

NAME

aacraid - Adaptec AACRAID Controller driver

SYNOPSIS

To compile this driver into the kernel, place the following lines in your kernel configuration file:

```
device pci  
device aacraid
```

To compile in debugging code:

```
options AACRAID_DEBUG=N
```

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

```
aacraid_load="YES"
```

DESCRIPTION

The **aacraid** driver provides support for the Adaptec by PMC RAID controllers, including Series 6/7/8 and upcoming families.

The RAID containers are handled via the **aacraidp0** bus. The physical buses are represented by the **aacraidp?** devices (beginning with **aacraidp1**). These devices enable the SCSI pass-through interface and allows devices connected to the card such as CD-ROMs to be available via the CAM **scsi(4)** subsystem. Note that not all cards allow this interface to be enabled.

The */dev/aacraid?* device nodes provide access to the management interface of the controller. One node exists per installed card. If the *aacraid_linux.ko* and *linux.ko* modules are loaded, the Linux-compatible **ioctl(2)** interface for the management device will be enabled and will allow Linux-based management applications to control the card.

HARDWARE

Controllers supported by the **aacraid** driver include:

- ⊕ Adaptec ASR-6405(T|E)
- ⊕ Adaptec ASR-6445
- ⊕ Adaptec ASR-6805(T|E|Q|TQ)
- ⊕ Adaptec ASR-7085
- ⊕ Adaptec ASR-7805(Q)
- ⊕ Adaptec ASR-70165
- ⊕ Adaptec ASR-71605(E|Q)

- Adaptec ASR-71685
- Adaptec ASR-72405
- Adaptec Series 8 cards

FILES

/dev/aacraid? aacraid management interface

DIAGNOSTICS

Compiling with AACRAID_DEBUG set to a number between 0 and 3 will enable increasingly verbose debug messages.

The adapter can send status and alert messages asynchronously to the driver. These messages are printed on the system console, and are also queued for retrieval by a management application.

SEE ALSO

kld(4), linux(4), scsi(4), kldload(8)

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BUGS

The controller is not actually paused on suspend/resume.