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Subject: Cannot enable dynamic (Shared libs) building for release configurations on Linux

Posted by [Novo](#) on Fri, 16 May 2008 02:14:56 GMT

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RELEASE\_LINKMODE is set to 1 in the "bm" file. Everything is fine in the debug configuration. Everything looks correctly except it doesn't work as expected. I have this problem at work and at home. There was no problem at home before I reinstalled Ubuntu. (8.04 didn't work for me, so I reinstalled 7.10 back). So, now I do not have officially built version of TheIDE installed either at home or at work, and I have this problem instead.

I've tried to debug TheIDE. I found several places where "bm" files are read. Unfortunately I couldn't find a place where values of Ide::release are assigned. At least I couldn't stop there in debugger.

Does anybody have any idea?

TIA

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Subject: Re: Cannot enable dynamic (Shared libs) building for release configurations on Linux

Posted by [mirek](#) on Fri, 16 May 2008 05:19:53 GMT

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Have you checked with "Verbose"?

Mirek

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Subject: Re: Cannot enable dynamic (Shared libs) building for release configurations on Linux

Posted by [Novo](#) on Fri, 16 May 2008 15:08:56 GMT

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luzr wrote on Fri, 16 May 2008 01:19Have you checked with "Verbose"?

Mirek

That was first what I did.

Can you tell me where Ide::release is initialiaized, so I can put a breakpoint there? The initialization code can be found at many places. That makes debugging somewhat difficult.

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Subject: Re: Cannot enable dynamic (Shared libs) building for release configurations on Linux

Posted by [mirek](#) on Fri, 16 May 2008 22:25:03 GMT

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```
Index<String> Ide::PackageConfig(const Workspace& wspc, int package,
                                const VectorMap<String, String>& bm, String mainparam,
                                Host& host, Builder& b, String *target)
```

(ide/Build.cpp the start of file)

...and the rest is in builder...

Mirek

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Subject: Re: Cannot enable dynamic (Shared libs) building for release configurations on Linux

Posted by [Novo](#) on Sat, 17 May 2008 19:41:49 GMT

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targetmode is set to 1, m.linkmode is set to 0. I have no idea where Ide::release is initialized. TargetMode has only a default constructor. No setters at all. No place to put a breakpoint.

BTW. Ide::PackageConfig() is called 57 times during building of I18NCtrlLayoutTest.

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Subject: Re: Cannot enable dynamic (Shared libs) building for release configurations on Linux

Posted by [mirek](#) on Sun, 18 May 2008 07:14:14 GMT

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Novo wrote on Sat, 17 May 2008 15:41targetmode is set to 1, m.linkmode is set to 0. I have no idea where Ide::release is initialized. TargetMode has only a default constructor. No setters at all. No place to put a breakpoint.

It is loaded from config file.

User can set it in output mode dialog. See OutputMode.cpp, beginning of file.

Mirek

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Subject: Re: Cannot enable dynamic (Shared libs) building for release configurations on Linux

Posted by [Novo](#) on Mon, 19 May 2008 03:21:39 GMT

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You've mentioned earlier about setting `RELEASE_LINKMODE="1"` in `GCC.bm` but `Ide::SetupDefaultMethod()` reads `release.linkmode` from `RELEASE_SO`.

I couldn't make TheIDE stop either in `Ide::SetupDefaultMethod` (`release.linkmode = atoi(map.Get("RELEASE_LINKMODE", "0"))`) or in `OutMode::Preset()`, where `RELEASE_LINKMODE` is read.

I have no ideas where else `RELEASE_LINKMODE` can be processed. Serialized configuration files for a workspace store `release.linkmode = 0`. User interface displays correct values from `GCC.bm`. `GCC.bm` is read from `~/upp/ide`. I traced that.

BTW. "Default debug info level" also seems to be ignored by the linker. I wasn't able to get debug information till I added `"-g2"` to the "Debug options".

Something is definitely wrong ...

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Subject: Re: Cannot enable dynamic (Shared libs) building for release configurations on Linux

Posted by [mirek](#) on Fri, 30 May 2008 16:06:06 GMT

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This is really weird, everything works well for me.

Maybe you can just try to delete `cfg` dir?

Mirek

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Subject: Re: Cannot enable dynamic (Shared libs) building for release configurations on Linux

Posted by [Novo](#) on Sat, 31 May 2008 20:43:24 GMT

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luzr wrote on Fri, 30 May 2008 12:06 This is really weird, everything works well for me.

Maybe you can just try to delete `cfg` dir?

Mirek

Sorry for spamming this forum. It turned out I forgot to make changes in `Build->Output mode->Link mode`.

It was hard for me to realize that building options are set in two separate places.

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