

Re: [PATCH 0/2] MN10300: Add the MN10300 architecture to Linux kernel [try #3]

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Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-11/msg02458.html>

- *From:* Adrian Bunk <bunk@xxxxxxxxxx>
 - *Date:* Thu, 8 Nov 2007 05:13:14 +0100
-

On Wed, Nov 07, 2007 at 05:43:23PM +0000, David Howells wrote:

These patches add the MEI/Panasonic MN10300/AM33 architecture to the Linux kernel.

The first patch suppresses AOUT support in the kernel if CONFIG_BINFMT_AOUT=n and CONFIG_IA32_AOUT=n. MN10300 does not support the AOUT binfmt, so the ELF binfmt should not be permitted to go looking for AOUT libraries to load, nor should random bits of the kernel depend on asm/a.out.h.

The second patch adds the architecture itself, to be selected by ARCH=mn10300 on the make command line.

The patches can also be downloaded from:

<http://people.redhat.com/~dhowells/mn10300/mn10300-arch.tar.bz2>

The patch to include/asm-generic/Kbuild.asm doesn't seem to be required.

```
+#elif defined(__mn10300__)
```

Please use a CONFIG_ variable in such cases.

The parts outside arch/mn10300/ and include/asm-mn10300/ (except for the trivial "&& {,!}MN10300" Kconfig changes) should go separately through the maintainers or get ACKs from the maintainers, even more since they also contain cleanups like

```
- .regions = {ERASEINFO(0x01000,64),  
+ .regions = {  
+ ERASEINFO(0x01000,64),  
}
```

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```
--- a/include/linux/kprobes.h
+++ b/include/linux/kprobes.h
...
+extern void __kprobes arch_remove_kprobe(struct kprobe *p);
```

This looks as if it will break compilation on avr32 and sparc64.

A suitable toolchain can be downloaded from:

<ftp://ftp.redhat.com/pub/redhat/gnupro/AM33/>

...

What is the status of support in upstream GNU binutils and GNU gcc?

David

cu
Adrian

"Is there not promise of rain?" Ling Tan asked suddenly out
of the darkness. There had been need of rain for many days.

"Only a promise," Lao Er said.

Pearl S. Buck – Dragon Seed

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