
Subject: Re: kernel panic with megaraid_sas-v00.00.03.16-1 patch

Posted by [vaverin](#) on Tue, 20 May 2008 14:59:49 GMT

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First of all -- I would note that you need to build this driver by the same compiler that was used for the kernel build.

Do you have RHEL5 host OS? If not -- You need to create new Container based on this template, and install the kernel and kernel-devel packages -- it contains the Makefiles and headers required for the driver compilation.

Then you need take megaraid_sas-v00.00.03.16-src.tar.gz tarball, it is included into megaraid_sas-v00.00.03.16-1.noarch.rpm, in /usr/src/megaraid_sas-v00.00.03.16-1 directory.

Extract it by using "tar xvfz" command, cd to dkms_source_tree/ directory and look at the following files:

Makefile
megaraid_sas.c
megaraid_sas.h

Then you can compile the driver by using the following command:

```
make -C /lib/modules/<kernel version>/build \
SUBDIRS=<full_path_to_the_current_dir> modules
```

for example

```
# make -C /lib/modules/2.6.18-028stab053.10/build \
SUBDIRS=/root/dkms_source_tree/ modules
make: Entering directory `/usr/src/kernels/2.6.18-028stab053.6-i686'
CC [M] /root/dkms_source_tree/megaraid_sas.o
/root/dkms_source_tree/megaraid_sas.c: In function 'megasas_probe_one':
/root/dkms_source_tree/megaraid_sas.c:2650: warning: passing argument 2 of
'request_irq' from incompatible pointer type
/root/dkms_source_tree/megaraid_sas.c: In function 'megasas_resume':
/root/dkms_source_tree/megaraid_sas.c:2881: warning: passing argument 2 of
'request_irq' from incompatible pointer type
Building modules, stage 2.
MODPOST
CC /root/dkms_source_tree/megaraid_sas.mod.o
LD [M] /root/dkms_source_tree/megaraid_sas.ko
make: Leaving directory `/usr/src/kernels/2.6.18-028stab053.6-i686'
#
```

As you can see it generates some warnings but I think it is not an issue in our case.
