

## Exiv2 - Feature #538

### Run-time features must be separated from build-time features

11 Jan 2008 03:04 - Nikolai Saoukh

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Robin Mills	<b>% Done:</b>	100%
<b>Category:</b>	not-a-bug	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.26		
<b>Description</b>			
Right now <code>_MSC_VER</code> , for example, is abused for run time environment AND build properties. There must be clear distinction between  run time (win32, win64, unix, wince, cygwin, mingw, plan9, vms, ...)  and  build time (Microsoft VC, Borland bcc, Watcom, Intel, gcc, ...)			
<b>Related issues:</b>			
Related to Exiv2 - Bug #710: Problems Compiling Exiv2 Under SGI IRIX		<b>Closed</b>	<b>29 Jun 2010</b>

#### History

##### #1 - 11 Jan 2008 03:07 - Nikolai Saoukh

Well,  
mingw is not run time environment ;-)

##### #2 - 13 Jan 2008 19:36 - Andreas Huggel

Can you elaborate, maybe with an example from the code of what's wrong and how you propose to change this? I don't quite understand what the problem is. (`_MSC_VER` is a precompiler define, as such it is only used at compile-time.)

##### #3 - 13 Jan 2008 22:22 - Nikolai Saoukh

I do not claim the bug (or feature request). Rather small lament.

I made, just for curiosity, (fruitless) attempt to compile exiv2lib with free borland compiler:

File types.hpp:

```
#ifndef _MSC_VER
typedef unsigned __int8  uint8_t;
typedef unsigned __int16 uint16_t;
typedef unsigned __int32 uint32_t;
typedef __int16      int16_t;
typedef __int32      int32_t;
#endif
```

File basicio.cpp:

```
#if defined WIN32 && !defined CYGWIN
// This is required on msvcrt before stat after writing to a file
commit(_fileno(fp));
#endif
```

##### #4 - 14 Jan 2008 03:35 - Nikolai Saoukh

Small neat pick by borland bcc32 5.5.1 in attached src.patch. It just a few, I am not spent much time on that issue.

##### #5 - 22 Aug 2015 09:42 - Robin Mills

- Category changed from build to not-a-bug
- Status changed from New to Closed
- Assignee set to Robin Mills

- Target version set to 0.26

We do not support the Borland compiler. Please see [#710](#) for additional comments about the state of C++ compilers.

**#6 - 22 Aug 2015 16:17 - Robin Mills**

- % Done changed from 0 to 100

#### Files

---

src.patch	8.5 KB	14 Jan 2008	Redmine Admin
-----------	--------	-------------	---------------