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Subject: Re: No module ata\_piix and raid found error?  
Posted by [Vasily Tarasov](#) on Wed, 14 Mar 2007 07:23:02 GMT  
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Hello,

you wrote:

Quote:We are using server with 4 GB ram but it shows only 3 GB.

The operating system is CentOS 4.4

Which kernel do we have to install to see 4 GB RAM

#uname -a

```
Linux 2.6.9-023stab040.1-smp #1 SMP Tue Jan 16 00:54:22 MSK 2007 i686 i686 i386 GNU/Linux
```

We tried installing the openvz but we got following error.

```
WARNING: No module ata_piix found for kernel 2.6.9-023stab040.1-smp,  
continuing anyway
```

```
WARNING: No module raid1 found for kernel 2.6.9-023stab040.1-smp, continuing  
anyway
```

Can anyone suggest which kernel we use to see 4 GB RAM and how to rectify these warning.

Actually, 32bit kernels can see 4Gb of RAM, but some chipsets map some gigabytes above the 4Gb limit, and then 32bit kernel can't see all the RAM. Here are the ways to solve the problem:

- 1) Some BIOSes have a trigger to map all the memory below 4Gb, without the hole. You can try to find it.
- 2) Use OpenVZ etnosplit kernel.
- 3) Use 64bit OS.

As concerns WARNINGS. They are OK, because these modules are incorporated in the kernel. So, don't worry.

HTH,  
Vasily.

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