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Subject: Upp links every time and takes minutes  
Posted by [NilaT](#) on Mon, 21 Oct 2013 07:20:57 GMT  
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Hi everybody...

We have a huge problem since some time, and don't know how to solve this. It's getting really annoying right now so I thought I ask in the forum.

We're using Upp version 5485 with compiler from Visual Studio 10 and really EVERY time we compile we get the following:

```
xxx: 1 file(s) built in (0:24.53), 24539 msec / file, duration = 24866 msec, parallelization 0%  
Linking...  
LINK : C:\xxx.exe wurde nicht gefunden oder beim letzten inkrementellen Linkvorgang nicht  
erstellt; vollständiger Link wird durchgeführt.  
C:\xxx.exe (36285440 B) linked in (4:52.26)
```

I renamed the projekt file name to xxx because of privacy.  
I hope you get the errors, even if they're in german, or should I translate them in english?  
It says something like "file not found or not created on last incremental linking; full link will be done."  
And then you see, it takes almost 5 minutes just do link!

This is unacceptable, I hope you guys can help us.  
Thanks in advance and best wishes.

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Subject: Re: Upp links every time and takes minutes  
Posted by [nneilson](#) on Mon, 21 Oct 2013 09:16:01 GMT  
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Try several of the apps that comes with the Upp download and see if you have the same problem and the time it takes for each.

I have not run into the same problem you are having.  
If it is a problem with your setup or code it would be hard and unreasonable to correct in the core Upp code.

Can you write code for a short app and post it that shows the problem you are having?

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Subject: Re: Upp links every time and takes minutes  
Posted by [NilaT](#) on Mon, 21 Oct 2013 10:12:25 GMT

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Hi and thanks for your reply.

Well, I have the same issue on the upp provided apps, but they link much faster than our program. I think the main reason for this is the application size (we have thousands of files and lines).

Here are some outputs:

examples\Puzzle

```
----- CtrlLib ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 1 / 9 )
----- CtrlCore ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 2 / 9 )
----- Draw ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 3 / 9 )
----- plugin/bmp ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 4 / 9 )
----- RichText ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 5 / 9 )
----- Core ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 6 / 9 )
----- plugin/z ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 7 / 9 )
----- plugin/png ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 8 / 9 )
----- Puzzle ( GUI MAIN MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 9 / 9 )
```

Puzzle.cpp

Puzzle: 1 file(s) built in (0:01.88), 1887 msecs / file, duration = 1887 msecs, parallelization 0%

Linking...

LINK : C:\Work\GastroV2\devel\Output\MSC10.Debug.Debug\_Full.Gui\Puzzle.exe wurde nicht gefunden oder beim letzten inkrementellen Linkvorgang nicht erstellt; vollständiger Link wird durchgeführt.

C:\Work\GastroV2\devel\Output\MSC10.Debug.Debug\_Full.Gui\Puzzle.exe (4397568 B) linked in (0:03.02)

OK. (0:03.12)

examples\wc

```
----- Core ( MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 1 / 3 )
----- plugin/z ( MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 2 / 3 )
----- wc ( MAIN MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 3 / 3 )
```

wc.cpp

C:\Program Files\upp2\examples\wc\wc.cpp(11) : warning C4101: 'n': Unreferenzierte lokale Variable

wc: 1 file(s) built in (0:01.15), 1154 msecs / file, duration = 1154 msecs, parallelization 0%

Linking...

LINK : C:\Work\GastroV2\devel\Output\MSC10.Debug.Debug\_Full\wc.exe wurde nicht gefunden oder beim letzten inkrementellen Linkvorgang nicht erstellt; vollständiger Link wird durchgeführt.

C:\Work\GastroV2\devel\Output\MSC10.Debug.Debug\_Full\wc.exe (1550848 B) linked in (0:01.68)

OK. (0:01.74)

tutorial\Gui19

```
----- CtrlLib ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 1 / 9 )
----- CtrlCore ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 2 / 9 )
----- Draw ( GUI MSC10 DEBUG DEBUG_FULL BLITZ WIN32 MSC ) ( 3 / 9 )
```

----- plugin/bmp ( GUI MSC10 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 4 / 9 )  
----- RichText ( GUI MSC10 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 5 / 9 )  
----- Core ( GUI MSC10 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 6 / 9 )  
----- plugin/z ( GUI MSC10 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 7 / 9 )  
----- plugin/png ( GUI MSC10 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 8 / 9 )  
----- Gui19 ( GUI MAIN MSC10 DEBUG DEBUG\_FULL BLITZ WIN32 MSC ) ( 9 / 9 )

main.cpp

Gui19: 1 file(s) built in (0:01.98), 1981 msec / file, duration = 1981 msec, parallelization 0%

Linking...

LINK : C:\Work\GastroV2\devel\Output\MSC10.Debug.Debug\_Full.Gui\Gui19.exe wurde nicht gefunden oder beim letzten inkrementellen Linkvorgang nicht erstellt; vollständiger Link wird durchgeführt.

C:\Work\GastroV2\devel\Output\MSC10.Debug.Debug\_Full.Gui\Gui19.exe (4368896 B) linked in (0:03.26)

OK. (0:03.37)

Hope that helps?

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Subject: Re: Upp links every time and takes minutes

Posted by [NilaT](#) on Wed, 23 Oct 2013 09:22:50 GMT

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Okay, I recognized that it doesn't link EVERY time, but almost...

Here an update from right now:

xxx: 63 file(s) built in (0:55.70), 884 msec / file, duration = 57471 msec, parallelization 62%

Linking...

LINK : C:\xxx.exe wurde nicht gefunden oder beim letzten inkrementellen Linkvorgang nicht erstellt; vollständiger Link wird durchgeführt.

C:\xxx.exe (36297216 B) linked in (6:44.66)

OK. (6:52.85)

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Subject: Re: Upp links every time and takes minutes

Posted by [mirek](#) on Thu, 21 Nov 2013 14:44:13 GMT

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NilaT wrote on Wed, 23 October 2013 05:22: Okay, I recognized that it doesn't link EVERY time, but almost...

Here an update from right now:

xxx: 63 file(s) built in (0:55.70), 884 msecs / file, duration = 57471 msecs, parallelization 62%  
Linking...

LINK : C:\xxx.exe wurde nicht gefunden oder beim letzten inkrementellen Linkvorgang nicht  
erstellt; vollständiger Link wird dur  
chgeführt.

C:\xxx.exe (36297216 B) linked in (6:44.66)

OK. (6:52.85)

Hi,

first of all, this is non-critical error, rather warning.

What it really means is that incremental linking (which is supposed to speed-up link process) has  
failed to recognize the previous status of linking in .exe and/or .ilk files. Something made  
incremental linking "out-of-sync".

I guess that today, especially with SSD drives, the speed-up is mostly irrelevant. However, if you  
really want to get rid of it, you can try to delete target .exe and .ilk (linker will rebuild it then).

Mirek

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Subject: Re: Upp links every time and takes minutes

Posted by [Shire](#) on Thu, 26 Dec 2013 06:40:07 GMT

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I mean this is because target file timestamp changed.

NilaT, for better search matching you can turn your compiler messages locale to english, like  
here.

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Subject: Re: Upp links every time and takes minutes

Posted by [bushman](#) on Thu, 30 Jan 2014 18:55:06 GMT

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I was having the same issue, I deleted both the .exe and the .ilk files and linking got back into  
synchrony again. It works fine for me.

tk.

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