

## RE: Adaptec SCSI RAID 2000S

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/RedHat/2007-10/msg00226.html>

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- *From:* "Sorin Srbu" <[sorin.srbu@xxxxxxxxxxxxxx](mailto:sorin.srbu@xxxxxxxxxxxxxx)>
  - *Date:* Tue, 23 Oct 2007 08:56:02 +0200
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Geoffrey Rainey <<mailto:Geoffrey.Rainey@xxxxxxxxxx>> scribbled on Monday, October 22, 2007 11:08 PM:

That's strange. I recently installed three machines with RHEL4u3 (which is rather old by now) with scsi-harddrives and using Adaptec 29320LPE-cards and had no problem with the OS seeing the cards and the connected harddrives. Anaconda correctly identified and used the adaptec 79xx drivers at boot and install.

I did however have serious problems continuing installation after the initial boot with the sata-cdrom drives. Turns out after a while that the settings in bios were set wrong for sata-drives; for some reason the sata was set to emulate pata and not native ahci-something (default settings in bios to emulate pata with sata-drives? Legacy settings?)... After changing that sata drives were correctly identified and correct drivers used.

In any case, I always set the "PnP-enabled OS" in bios to "yes". With linux this has always worked for me. Maybe you should try too and see if it makes a difference? YMMV of course and so on. 8-]

HTH.

Hello,

I recently had a similar problem installing RHEL5.0 on a box with an Adaptec 7901x controller.

To resolve I had to select "linux noprobe" during the install and explicitly select the required Drivers. In my case I needed the following drivers to get the kernel to recognize the scsi device:

I2o\_block  
Aic79xx (because my controller was a 7901x)

And also the tg3 (network driver, but didn't work, see below)

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After this the kernel could see the scsi driver and enabled me to install onto the scsi device.

However the same problem then emerged with the network driver and I couldn't seem to resolve

This by explicitly specifying the tg3 driver during install, so I installed RHEL5 anyway minus network.

To resolve this I downloaded the latest kernel source from kernel.org and recompiled it enabling both the

Requisite drivers for the network card and the scsi device by compiling the drivers into the kernel

Itself – as opposed to LKM's.

So to summarise, the linux noprobe method allowed me to install the RHEL5 operating system onto

The scsi device by explicitly selecting the requisite scsi drivers (but without network), and a

kernel recompile of a generic kernel was necessary to get the network drivers to install as well

as the scsi drivers.

This was as interesting problem that despite logging a job with Redhat, the problem was unable to be

Resolved using the Redhat kernel even though I also unpacked the initrd image and verified that

All the drivers I needed were indeed contained in the image.

Let me know how you get on, and if you need more help with anything above.

Regards,  
Geoffrey Rainey.

-----Original Message-----

From: redhat-list-bounces@xxxxxxxxxxx

[mailto:redhat-list-bounces@xxxxxxxxxxx] On Behalf Of Johan Booyesen

Sent: Monday, 22 October 2007 9:09 p.m.

To: sorin.srbu@xxxxxxxxxxxxxxxx; General Red Hat Linux discussion list

Subject: RE: Adaptec SCSI RAID 2000S

I don't think management over here will go for CentOS. Besides, if CentOS is the same as Red Hat, I assume that it too will not have the driver I need..?

Thanks for the suggestion, though!

Johan

-----Original Message-----

From: redhat-list-bounces@xxxxxxxxxxx

RE: Adaptec SCSI RAID 2000S

[mailto:redhat-list-bounces@xxxxxxxxxx] On Behalf Of Sorin Srbu  
Sent: 22 October 2007 07:51  
To: 'General Red Hat Linux discussion list'  
Subject: RE: Adaptec SCSI RAID 2000S

Johan Booyesen <> scribbled on Friday, October 19, 2007 6:28 PM:

You should do fine with CentOS5 as a replacement for RHEL5. CentOS is binary compatible, a clone if you want, of RHEL. Only real difference (and the one I can care slightly about) is that CentOS has had all the RHEL-logos etc stripped and that it uses yum for updating instead of RHEL's up2date and the RHN.

I use CentOS myself for trying out stuff before deploying to our RHEL3/4 machines. So far so good. I also like the fact that CentOS is supported as long as RHEL is. Redhat will support v5 until 2011?), and since CentOS is basically the same thing as RHEL, the same will be true for support and updates for CentOS.

See this thread on the CentOS forums, it might help you decide:  
[http://www.centos.org/modules/newbb/viewtopic.php?topic\\_id=3107&forum=35](http://www.centos.org/modules/newbb/viewtopic.php?topic_id=3107&forum=35)  
. 8-)

[off-track]

I used Fedora before to try out stuff before, but thought the fast update-cycle was a bit too bleeding edge. I searched around a while and came across CentOS and haven't looked back since.

[on-track]

HTH.

Matt,

Good question, and a very valid point. But anyway, this box is kind of a test-lab Oracle server, and needs to be RHEL5 for that purpose. I believe it will be pretty heavily used, so virtualizing it won't happen – I'll bet my last penny on that, and on the Springboks, by the way! :)

I think the next thing to do is to perhaps flash the Adaptec adapter's

BIOS to a newer version, and then see if the driver will load...I'm pretty certain that I've exhausted all other options for now.

Will see what the boss says on Monday...

RE: Adaptec SCSI RAID 2000S

Thanks very much for your reply.

Johan

-----Original Message-----

From: redhat-list-bounces@xxxxxxxxxxx

[mailto:redhat-list-bounces@xxxxxxxxxxx] On Behalf Of Matt

Sent: 19 October 2007 17:18

To: 'General Red Hat Linux discussion list'

Subject: RE: Adaptec SCSI RAID 2000S

Perhaps this is not the answer you are looking for, but maybe you can install another distro (Fedora or an older CENTOS) to get driver support. Also, could using a virtual server work? I am just wondering if you can place something like CENT as the host OS then run VMWare and maybe

create a virtual machine with RHEL5? Perhaps this VM will not require

direct hardware support for the controller? You might be able to virtualize part of your infrastructure as well and run a legacy OS which supports your controller – then, include this box in the virtual

infrastructure.

Maybe the real question is why is it that you need to run RHEL5 on a 4

year old box? I am not saying there is a problem with it, but is it essential that REHL5 is run on this one?

Just some thoughts for you...

-----Original Message-----

From: redhat-list-bounces@xxxxxxxxxxx

[mailto:redhat-list-bounces@xxxxxxxxxxx]

On Behalf Of Andrew Bacchi

Sent: Friday, October 19, 2007 11:41 AM

To: General Red Hat Linux discussion list

Subject: Re: Adaptec SCSI RAID 2000S

I hope you've already solved this problem. Have you checked the Adaptec web site for a Linux driver? If anyone has one, it would be the OEM.

RE: Adaptec SCSI RAID 2000S

Johan Booyesen wrote:

I urgently need advice on this: I need to install RHEL5 on a server that is probably about 4 years old. It contains an Adaptec SCSI RAID

2000S adapter, and there is no driver available that I can track down

on short notice (and none included on the RHEL5 discs). Anaconda does not detect any disks on the server during installation.

Anyone know what my best bet is to get around this, or where to find a driver that will work?

Thanks very much.

Johan

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