Subject: GLCtrl Linux dependency
Posted by Tom1 on Mon, 12 Apr 2021 07:52:45 GMT
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Hi,

I just compiled reference/OpenGL on Linux Mint for testing if pen works on GLCtrl. Well, the pen worked, but in order to compile this reference code (or anything else using GLCtrl), I had to install an additional dependency with:
sudo apt-get install libglu1-mesa-dev
So the question is: Should this be installed with default U++ POSIX installer? Or is it intentionally left out as it is not required for building TheIDE?

Best regards,

Tom

Subject: Re: GLCtrl Linux dependency
Posted by Xemuth on Wed, 14 Apr 2021 11:30:59 GMT
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Hello Tom1,

If I remember well, the fact you need to install mesa to allow openGL to work depend on your linux distribution.
Some come with everything to compile the GLCtrl example. I will give it a try on my debian to see if I encounter the same problem

Subject: Re: GLCtrl Linux dependency
Posted by Tom1 on Wed, 14 Apr 2021 12:55:27 GMT
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Hi Xemuth,

It's interesting to hear if Debian comes with GLU by default. (It is really just GLU needed by GLEW that is missing here.)

However, I guess this is mostly a policy question for U++ POSIX installation script maintainers to decide, if OpenGL dependencies required for GLCtrl should be included in the script or not. I.e. if it is enough to only satisfy dependencies for TheIDE and umk, or alternatively for all packages included in uppsrc.

Thanks and best regards,

Tom

Subject: Re: GLCtrl Linux dependency
Posted by mirek on Thu, 15 Apr 2021 06:57:51 GMT
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Tom1 wrote on Wed, 14 April 2021 14:55Hi Xemuth,

It's interesting to hear if Debian comes with GLU by default. (It is really just GLU needed by GLEW that is missing here.)

However, I guess this is mostly a policy question for U++ POSIX installation script maintainers to decide, if OpenGL dependencies required for GLCtrl should be included in the script or not. I.e. if it is enough to only satisfy dependencies for TheIDE and umk, or alternatively for all packages included in uppsrc.

Thanks and best regards,

Tom

Not, for simple reason: there are too many variations, it is hard enough to get theide requirements half-right...

Subject: Re: GLCtrl Linux dependency
Posted by Tom1 on Thu, 15 Apr 2021 07:54:09 GMT
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Hi Mirek,

Thanks for your words. It's fine with me it's not included by default. Just wanted to point it out just in case this was not the intended policy.

For those looking for missing dependencies on Ubuntu family of Linux systems may benefit from using dpkg command as follows to find the missing packages. Here's an example for finding a package containing GL/glu.h:
$ dpkg -S GL/glu.h
libglu1-mesa-dev:amd64: /usr/include/GL/glu.h

Best regards,

Tom