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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

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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 ?

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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?

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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

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Subject: Re: OpenVZ & RAID

Posted by [khorenko](#) on Mon, 26 May 2008 10:54:25 GMT

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Hi.

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

Thanks,  
Konstantin

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Subject: Re: OpenVZ & RAID  
Posted by [ugob](#) on Mon, 26 May 2008 12:30:30 GMT  
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Have you tried another kernel from here:

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

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Subject: Re: OpenVZ & RAID  
Posted by [paveo](#) on Sun, 03 Aug 2008 12:26:15 GMT  
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I have this problem with newest kernel installed.

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Subject: Re: OpenVZ & RAID  
Posted by [ugob](#) on Sun, 03 Aug 2008 14:04:51 GMT  
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What would make most sense is to use software RAID. Intel raid is most likely fake RAID anyway.

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Subject: Re: OpenVZ & RAID  
Posted by [paveo](#) on Sun, 03 Aug 2008 14:08:51 GMT  
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So, now how can we get it support to OpenVZ?

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Subject: Re: OpenVZ & RAID  
Posted by [ugob](#) on Sun, 03 Aug 2008 22:41:39 GMT  
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If it is fake raid, it is rather useless to have it supported in the kernel. It adds complexity for no

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reason.

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Subject: Re: OpenVZ & RAID

Posted by [khorenko](#) on Mon, 04 Aug 2008 18:21:05 GMT

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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.

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Konstantin

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