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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

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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.

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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

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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

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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 ...

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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.

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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

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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

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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.

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