_i_am_hiding, Configuration: Debug Win32 -----
1> stdafx.cpp
1>c:\program files (x86)\microsoft visual studio 10.0\vc\include\intrin.h(26): fatal error C1083: Cannot open include file: 'ammintrin.h': No such file or directory
===== Build: 0 succeeded, 1 failed, 0 up-to-date, 0 skipped =====
```

Error is caused because file intrin.h have reference to ammintrin.h, and after this update there is no such file. Relevant fragment from intrin.h:

```
#if defined(_M_IX86) || defined(_M_X64)
#include <immintrin.h>
#include <ammintrin.h>
```

Searching Google for the answer I found only one link in Russian. Russian developer says, he have reinstalled Visual Studio. Tried to search MS Connect again, and found: [Windows Update KB2455033 breaks build with missing ammintrin.h.](#)

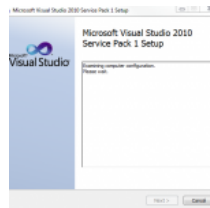
The workaround is to install Visual Studio 2010 SP1. Download it form Microsoft Website: [Microsoft Visual Studio 2010 Service Pack 1 \(Installer\).](#)

Installing service pack 1 takes some time while I am writing this blog post... 30 minutes... And Building / compiling after SP1 is successful. So installing Microsoft Visual Studio 2010 Service Pack 1 fixes this issue.

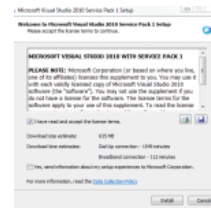
Screenshots from the process below.



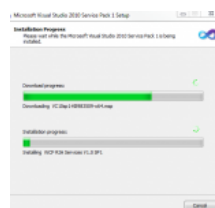
VS 2010 about box before installing SP1



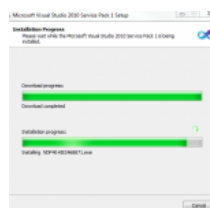
VS 2010 installing SP1



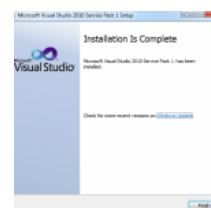
VS 2010 installing SP1



WCF RIA Services V1.0 SP1 – installation is taking like forever...



Almost installed VS 2010 SP1



VS 2010 SP1 installation complete



VS 2010 about box after installing SP1... WOW... Licensed to is shown correctly!

## 9 replies on “fatal error C1083: Cannot open include file: ‘ammintrin.h’: No such file or directory”

### Jmizzle

[August 22, 2011 at 4:45 pm](#)

Thanks

### bahar

[December 5, 2011 at 11:44 am](#)

thanks^10000000

### Bharat

[December 27, 2013 at 8:19 am](#)

Thanks a ton !!! :-)

### Anonymous

[January 16, 2014 at 7:57 am](#)

Plucking Visual Studio! Why things are so easy with GCC and so hard with VS?

### Karthik

[August 6, 2014 at 12:37 pm](#)

Thanks a lot..

### Bin

[August 22, 2014 at 3:08 pm](#)

Thanks so much, dude. You save my whole weekends!

### Edwin Steiner

[March 26, 2015 at 4:47 pm](#)

Thanks! That was tremendously helpful!

### Anonymous

[May 28, 2016 at 8:59 am](#)

It is already 2016 and I am still using VS2010...anyways thank you!

### Anonymous

[August 31, 2017 at 3:50 am](#)

Comments are closed.

Hot

Hot

Hot

Hot

Hot



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