Ports - Bug #1039

ARM: architecture not autodetected properly

2016-06-21 07:30 PM - GNUtoo

Status:	open	% Done:	0%
Priority:	bug		
Assignee:			
Category:			

Description

On my GTA04 which runs Parabola I have:

```
# uname -m
armv7l
```

This seem to be picked by pacman, and I'm required to force the architectuer to armv7h in /etc/pacman.conf like that:

```
Architecture = armv7h
```

History

#1 - 2016-08-20 02:24 AM - isacdaavid

- Status changed from open to fixed

We can't support auto-detection on armv7h without patching pacman.
As of pacman 5.0.1-4.parabola1.1 the right value is hard-coded in pacman.conf (only for armv7h)

#2 - 2016-08-20 03:57 AM - lukeshu

It would cause problems with migrating from ALARM, and it would mean recompiling everything, but isn't the KISS solution to just use "armv7l" as the architecture name in pacman?

#3 - 2016-08-20 06:12 AM - isacdaavid

- Status changed from fixed to open

lukeshu wrote:

> It would cause problems with migrating from ALARM, and it would mean recompiling everything, but isn't the KISS solution to just use "armv7l" as the architecture name in pacman?

Yes, it would be the proper solution if ALARM were to implement it. But I seriously doubt they are more willing to make a change this big than we are. Worth asking them anyway.

I'm uncomfortable marking this bug as fixed because it really isn't. Due to the lack of a better category I think I'll leave it open again.

#4 - 2018-11-28 02:44 PM - GNUtoo

I've looked again at this bug, and I've got an idea to try:

In Linux, uname -m seem to be set by UTS_MACHINE which seem to be set by ARCH. So it might be worth trying building linux-libre with make [...] ARCH=armv7h

However due I wasn't able to try that because of bug #2102

#5 - 2018-12-15 11:42 AM - GNUtoo

I tried to workaround other issues as well to build it and at the end this didn't work:

```
   if [ "$CARCH" = "armv7h" ]; then
+     export ARCH=armv7h
     make zImage modules dtbs htmldocs
```

resulted in:

```
| ==> Starting build()...
| Makefile:619: arch/armv7h/Makefile: No such file or directory
| make: *** No rule to make target 'arch/armv7h/Makefile'.  Stop.
| ==> ERROR: A failure occurred in build().
|     Aborting...
```