

## U++ - Bug #1805

### Core: The Clang 3.4 compiler supports std::decay\_t template with using -std=c++1y and C++14 capable library

11/08/2017 12:12 AM - Sender Ghost

<b>Status:</b>	Rejected	<b>Start date:</b>	11/08/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Core	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Release 2017.2	<b>Spent time:</b>	0.00 hour
<b>Description</b>			
<p>The <a href="#">11438</a> revision added restrictions for Clang 3.4 compiler in <a href="#">uppsrc/Core/CoWork.h</a> file.</p> <p>I propose to remove such restriction and take informative approach instead, because possible to use other -std value (e.g. -std=c++11) for more modern compiler with the same "not compiled" effect.</p> <p>Some links for reference:</p> <p><a href="http://clang.llvm.org/cxx_status.html#cxx14">http://clang.llvm.org/cxx_status.html#cxx14</a></p> <p><a href="https://github.com/llvm-mirror/libcxx/blob/c3f25abd635423dcaad2efc4db13ab5264e8393c/include/_config#L916-L926">https://github.com/llvm-mirror/libcxx/blob/c3f25abd635423dcaad2efc4db13ab5264e8393c/include/_config#L916-L926</a></p> <p><a href="https://github.com/llvm-mirror/libcxx/blob/f2c4a96359e4cbf7fa575f27d7e94248e5fd84b8/include/type_traits#L1308-L1310">https://github.com/llvm-mirror/libcxx/blob/f2c4a96359e4cbf7fa575f27d7e94248e5fd84b8/include/type_traits#L1308-L1310</a></p>			

#### History

##### #1 - 11/08/2017 12:52 AM - Sender Ghost

This was tested on FreeBSD 10.3 amd64 and Clang 3.4.1 in base (with using -std=c++1y instead of -std=c++14) for example in tutorial/CoreTutorial/Async.cpp:

<https://github.com/ultimatepp/mirror/blob/3231859d0295b96ee2ce53ee00578d6227ba7279/tutorial/CoreTutorial/Async.cpp>

with following results:

```
a.Get() = 9.33262154439441e157
Exception has been caught
Work was canceled
```

Some links for reference:

[https://github.com/freebsd/freebsd/blob/releng/10.3/contrib/libc%2B%2B/include/\\_config#L678-L686](https://github.com/freebsd/freebsd/blob/releng/10.3/contrib/libc%2B%2B/include/_config#L678-L686)

[https://github.com/freebsd/freebsd/blob/releng/10.3/contrib/libc%2B%2B/include/type\\_traits#L772-L774](https://github.com/freebsd/freebsd/blob/releng/10.3/contrib/libc%2B%2B/include/type_traits#L772-L774)

<https://github.com/freebsd/freebsd/blob/releng/10.3/contrib/llvm/tools/clang/lib/Frontend/InitPreprocessor.cpp#L318-L320>

[https://github.com/freebsd/freebsd/blob/3678f64ad386927abc67f2fa9c29e9d841865db8/contrib/libc%2B%2B/include/\\_config#L678-L686](https://github.com/freebsd/freebsd/blob/3678f64ad386927abc67f2fa9c29e9d841865db8/contrib/libc%2B%2B/include/_config#L678-L686)

[https://github.com/freebsd/freebsd/blob/511fc2e53ec0c25a92e2d1a47a46821b30ee2b6d/contrib/libc%2B%2B/include/type\\_traits#L772-L774](https://github.com/freebsd/freebsd/blob/511fc2e53ec0c25a92e2d1a47a46821b30ee2b6d/contrib/libc%2B%2B/include/type_traits#L772-L774)

<https://github.com/freebsd/freebsd/blob/9cedb8bb69b89b0f0c529937247a6a80cabdbaec/contrib/llvm/tools/clang/lib/Frontend/InitPreprocessor.cpp#L31-L320>

##### #2 - 11/08/2017 01:51 AM - Sender Ghost

- Subject changed from Core: The Clang 3.4 compiler supports decay\_t template with using -std=c++1y and C++14 capable library to Core: The Clang 3.4 compiler supports std::decay\_t template with using -std=c++1y and C++14 capable library

##### #3 - 11/08/2017 01:53 AM - Sender Ghost

- Assignee set to Miroslav Fidler

**#4 - 11/12/2017 08:01 AM - Sender Ghost**

- Status changed from New to Rejected
- Assignee deleted (Miroslav Fidler)

This issue rejected, because Async was rewritten in C++11 (in [11446](#) revision).

**#5 - 11/12/2017 02:33 PM - Zbigniew Rebacz**

- Target version set to Release 2017.2

**Files**

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uppsrc_Core_CoWork.diff	744 Bytes	11/07/2017	Sender Ghost
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