

## Exiv2 - Patch #1362

### Fix Clang build

04 Aug 2018 14:27 - David Carlos Manuelda

<b>Status:</b>	Closed	<b>Start date:</b>	04 Aug 2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Robin Mills	<b>% Done:</b>	100%
<b>Category:</b>	build	<b>Estimated time:</b>	1.00 hour
<b>Target version:</b>	0.27		

#### Description

Clang does not admit `-std=gnu++98` for C, as it is a C++ flag, thus it fails with error despite gcc and other seems to accept it even in C mode.

The fix is pretty simple, by using `CMAKE_C_FLAGS` instead of `ADD_DEFINITIONS` for setting that flag (also `ADD_DEFINITIONS` is not supposed to use for other kind of flags which are not `-DXXXX`).

#### History

##### #1 - 05 Aug 2018 13:08 - Robin Mills

- Category set to build
- Status changed from New to Assigned
- Assignee set to Robin Mills
- Target version set to 0.27
- % Done changed from 0 to 10
- Estimated time set to 2.00 h

Thanks for reporting this and providing the patch.

I'm very surprised by this because I use a Mac as my development machine on which the compiler is clang. I'll investigate your patch on Linux/clang and get back to you.

I'm on vacation at the moment and will do the work as time permits.

##### #2 - 05 Aug 2018 14:48 - David Carlos Manuelda

An important fact is that it fails with clang-6, not with previous versions as the if condition above is not met.

##### #3 - 05 Aug 2018 14:52 - Robin Mills

Ah. Thanks for letting me know about that detail.

You're welcome to submit a PR to <https://github.com/exiv2/exiv2.git>

##### #4 - 05 Aug 2018 15:40 - Robin Mills

David

I'm on vacation in Montana, USA and can't get clang to download. I think something's blocking my internet connection. Can you submit a PR on <https://github.com/exiv2/exiv2> and another member of Team Exiv2 will give this attention.

Robin

##### #5 - 05 Aug 2018 15:46 - David Carlos Manuelda

Sure, will do tomorrow, thanks for your attention and enjoy your hollydays :)

##### #6 - 06 Aug 2018 14:07 - David Carlos Manuelda

I've reviewed github repository, seems it is already fixed there, I was affected probably by an old snapshot of exiv2 for Gentoo.

Sorry for the inconvenience :)

##### #7 - 06 Aug 2018 14:28 - Robin Mills

- Status changed from Assigned to Closed
- % Done changed from 10 to 100
- Estimated time changed from 2.00 h to 1.00 h

Thanks for the update, David. It's good to hear that this is working for you. Thank You for using Exiv2 and Thank You for engineering a patch.

## Files

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fix-clang-build.patch

641 Bytes

04 Aug 2018

David Carlos Manuela