

## Wt - Bug #3390

### libharu not found (mingw, cmake)

06/27/2014 02:12 AM - Michael Shestero

<b>Status:</b>	Feedback	<b>Start date:</b>	06/27/2014
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.3.3		
<b>Description</b>			
I compiled and install libharu-libharu-ec89be4 into d:\libharu			
When I cmake-gui to compilee Wt I see:			
<pre>libharu libraries not found - set HARU_PREFIX [...] ** Disabling PDF support (WPdfImage, WPdfRenderer): requires libharu.     Indicate the location of your haru library using -DHARU_PREFIX=...</pre>			
But I indeed set HARU_PREFIX to d:/libharu.			
It even set HARU_LIB_RELEASE (libhpdfs.a) automatically.			
Note: there are only libhpdfs.a and libhpdf.dll.a but no libhpdfsd.a file in d:\libharu\lib\. There are no other files(!) (such as libharu*) - is it normal?			
I actually don't need debug. I tried to copy libhpdfs.a to libhpdfsd.a to fake it, but there was no effect.			

### History

#### #1 - 06/27/2014 08:30 PM - Wim Dumon

- Status changed from New to Feedback

The easiest work-around is probably to edit cmake/WtFindHaru.txt so that it only requires libhpdfs.a. With MSVS, it's important to link debug builds to debug builds of the library, that's why we require both release and debug builds of dependency libraries on Windows. I don't know if mingw has the same requirement.

BR,

Wim.

#### #2 - 06/30/2014 04:19 PM - Michael Shestero

I removed in cmake/WtFindHaru.txt libharu and changed libhpdf to libhpdfs.

Yet my cmake continued report that libharu isn't found.

I discovered this caused by the HARU\_SUPPORT\_LIBS\_FOUND variable, that seems to check m(?), PNG and ZLib libraries.

When I removed "AND HARU\_SUPPORT\_LIBS\_FOUND" from cmake/WtFindHaru.txt, the libharu was "found" by cmake configuration process.

But I've got compilation error:

```
[ 0%] Building CXX object src/CMakeFiles/wt.dir/Wt/WPdfImage.obj  
In file included from D:\var\wt-3.3.3\src\Wt\WPdfImage.C:13:0:  
D:/var/wt-3.3.3/src/Wt/WPdfImage:17:18: fatal error: hpdf.h: No such file or dir  
ectory  
compilation terminated.  
src\CMakeFiles\wt.dir\build.make:7549: recipe for target 'src/CMakeFiles/wt.dir/  
Wt/WPdfImage.obj' failed
```

What is my next steps?

The hpdf.h is in d:\libharu\include directory. How to specify this directory?

Note that HARU\_PREFIX is set.

PS I expect next trouble with linker.

**#3 - 06/30/2014 04:27 PM - Wim Dumon**

If you look in CMakeCache.txt in your build directory, does it contain HARU\_INCLUDE\_DIR? Is it set correctly?

BR,

Wim.

**#4 - 06/30/2014 04:39 PM - Michael Shestero**

Upd: sorry, I just discovered my HARU\_INCLUDE\_DIR was set to lib mistakenly. Now I'm trying again...

**#5 - 06/30/2014 07:44 PM - Michael Shestero**

Yes!

I built it.

Note that I had to edit cmake/WtFindHaru.txt to do it.