
Subject: Problem in installation of jul14p3
Posted by [Lia Lavezzi](#) on Thu, 18 Dec 2014 12:44:05 GMT
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Hallo,

I tried installing on Ubuntu 14.10 (gcc 4.9.1) the externals jul14p3 but the installation ends with this error:

```
g++ -DVC_COMPILE_LIB -g -pipe -Wshadow -W -Woverloaded-virtual -fPIC -linclude
-DR__HAVE_CONFIG -pthread -fabi-version=0 -Wno-unused-function -mavx -c -o
math/vc/src/trigonometric__mavx.cpp.o
/home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/src/t_rigonometric.cpp
In file included from include/Vc/avx/vector.h:23:0,
    from include/Vc/vector.h:30,
    from include/Vc/Vc:22,
    from /home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/src/t
rigonometric.cpp:20:
include/Vc/avx/intrinsics.h:478:0: warning: "_mm256_blend_epi16" redefined
# define _mm256_blend_epi16(a0, b0, m) \
^
In file included from /usr/lib/gcc/x86_64-linux-gnu/4.9/include/immintrin.h:43:0,
    from include/Vc/avx/intrinsics.h:30,
    from include/Vc/avx/vector.h:23,
    from include/Vc/vector.h:30,
    from include/Vc/Vc:22,
    from /home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/src/t
rigonometric.cpp:20:
/usr/lib/gcc/x86_64-linux-gnu/4.9/include/avx2intrin.h:224:0: note: this is the location of the
previous definition
#define _mm256_blend_epi16(X, Y, M) \
^
In file included from /usr/lib/gcc/x86_64-linux-gnu/4.9/include/immintrin.h:43:0,
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    from include/Vc/avx/vector.h:23,
    from include/Vc/vector.h:30,
    from include/Vc/Vc:22,
    from /home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/src/t
rigonometric.cpp:20:
include/Vc/avx/intrinsics.h:292:40: error: expected ')' before '__builtin_ia32_psrlldqi256'
    static Vc_INTRINSIC m256i Vc_CONST _mm256_srli_si256(param256i a0, const int i) {
        ^
In file included from include/Vc/avx/undomacros.h:26:0,
    from include/Vc/avx/intrinsics.h:597,
    from include/Vc/avx/vector.h:23,
    from include/Vc/vector.h:30,
    from include/Vc/Vc:22,
    from /home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/src/t
rigonometric.cpp:20:
include/Vc/avx/./common/undomacros.h:106:27: error: expected '}' before end of line
#pragma GCC diagnostic pop
    ^
include/Vc/avx/./common/undomacros.h:106:27: error: expected '}' before end of line
```

```

include/Vc/avx/./common/undomacros.h:106:27: error: expected '}' before end of line
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    from include/Vc/avx/vector.h:23,
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    from /home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/src/t
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include/Vc/avx/./common/undomacros.h:106:27: error: expected '}' before end of line
include/Vc/avx/./common/undomacros.h:106:27: error: expected '}' before end of line
include/Vc/avx/./common/undomacros.h:106:27: error: expected declaration before end of line
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-DR__HAVE_CONFIG -pthread -fabi-version=0 -Wno-unused-function -mavx -c -o
math/vc/src/avx_sorthelper.cpp.o
/home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/src/a_vx_sorthelper.cpp

```

In file included from /home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/src/avx_sorthelper.cpp:20:0:

include/Vc/avx/intrinsics.h:478:0: warning: "_mm256_blend_epi16" redefined

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# define _mm256_blend_epi16(a0, b0, m) \
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from include/Vc/avx/intrinsics.h:30,

from /home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/src/avx_sorthelper.cpp:20:

/usr/lib/gcc/x86_64-linux-gnu/4.9/include/avx2intrin.h:224:0: note: this is the location of the

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#define _mm256_blend_epi16(X, Y, M) \
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include/Vc/avx/intrinsics.h:292:40: error: expected ')' before '__builtin_ia32_psrlldqi256'

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static Vc_INTRINSIC m256i Vc_CONST _mm256_srli_si256(param256i a0, const int i) {
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include/Vc/avx/./common/undomacros.h:106:27: error: expected '}' before end of line

include/Vc/avx/./common/undomacros.h:106:27: error: expected '}' before end of line

include/Vc/avx/./common/undomacros.h:106:27: error: expected declaration before end of line

/home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/tools/root/math/vc/Module.mk:55: recipe for target 'math/vc/src/avx_sorthelper.cpp.o' failed

make: *** [math/vc/src/avx_sorthelper.cpp.o] Error 1

**** Checking libraries in /home/lavezzi/fairsoft/jul14p3/fairsoft_jul14p3/externals/lib ****

*** ERROR: root could not be created.

*** End installation of external packages with Errors***

Any ideas?

Thank you in advance,

Lia.

Subject: Re: Problem in installation of jul14p3

Posted by [Florian Uhlig](#) on Thu, 18 Dec 2014 13:13:13 GMT

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Hi Lia,

can you change

```
--enable-vc
```

to

--disable-vc

in tools/rootconfig.sh and run the configure script again.

I fear the vc package in ROOT is too old for the new compiler.

Ciao

Florian

Subject: [SOLVED] Re: Problem in installation of jul14p3
Posted by [Lia Lavezzi](#) on Thu, 18 Dec 2014 14:00:14 GMT

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Thank you Florian!

It worked and the installation ended without errors.

Ciao,
Lia.
