Subject: openvz hangs on boot on fujitsu-siemens blade rack unit (solved!)
Posted by eerov on Mon, 14 Apr 2008 10:37:49 GMT
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openvz hangs on boot on fujitsu-siemens blade rack unit.
After keyboard and mouse is detected, system just hangs / waits for ever.

Any solution to this. System is running 64bit version of centos 5.1 with latest stable openvz-kernel.
Blade is with 12GB of memory and fiber switch.

greetings,
eerov@welho.com

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Eero

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by OpenAdmin on Mon, 14 Apr 2008 22:07:02 GMT
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This sounds like a hardware issue and not an openvz issue since it never starts to boot, right? It doesn't even reach the boot loader?

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by eerov on Mon, 14 Apr 2008 22:19:02 GMT
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Bootloader loads and boots.

After kernel starts mouse and keyboard detection, after
that it just waits / hangs. Hard to say.

It works fine on pure centos 5.1 kernel, so I think this is openvz kernel issue.

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by OpenAdmin on Mon, 14 Apr 2008 23:00:23 GMT
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Did it ever worked or you just installed it and it never worked? Which kernel are you on?

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by eerov on Mon, 14 Apr 2008 23:05:21 GMT

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Well.

As I said, it is running latest (stable) openvz enterprise kernel for centos 5.1 (rhel).

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by drescherjm on Tue, 15 Apr 2008 09:30:53 GMT
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Did it work for any other (non openvz) kernel? How about a 2.6.18 kernel?

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by eerov on Tue, 15 Apr 2008 09:39:22 GMT
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It works on basic and updated Centos 5.1 kernel, so this looks to me like openvz kernel bug issue.

Currently looking way to track this down, or some boot parameter that allows me to boot openvz kernel.

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by drescherjm on Tue, 15 Apr 2008 13:26:42 GMT
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Do you know if the basic Centos 5.1 kernel is 2.6.18? I ask this because the stable openvz kernel is 2.6.18 and that is quite old. It is patched to fix bugs since 2.6.18 was introduced but it may not support your hardware if your hardware is very new. Also it could be a configuration settings difference between the two kernels.

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by maratrus on Tue, 15 Apr 2008 16:20:36 GMT
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Hello,

1. Could you please tell us the exact version of OpenVZ kernel you use? Where have you got it?

2. Could you please show us the messages you've got during the boot time?

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by eerov on Tue, 15 Apr 2008 16:59:15 GMT
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kernel is ovzkernel-ent-2.6.18-53.1.13.el5.028stab053.10
from official repo using yum.

I need to capture messages using digital camera or pen

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by drescherjm on Tue, 15 Apr 2008 17:06:36 GMT
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If you have access to a null modem cable you can easily set up a serial console to grab the boot messages.

http://wiki.sangoma.com/wanpipe-linux-system-debugging

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by eerov on Tue, 15 Apr 2008 17:09:26 GMT
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No, I can't since blade units don't have any serialports.

Any other way to debug this kernel?

It works on other machine, so I think that issue is hardware related. It works on standard kernel, so I think this is openvz related issue.

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit
Posted by maratrus on Wed, 16 Apr 2008 08:15:13 GMT
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Hello,

64bit OS and i386 kernel (vzkernel-ent-2.6.18-53.1.13.el5.028stab053.10.i686).

could you possibly try x86_64 kernel, please?

Subject: Re: openvz hangs on boot on fujitsu-siemens blade rack unit (solved)
Posted by eerov on Sun, 20 Apr 2008 13:44:44 GMT
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Thanks, it worked.

Anyway, looks like packaging bug since installin vzkernel-ent install wrong architechture (i686) kernel instead of amd64.