
Subject: libpq-fe.h in Alpine Linux
Posted by [Novo](#) on Sat, 28 Nov 2020 03:40:50 GMT
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libpq-fe.h in Alpine Linux is located in /usr/include.
This means it has to be included via #include <libpq-fe.h>.
Current POSIX version looks like #include <postgresql/libpq-fe.h>.
This breaks compilation.
It would be great to get this fixed.

TIA

Subject: Re: libpq-fe.h in Alpine Linux
Posted by [Novo](#) on Sat, 28 Nov 2020 17:38:42 GMT
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__GNU_LIBRARY__ is undefined in Alpine Linux.

Subject: Re: libpq-fe.h in Alpine Linux
Posted by [Novo](#) on Mon, 30 Nov 2020 16:22:48 GMT
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This is the only problem with Alpine Linux. It can be easily fixed with the code below.

```
#ifdef __GNU_LIBRARY__  
#include <postgresql/libpq-fe.h>  
#else  
#include <libpq-fe.h>  
#endif
```

Instead of

```
#ifdef PLATFORM_WIN32  
#include <libpq-fe.h>  
#elif defined(PLATFORM_POSIX)  
#include <postgresql/libpq-fe.h>  
#endif
```

TIA

Subject: Re: libpq-fe.h in Alpine Linux
Posted by [mirek](#) on Mon, 30 Nov 2020 17:15:31 GMT
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Novo wrote on Sat, 28 November 2020 18:38 __GNU_LIBRARY__ is undefined in Alpine Linux.

OH, ok, but I feel a bit uneasy to rely on that...

Interesting that pkg-config does not work...

Mirek

Subject: Re: libpq-fe.h in Alpine Linux
Posted by [Novo](#) on Mon, 30 Nov 2020 17:40:13 GMT
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[quote title=mirek wrote on Mon, 30 November 2020 12:15]Novo wrote on Sat, 28 November 2020 18:38

Interesting that pkg-config does not work...

Mirek

IMHO, the problem is unrelated to pkg-config. pkg-config doesn't fix cpp code ...
And `__GNU_LIBRARY__` is undefined because Alpine doesn't use glibc ...

Subject: Re: libpq-fe.h in Alpine Linux
Posted by [Novo](#) on Mon, 30 Nov 2020 18:42:30 GMT
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mirek wrote on Mon, 30 November 2020 12:15
Interesting that pkg-config does not work...

Actually, pkg-config works just fine. I just double-checked that.
I do not need to add an include path and a library to a build method.

Subject: Re: libpq-fe.h in Alpine Linux
Posted by [Novo](#) on Mon, 30 Nov 2020 19:17:04 GMT
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Useful c++17 feature: `__has_include` Preprocessor Expression

Subject: Re: libpq-fe.h in Alpine Linux
Posted by [mirek](#) on Tue, 01 Dec 2020 17:23:42 GMT
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Novo wrote on Mon, 30 November 2020 19:42mirek wrote on Mon, 30 November 2020 12:15
Interesting that pkg-config does not work...

Actually, pkg-config works just fine. I just double-checked that.

I do not need to add an include path and a library to a build method.

So maybe we just need to change to

```
#include <libpq-fe.h>
```

everywhere?

Mirek

Subject: Re: libpq-fe.h in Alpine Linux

Posted by [Novo](#) on Tue, 01 Dec 2020 17:34:04 GMT

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mirek wrote on Tue, 01 December 2020 12:23

So maybe we just need to change to

```
#include <libpq-fe.h>
```

everywhere?

Mirek

I checked that in Ubuntu.

It works

IMHO, we should do that.
