Packages - Bug #1626

syscall number mismatch between glibc and linux-libre-api-headers on armv7h

2018-01-27 07:13 AM - oaken-source

Status:	fixed	**% Done:**	100%
Priority:	broken		
Assignee:			
Category:			

Description

on armv7h, /usr/include/bits/syscall.h defines SYS_mmap2 to __NR_mmap2:

```
$ grep mmap2 /usr/include/bits/syscall.h
#define SYS_mmap2 __NR_mmap2
#define SYS_mmap2 __NR_mmap2
$ pacman -Qo /usr/include/bits/syscall.h
/usr/include/bits/syscall.h is owned by glibc 2.26-10
```

but __NR_mmap2 is only defined in /usr/include/asm/unistd_32.h, which is not included on armv7h, as per /usr/include/asm/unistd.h:

```
# ifdef __i386__
#  include <asm/unistd_32.h>
# elif defined(__ILP32__)
#  include <asm/unistd_x32.h>
# else
#  include <asm/unistd_64.h>
# endif
```

both of which are part of linux-libre-api-headers:

```
$ pacman -Qo /usr/include/asm/unistd.h
/usr/include/asm/unistd.h is owned by linux-libre-api-headers 4.12.7_gnu-1
$ pacman -Qo /usr/include/asm/unistd_32.h
/usr/include/asm/unistd_32.h is owned by linux-libre-api-headers 4.12.7_gnu-1
```

I'm not sure what is going on there, but I think our linux-libre-api-headers appears to mismatch syscall numbers on arm? This currently causes the iceweasel build on arm to fail.

History

#1 - 2018-01-27 10:52 PM - ovruni

I have built linux-libre-api-headers for different architectures. Can you try build iceweasel again?

#2 - 2018-01-29 09:54 AM - oaken-source

this looks a lot better, thanks. now the iceweasel build fails for other reasons ;)

#3 - 2018-02-01 06:46 AM - oaken-source

- % Done changed from 0 to 100

- Status changed from open to fixed