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Subject: Kernel 2.6.27 openvz hang after SCSI subsystem initialized.

Posted by [peace](#) on Fri, 17 Jul 2009 21:10:31 GMT

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Hello,

I use the vanilla 2.6.27 and the official openvz patch + aufs2 + squashfs (but I do not think the extra patch is causing problems).

- \* Compiled on Ubuntu hardy system using gcc 4.2.4-1ubuntu4
- \* Use the openvz config as based config, add some modules and change the stack size from 4k to 8k (tested with 4k as well, same symptom)
- \* Kernel boot and works without problem on a epc 900, and a asus laptop AMD Mobile sempron CPU, on a vmware on AMD dual core 64 bit (in 32 bit system).

\* tested by using kernel option

- lapic no change
- acpi=off no change
- pci=noms no change

Symptom: As the subject noted, after it prints 'SCSI subsystem initialized.' and nothing happens on screen. No OOPs messages, etc.; the kernel never gets to start init. It seems to hang in a loop inside the kernel. Use Alt + SysRQ + r and then Alt SysRQ + p to show register it prints (if acpi is disabled) something like EIP is at default\_idle+0x2f/0x40. If acpi is enabled it prints acpi\_default\_idle (that one I did not remember literally)

The same machine runs the 2.6.29.5 kernel with vserver patch smoothly, and the default fedora kernel 2.6.29 as well. It is a fedora 11 system using ext4 (so no way to go back < 2.27). It is old pentium3 900Mhz with only 512 MB of ram with a 'old' nvidia graphic card.

Any idea how to debug this? I want to run openvz on that machine but the latest patch only available for 2.6.27.

Thanks you in advance.

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Subject: Re: Kernel 2.6.27 openvz hang after SCSI subsystem initialized.

Posted by [peace](#) on Sun, 19 Jul 2009 06:50:46 GMT

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Well it seems the kernel related rather than OpenVZ patch as I tried with pure 2.6.27.24 same problem. But 2.6.29.5 works with that machine and no openvz patch for it I found yet?

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Subject: Re: Kernel 2.6.27 openvz hang after SCSI subsystem initialized.

Posted by [maratrus](#) on Mon, 20 Jul 2009 05:51:38 GMT

Hello Steve,

unfortunately there is no such a patch but don't you want have a try with RHEL5 based kernel. If the problem concerns a driver it might have already been fixed in RHEL5 kernel. What do you think?

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Subject: Re: Kernel 2.6.27 openvz hang after SCSI subsystem initialized.  
Posted by [peace](#) on Fri, 24 Jul 2009 21:52:04 GMT

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Will try to day and see how it goes, thanks

Not quite sure if RHEL5 kernel (I saw here is based on 2.6.18) has ext4, I doubt that ext4 is backported to 2.6.18 though, will search around to find out before trying.

This seems totally unrelated to openvz patch and even the kernel. It is because some initialisation in fedora 11 in initrd got hang and never return when trying to mount the root ext4 filesystem. If pass rootfstype=ext4 it works.

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Subject: Re: Kernel 2.6.27 openvz hang after SCSI subsystem initialized.  
Posted by [peace](#) on Fri, 25 Sep 2009 00:46:19 GMT

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This seems totally unrelated to openvz patch and even the kernel. It is because some initialisation in fedora 11 in initrd got hang and never return when trying to mount the root ext4 filesystem. If pass rootfstype=ext4 it works.

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Subject: Re: Kernel 2.6.27 openvz hang after SCSI subsystem initialized.  
Posted by [maratrus](#) on Fri, 25 Sep 2009 13:04:49 GMT

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Thank you very much for the provided information.

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