
Subject: [solved] problems booting openvz kernel on x86_64bit centos 5.2

Posted by [volotinene](#) on Mon, 11 Aug 2008 08:09:42 GMT

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I installed 2.6.18-53.1.19.315.028 stab053.14 following the wiki documentation on

Dell Poweredge 2950 server (intel x64 bit) with following result:

Booting 'CentOS(2.6.18-53.1.19.315.028 stab053.14)'

root(hd0,0)

Filesystem type is ext2fs, partition type 0x83

kernel /vmlinuz-2.6.18-53.1.19.e15.028stab053.14 ro root=LABEL=/ rhgb

quiet

[linux-bzImage, setup=0x1e00, size=0x168bb4]

initrd /initrd-2.6.18-53.1.19.e15.028stab053.14.img

[linux-initrd@0x37d95000, 0x25a0cc bytes]

Memory for crash kernel(0x0 to 0x0) notwithin permissible range

ACPI:Getting cpuindex for acpiid 0x5

ACPI:Getting cpuindex for acpiid 0x6

ACPI:Getting cpuindex for acpiid 0x7

ACPI:Getting cpuindex for acpiid 0x8

request_module:runaway loop modprobe binfmt_464c

request_module:runaway loop modprobe binfmt_464c

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request_module:runaway loop modprobe binfmt_464c

request_module:runaway loop modprobe binfmt_464c

It just hangs or crashes without any good error message.

Any clues or ways to debug this.

Same problems also exists on Centos 5.1 version.

Thanks,

Eero

Subject: Re: problems booting openvz kernel on x86_64bit centos 5.2

Posted by [khorenko](#) on Mon, 11 Aug 2008 08:30:30 GMT

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Hi Eero,

please, check what OpenVZ kernel architectures do you have installed at the moment:

```
# rpm -qa --queryformat "%{name} %{version} %{release} %{arch}\n" | grep kernel
```

i believe you have both 32bit and 64bit kernels installed at the moment and then this is the reason.

Please, remove 32bit kernel and reinstall 64bit kernel once more - this should help.

Hope this helps.

--

Konstantin

Subject: [SOLVED]Re: problems booting openvz kernel on x86_64bit centos 5.2
Posted by [volotinene](#) on Mon, 11 Aug 2008 10:13:27 GMT

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That worked, but why yum is installing i686 version also on x86_64 machine? packaging bug?

Subject: Re: [SOLVED]Re: problems booting openvz kernel on x86_64bit centos 5.2

Posted by [khorenko](#) on Mon, 11 Aug 2008 10:26:17 GMT

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well, this is not clear yet.

As far as i understand yum by design installs all arches that it sees, so probably this is a problem with repo hierarchy.

We'll check.

--

Konstantin

Subject: Re: [SOLVED]Re: problems booting openvz kernel on x86_64bit centos 5.2

Posted by [volotinene](#) on Mon, 11 Aug 2008 12:01:22 GMT

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Ok, that is fine. I also updated installation instructions (/on wiki), since using yum on 64bit creates nonworking system.

Subject: Re: [SOLVED]Re: problems booting openvz kernel on x86_64bit centos 5.2

Posted by [kir](#) on Tue, 12 Aug 2008 08:59:00 GMT

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Newer yum versions fixed this behaviour, for example this is what I see on Fedora 9 x86_64 system:

```
# yum install ovzkernel
```

```
...
```

```
Setting up Install Process
```

```
Parsing package install arguments
```

```
Resolving Dependencies
```

```
--> Running transaction check
```

```
---> Package ovzkernel.x86_64 0:2.6.18-92.1.1.el5.028stab057.2 set to be installed
```

```
--> Finished Dependency Resolution
```

Dependencies Resolved

```
=====
===
Package                Arch      Version                               Repository      Size
=====
===
Installing:
ovzkernel              x86_64    2.6.18-92.1.1.el5.028stab057.2    openvz-kernel-rhel5  20 M
```

Transaction Summary

```
=====
===
Install    1 Package(s)
Update    0 Package(s)
Remove     0 Package(s)
```

Total download size: 20 M

Is this ok [y/N]:

I have fixed a note in wiki describing that one needs to specify architecture manually.
