Subject: *SOLVED* compat_nanosleep_restart undeclared
Posted by wilf on Tue, 30 Jan 2007 06:57:18 GMT
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Hi All,

I have 'got around this' by using a kernel I patched a few days ago, but...

I am moving things around between machines, and needed to turn another machine into an OpenVZ server. This is on site at one of my customers. The boxes are dual opteron X2 machines, with LSI MegaRAID controllers. I use 64bit 2006.1 Gentoo.

I wasn't particularly bothered about this as I am now fairly used to being able top pull a working system together. I have just done exactly the same thing for one of my own servers - and it works a treat (although the hardware isn't quite as nice).

Hence I followed my usual approach:-
fetch the vanilla 2.6.18 kernel
fetch the kernel patches
fetch the kernel .config
Apply the patches
Configure the kernel

All AOK so far, until...

make the kernel
When I received
ff_dev linux-2.6.18.openvz # cat make.log
```
  CHK     include/linux/version.h
  CHK     include/linux/utsrelease.h
  CHK     include/linux/compile.h
  CC [M]  kernel/cpt/cpt_process.o
kernel/cpt/cpt_process.c: In function 'dump_one_process':
kernel/cpt/cpt_process.c:658: error: 'compat_nanosleep_restart' undeclared (first use in this
function)
kernel/cpt/cpt_process.c:658: error: (Each undeclared identifier is reported only once
kernel/cpt/cpt_process.c:658: error: for each function it appears in.)
make[2]: *** [kernel/cpt/cpt_process.o] Error 1
make[1]: *** [kernel/cpt] Error 2
make: *** [kernel] Error 2
```

I got around this by zipping up my own patched installation and installing it.

If I this is a real problem and I can help, I am happy to answer questions/do stuff.

Best Regards, Paul.

Subject: Re: compat_nanosleep_restart undeclared
Posted by dim on Tue, 30 Jan 2007 09:09:08 GMT
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Paul, please, try attached patch.

File Attachments
1) diff-cpt-compat-fix-20070130, downloaded 539 times

Subject: Re: compat_nanosleep_restart undeclared
Posted by wilf on Tue, 30 Jan 2007 09:48:14 GMT
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Hello Dmitry,

That was quick! read the patch, makes sense and gets a bit further...

```
ff_dev linux-2.6.18.openvz # patch -p1 < diff-cpt-compat-fix-20070130
patching file kernel/cpt/cpt_process.c
ff_dev linux-2.6.18.openvz # make
  CHK     include/linux/version.h
  CHK     include/linux/utsrelease.h
  CHK     include/linux/compile.h
  GEN     usr/initramfs_data.cpio.gz
  AS      usr/initramfs_data.o
  LD      usr/built-in.o
  CC [M]  kernel/cpt/cpt_process.o
  CC [M]  kernel/cpt/cpt_mm.o
  CC [M]  kernel/cpt/cpt_files.o
  CC [M]  kernel/cpt/cpt_kernel.o
  CC [M]  kernel/cpt/cpt_socket.o
  CC [M]  kernel/cpt/cpt_socket_in.o
  CC [M]  kernel/cpt/cpt_tty.o
  CC [M]  kernel/cpt/cpt_sysvipc.o
  CC [M]  kernel/cpt/cpt_net.o
  CC [M]  kernel/cpt/cpt_conntrack.o
  CC [M]  kernel/cpt/cpt_epoll.o
  CC [M]  kernel/cpt/cpt_ubc.o
  AS [M]  kernel/cpt/cpt_x8664.o
  CC [M]  kernel/cpt/rst_proc.o
  CC [M]  kernel/cpt/rst_undump.o
kernel/cpt/rst_undump.c: In function 'hook':
kernel/cpt/rst_undump.c:337: error: 'compat_nanosleep_restart' undeclared (first use in this
function)
kernel/cpt/rst_undump.c:337: error: (Each undeclared identifier is reported only once
kernel/cpt/rst_undump.c:337: error: for each function it appears in.)
make[2]: *** [kernel/cpt/rst_undump.o] Error 1
```

make[1]: *** [kernel/cpt] Error 2
make: *** [kernel] Error 2

Best Regards, Paul.

Subject: Re: compat_nanosleep_restart undeclared
Posted by wilf on Tue, 30 Jan 2007 09:55:22 GMT
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Hi Dmitry,

I applied the same patch to undump.c and Hey Presto! It compiles.

In "kernel/cpt/rst_undump.c", Line 336
```
/* #ifdef CONFIG_X86_64 // - old knackered code PWI 20070130 */
#if defined(CONFIG_X86_64) && defined(CONFIG_COMPAT)
                if (!ti->cpt_64bit)
                        current->thread_info->restart_block.fn = compat_nanosleep_restart;
#endif
```

Best Regards, Paul.
