

Dear PANDA experts,

I've run into a problem when trying to install fairsoft_mar15p3 on a new Mac computer.

I'm running Mac OS X 10.11.4
and Xcode version 7.3 (7D175)

I installed the prerequisites according to the fairroot page;
<https://fairroot.gsi.de/?q=node/106>
which went fine.

These are the settings I'm using:

```
compiler=Clang
debug=no
optimize=no
geant4_download_install_data_automatic=yes
geant4_install_data_from_dir=no
build_python=no
install_sim=yes
SIMPATH_INSTALL=/Users/walan603/fairsoft_mar15/buildFairSoft
platform=macosx
```

The following errors appear during the root installation:

```
In file included from
/Users/walan603/fairsoft_mar15/tools/root/math/vc/src/trigonometric.cpp:20:
In file included from include/Vc/Vc:22:
In file included from include/Vc/vector.h:33:
In file included from include/Vc/sse/vector.h:23:
include/Vc/sse/intrinsics.h:309:17: error: use of undeclared identifier
    '__builtin_ia32_psrlldqi128'
      c = _mm_srli_si128(_mm_setallone_si128(), 12);
      ^
include/Vc/sse/./common/fix_clang_emmintrin.h:40:12: note: expanded from macro
    '_mm_srli_si128'
    (__m128i)__builtin_ia32_psrlldqi128((__m128i)(a), (count)*8); }
```

```
In file included from
/Users/walan603/fairsoft_mar15/tools/root/math/vc/src/trigonometric.cpp:20:
In file included from include/Vc/Vc:22:
In file included from include/Vc/vector.h:33:
In file included from include/Vc/sse/vector.h:23:
include/Vc/sse/intrinsics.h:312:17: error: C-style cast from 'void' to '__m128i'
    (vector of 2 'long long' values) is not allowed
```

```
c = _mm_slli_si128(_mm_srli_si128(_mm_setallone_si128(), 12), 4);  
^~~~~~  
include/Vc/sse/./common/fix_clang_emmintrin.h:34:38: note: expanded from macro  
'_mm_slli_si128'  
(__m128i)__builtin_ia32_pslldq128((__m128i)(a), (count)*8); }
```

and it aborts after awhile.

How do I solve this? I also tried fairsoft mar15p6 and got the same result.

Best regards,
Walter

Subject: Re: Eternal package compilation error OSX 10.11.4
Posted by [Tobias Stockmanns](#) on Thu, 14 Apr 2016 14:51:47 GMT
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Dear Walter,

please post your question on the FairRoot forum. I have not yet dared to update my OSX and I am still running with 10.11.3.

<https://forum.gsi.de/index.php?t=index&cat=36>

Cheers,

Tobias

Subject: Re: Eternal package compilation error OSX 10.11.4
Posted by [Stefano Spataro](#) on Thu, 14 Apr 2016 15:40:49 GMT
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From an old discussion I remember that FairSoft is not compatible with the new OS X. Try in the FairRoot forum, you should get more updated information,

Subject: Re: Eternal package compilation error OSX 10.11.4
Posted by [Walter Ikegami Andersson](#) on Tue, 19 Apr 2016 12:57:49 GMT
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From the responses I got from the Fairroot forum, it seems like ROOT5 is not compatible with OSX.

I'll stick with a virtual machine with Ubuntu 14.04 for now.

Subject: Re: Eternal package compilation error OSX 10.11.4
Posted by [Stefano Spataro](#) on Tue, 19 Apr 2016 13:10:28 GMT
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To be more precise, it is not compatible with OS X 11 (El Capitan), while it is compatible with OS X 10 (Yosemite).
