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Subject: : AmigaOS4

Topic: : Porting to AmigaOS4 thread

Re: Porting to AmigaOS4 thread

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Date: : 2021/4/19 15:11:40

URL:

@all

I have found a very strange linking error.

I did a test today and tried to compile ScummVM with -Os instead of -O3 and while the static version builds fine and produce a working exe, the shared version error in linking state with thousands (probably one for every source file) undefined references, like so

```
audio/softsynth/mt32/libmt32.a(SampleRateConverter.o): In function `
MT32Emu::SampleRateConverter::getBestAnalogOutputMode(double)':
SampleRateConverter.cpp:(.text+0x90): undefined reference to `_restfpr_30_x'
audio/softsynth/mt32/libmt32.a(SampleRateConverter.o): In function `MT32Emu::SampleRateConverter::Sampl
eRateConverter(MT32Emu::Synth&, double, MT32Emu::SamplerateConversionQuality)':
SampleRateConverter.cpp:(.text+0x160): undefined reference to `_restfpr_31_x'
audio/softsynth/mt32/libmt32.a(SampleRateConverter.o): In function `MT32Emu::SampleRateConverter::
getOutputSamples(short*, unsigned int)':
SampleRateConverter.cpp:(.text+0x2f8): undefined reference to `_restgpr_24_x'
gmake: *** [scummvm] Error 1
```

I dug a little on the net and found something mentioned from the gcc devs (but it was fixed in [2009](#) and the rest of the discussion went flying over my head),

Any hints?

Not that it really matters, i probably won't use -Os anyway since the save on binary size is a few tenthousand bytes on a 18 MB binary.

Just want to make sure there isn't something broken in our gcc.

@capehill

One more thing...you mentioned that using MAXPATHLEN might be suboptimal due to the path growing too big for the buffer.

Do you have a more robust solution?

btw: Thank you for still caring for my noob problems 😊