Subject: OpenVZ & RAID
Posted by nt1303 on Sun, 25 May 2008 13:33:04 GMT
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Hello all,

I have mainboard Intel Server S5000VSA and installed Centos OS 5.1 work with driver on intel website. But it can not work on OpenVZ Kernel , error: kernel panic ...

Can you help fix it work with OpenVZ kernel ??

Raid: Intel® Embedded Server RAID Technology II

Thank You,
Ngoc Thang

Subject: Re: OpenVZ & RAID
Posted by azagzin on Sun, 25 May 2008 13:37:48 GMT
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do you compiled intel raid support in OpenVZ kernel ?

Subject: Re: OpenVZ & RAID
Posted by ugob on Sun, 25 May 2008 14:25:42 GMT
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Which openvz kernel have you tried?

Subject: Re: OpenVZ & RAID
Posted by nt1303 on Mon, 26 May 2008 09:32:04 GMT
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I used : Kernel RHEL5 2.6.18-53.1.19.el5 028stab053.14 released

Can you help me compile intel raid support in OpenVZ kernel ?

Thank You

Subject: Re: OpenVZ & RAID
Posted by khorenko on Mon, 26 May 2008 10:54:25 GMT

Hi.

Do you have a link to the sources of the driver you want to compile? Can you please post it?

Thanks,
Konstantin

Subject: Re: OpenVZ & RAID
Posted by ugob on Mon, 26 May 2008 12:30:30 GMT

Have you tried another kernel from here:

http://download.openvz.org/kernel/

Subject: Re: OpenVZ & RAID
Posted by paveo on Sun, 03 Aug 2008 12:26:15 GMT

I have this problem with newest kernel installed.

Subject: Re: OpenVZ & RAID
Posted by ugob on Sun, 03 Aug 2008 14:04:51 GMT

What would make most sense is to use software RAID. Intel raid is most likely fake RAID anyway.

Subject: Re: OpenVZ & RAID
Posted by paveo on Sun, 03 Aug 2008 14:08:51 GMT

So, now how can we get it support to OpenVZ?

Subject: Re: OpenVZ & RAID
Posted by ugob on Sun, 03 Aug 2008 22:41:39 GMT

If it is fake raid, it is rather useless to have it supported in the kernel. It adds complexity for no

reason.

Subject: Re: OpenVZ & RAID
Posted by khorenko on Mon, 04 Aug 2008 18:21:05 GMT

Hello guys,

just to clarify a little bit the term "fake raid":
http://linuxmafia.com/faq/Hardware/sata.html#fakeraid
Quote:Most ATA RAID host adapters (except 3Ware Escalade, Adaptec 24x0, Areca, HP/Compaq, IBM ServeRAID, Intel SRC*/ICP Vortex, LSI Logic MegaRAID 150-4/150-6, and Tekram) turn out, upon examination, to not be real hardware RAID, but rather software/BIOS-dependent fakeraid. (I.e., missing hardware functionality is traditionally emulated inside idiosyncratic, undocumented, and proprietary software drivers, to hit low price points). Fakeraid is difficult to support in Linux — absent either reverse-engineering, special proprietary drivers, or (rare) manufacturer cooperation. (HighPoint, LSI Logic, Nvidia, Promise, and VIA provide proprietary drivers to support their respective fakeraids. I personally would steer clear.)

Linux often cannot read existing fakeraid volumes on such host adapters, unless you're willing to use proprietary fakeraid drivers (where available). But unless you're dual-booting MS-Windows, you shouldn't care, because Linux's software RAID (kernel "md" driver) is much faster and more reliable. You're advised to blow away fakeraid volumes, use SATA drives as straight block devices, and enable Linux software RAID instead, during Linux installation.

So, just try to use native Linux software raid - it's nothing to worry about!

Hope that helps.

--
Konstantin