
Subject: Compiling iscsitarget modules on 2.6.32-budarin

Posted by [glic3rinu](#) on Fri, 16 Jul 2010 13:53:26 GMT

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Hi!

I spend all day trying to compile the last dev svn iscsitarget module for the last openvz dev kernel, but I can't be able to do that

```
cd /usr/src/modules/  
svn co https://iscsitarget.svn.sourceforge.net/svnroot/iscsitarget iscsitarget
```

```
cd iscsitarget/trunk/  
make
```

....

```
make[1]: Leaving directory `/usr/src/modules/iscsitarget/trunk/usr'  
make -C /lib/modules/2.6.32-budarin.1/build SUBDIRS=/usr/src/modules/iscsitarget/trunk/kernel  
modules
```

```
make[1]: Entering directory `/lib/modules/2.6.32-budarin.1/build'
```

```
CC [M] /usr/src/modules/iscsitarget/trunk/kernel/tio.o  
In file included from include/linux/blkdev.h:6,  
    from /usr/src/modules/iscsitarget/trunk/kernel/iscsi.h:11,  
    from /usr/src/modules/iscsitarget/trunk/kernel/tio.c:7:  
include/linux/sched.h:50:36: error: asm/param.h: No such file or directory  
In file included from include/linux/capability.h:16,  
    from include/linux/sched.h:52,  
    from include/linux/blkdev.h:6,  
    from /usr/src/modules/iscsitarget/trunk/kernel/iscsi.h:11,  
    from /usr/src/modules/iscsitarget/trunk/kernel/tio.c:7:  
include/linux/types.h:4:23: error: asm/types.h: No such file or directory  
In file included from include/linux/types.h:14,  
    from include/linux/capability.h:16,  
    from include/linux/sched.h:52,  
    from include/linux/blkdev.h:6,  
    from /usr/src/modules/iscsitarget/trunk/kernel/iscsi.h:11,  
    from /usr/src/modules/iscsitarget/trunk/kernel/tio.c:7:
```

...

any idea about why those files are not there? (in asm/)

Thanks!!
marc

Subject: Re: Compiling iscsitarget modules on 2.6.32-budarin

Posted by [glic3rinu](#) on Sun, 18 Jul 2010 17:45:03 GMT

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I finally had success compiling the iscsi-target kernel module, building the kernel myself from sources, following the openvz indications. unfortunately when I start the iscsi-target daemon I get a fatal error related with loading crc32c_intel module (modprobe -q crc32c).

```
t1000:/# /etc/init.d/iscsi-target start
```

```
Starting iSCSI Target: ietdFATAL: Error inserting crc32c_intel
```

```
(/lib/modules/2.6.32.15/kernel/arch/x86/crypto/crc32c-intel. ko): No such device
```

```
t1000:/# modprobe -q crc32c
```

```
FATAL: Error inserting crc32c_intel (/lib/modules/2.6.32.15/kernel/arch/x86/crypto/crc32c-intel. ko): No such device
```

```
t1000:/# file /lib/modules/2.6.32.15/kernel/arch/x86/crypto/crc32c-intel.k o
```

```
/lib/modules/2.6.32.15/kernel/arch/x86/crypto/crc32c-intel.k o: ELF 64-bit LSB relocatable, x86-64, version 1 (SYSV), not stripped
```

with my Ubuntu (kernel 2.6.32) I can load the module without problems. Is this an openvz bug?

Subject: Re: Compiling iscsitarget modules on 2.6.32-budarin

Posted by [glic3rinu](#) on Sun, 18 Jul 2010 17:49:43 GMT

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with the debian version of the openvz kernel 2.6.32-5-openvz-amd64 the module crc32c load correctly.

Why this doesn't work with my self compiled kernel?

Subject: Re: Compiling iscsitarget modules on 2.6.32-budarin

Posted by [sipvoip](#) on Sun, 22 Aug 2010 23:06:21 GMT

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I am having the same problem compiling the latest SVN. Turns out the /lib/modules/2.6.32-budarin.1/build/include/asm directory has only 1 file in it!!!!

Where are all the asm files???

-Nathan
