
Subject: GCC.bm problems

Posted by [ebojd](#) on Thu, 22 Mar 2007 14:09:42 GMT

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There continues to be problems with the GCC.bm file missing from the source distribution. Looking at the structure of the file I surmise that it sets up various configuration *stuff*. I have the following questions and comments:

- *) how is it generated?
- *) when is it supposed to be generated?
- *) how does it become "stale" or out of sync?

Having this break installation should be addressed IMNSHO...

EBo --

Subject: Re: GCC.bm problems

Posted by [mirek](#) on Thu, 22 Mar 2007 16:57:53 GMT

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ebojd wrote on Thu, 22 March 2007 10:09: There continues to be problems with the GCC.bm file missing from the source distribution. Looking at the structure of the file I surmise that it sets up various configuration *stuff*. I have the following questions and comments:

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Having this break installation should be addressed IMNSHO...

EBo --

Well, that file mostly consists of include/library paths and compiler options. It is user editable in "Build methods" dialog.

So far, I have created it long long time ago and then just copied the same file across various linux distros - it seems paths are pretty stable in fact.

Mirek

Subject: Re: GCC.bm problems

Posted by [ebojd](#) on Thu, 22 Mar 2007 17:10:17 GMT

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Thanks,

I figured as much. There are a few of the details which can/should be updated though (like the INCLUDE and LIB should either take the arguments from pkg-config or be initialized by them).

So to followup,

-> needs to be there on initial startup, but copying old is good enough.

-> basically does not become stale, but can be edited by user

The new revision of upp-portage (2007.1_rc3-r2) simply copies this over into the source tree. As soon as I sort out the problem with the new use initialization I'll post the code onto sourceforge.

EBo --

Subject: Re: GCC.bm problems
Posted by [ebojd](#) on Wed, 28 Mar 2007 15:42:47 GMT
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With the latest test I ran into a problem with the old definitions of GCC.bm. Specifically, it does not include proper definitions on where to find the cflags and libs defined by pkg-config...

I propose to patch the Makefile to generate the GCC.bm file so that it will have the appropriate definitions at compile time.

Does this sound reasonable and acceptable?

EBo --

Subject: Re: GCC.bm problems
Posted by [mirek](#) on Wed, 28 Mar 2007 15:49:53 GMT
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But at least in there, GCC.bm depends on actual target platform..

Mirek

Subject: Re: GCC.bm problems
Posted by [ebojd](#) on Wed, 28 Mar 2007 19:02:26 GMT
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Do we have a collection of what each of the variables are to be set for each of the platforms and compiler configurations? My comment regarding generating it as part of the compile/install phase in the Makefile is only valid for platforms which use the Makefile to do the initial build. If you give me a list of different configurations and settings I can probably get the Makefile to build it (either that or write a u++ app which queries the OS and configuration and builds one -- which would allow it to be regenerated on the fly with the one installed GCC.bm being the system default).

EBo --

Subject: Re: GCC.bm problems
Posted by [mirek](#) on Wed, 28 Mar 2007 20:46:39 GMT
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ebojd wrote on Wed, 28 March 2007 15:02Do we have a collection of what each of the variables are to be set for each of the platforms and compiler configurations? My comment regarding generating it as part of the compile/install phase in the Makefile is only valid for platforms which use the Makefile to do the initial build. If you give me a list of different configurations and settings I can probably get the Makefile to build it (either that or write a u++ app which queries the OS and configuration and builds one -- which would allow it to be regenerated on the fly with the one installed GCC.bm being the system default).

EBo --

Well, I am simply not sure this is worth the effort. Having existing .bm, variations are minimal and usually you can have it fixed in minutes. I think it will change two or three times on each distribution max. Fixing Makefile generator to generate .bm would be take days. Fixing generated Makefiles would not solve a problem, as you would have to fix Makefile more often then to fix .bm.

Mirek

Subject: Re: GCC.bm problems
Posted by [ebojd](#) on Thu, 29 Mar 2007 12:54:38 GMT
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luzr wrote on Wed, 28 March 2007 15:46
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Mirek

OK. My thought was that without it, it does not just "run out of the box". Once you have anything

running, then I agree that the changes are trivial. The real problem comes for someone building u++ for the very first time, and has no clue why it is broken... When this happens to me I first ask myself why it does not work, then I ask myself if it is worth trying to figure out what went wrong, and lastly I ask myself if the basic install fails, then what else did they get wrong. U++ is a really great tool, and having an install break out of the box leaves the wrong impression IMHO.

EBo --

Subject: Re: GCC.bm problems
Posted by [mirek](#) on Thu, 29 Mar 2007 13:00:41 GMT
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ebojd wrote on Thu, 29 March 2007 08:54luzr wrote on Wed, 28 March 2007 15:46
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Mirek

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EBo --

Well, I think we should rather try for per-platform presence (.deb, .rpm etc.)

Mirek

Subject: Re: GCC.bm problems
Posted by [ebojd](#) on Thu, 29 Mar 2007 15:42:22 GMT
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luzr wrote on Thu, 29 March 2007 08:00
Well, I think we should rather try for per-platform presence (.deb, .rpm etc.)

Mirek

OK. I'll keep my specific changes in the ebuild then.

Cheers,

EBo --
