
Subject: virt_osrelease

Posted by [Valmont](#) on Thu, 23 Feb 2006 22:49:46 GMT

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What it can be?

```
# uname -a
```

```
Linux server.vs 2.6.8-022stab070-up #4 Thu Feb 23 20:39:22 MSK 2006 i686 i686 i386
```

```
GNU/Linux
```

```
# rpm -qa | grep vzctl
```

```
vzctl-lib-3.0.0-2
```

```
vzctl-3.0.0-2
```

```
# date
```

```
Fri Feb 24 01:46:25 MSK 2006
```

```
# vzctl --verbose start 105
```

```
Unable to open /usr/lib/vzctl/modules/: No such file or directory
```

```
Warning: configuration file for distribution trustix.3 not found default used
```

```
Starting VPS ...
```

```
Running: /usr/sbin/vzquota show 105
```

```
Running: /usr/sbin/vzquota on 105 -r 0 -b 1048676 -B 1153534 -i 200100 -l 220100 -e 0 -n 0 -s 0
```

```
Mounting root: /run/vz/root/105 /run/vz/private/105
```

```
VPS is mounted
```

```
Running: /usr/sbin/vzquota stat 105 -f
```

```
Running: vzquota setlimit 105 -b 1048576 -B 1153434 -i 200000 -l 220000 -e 0 -n 0
```

```
Adding IP address(es): 10.0.5.10
```

```
Running: /usr/lib/vzctl/scripts/vps-net_add
```

```
Running VPS script: /etc/sysconfig/vz-scripts/dists/scripts/redhat-add_ip.sh
```

```
FATAL: kernel too old
```

```
Setting CPU units: 1000
```

```
Set hostname: shell.vs
```

```
Running VPS script: /etc/sysconfig/vz-scripts/dists/scripts/redhat-set_hostname.sh
```

```
FATAL: kernel too old
```

```
VPS start in progress...
```

```
root@server /run/vz/private/111/etc# FATAL: kernel too old
```

```
root@server ~# vzctl enter 105
```

```
entered into VPS 105
```

```
FATAL: kernel too old
```

```
exited from VPS 105
```

```
# vzctl stop 105
```

```
Stopping VPS ...
```

```
Unable to stop VPS, operation timed out
```

Subject: Re: FATAL: kernel too old
Posted by [kir](#) on Fri, 24 Feb 2006 03:33:02 GMT
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Can you please try older vzctl version? Say, latest 2.7.0-x, and please report if it works or not.

This is probably a bug in vzctl due to latest changes, we will try to find it out as soon as next Monday.

Subject: Re: FATAL: kernel too old
Posted by [Valmont](#) on Fri, 24 Feb 2006 10:25:35 GMT
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I reboot (reset) in older kernel and make downgrade of vzctl. Start and stop all vpses. After what I reboot in new kernel, upgrade vzctl till newest version, and now it works.

Subject: Re: FATAL: kernel too old
Posted by [Valmont](#) on Sat, 25 Feb 2006 00:30:26 GMT
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I apologize. I have found a source of a problem.
It has begun, when I have made the following:

```
#echo 'FreeBSD 4.10-RELEASE-p2' > /proc/sys/kernel/virt_osrelease
```

In this connection a question. Whether it is possible to use it, and if yes, how?

From changelog of 2.6.8-022stab070.1:

diff-ve-virt-osrelease-20060220

Patch from Alexander, modified by Denis:

This patch virtualizes kernel version in `uname -a` and VPS /proc/version. it is inherited on VPS start from /proc/sys/kernel/virt_osrelease

Subject: Re: FATAL: kernel too old
Posted by [dev](#) on Sun, 26 Feb 2006 08:47:21 GMT
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It is possible to use this, but ELF loader checks kernel version to make sure that executables are compatible with kernel ABI.

So you cannot write `_any_` arbitrary text to this variable

It should be something like "2.x...".

For example, it should work fine with "2.6.8", "2.6.x-any-text", "2.4.X-..." and so on.

You can write "2.6.x FreeBSD 4.10-RELEASE-p"

Subject: Re: FATAL: kernel too old

Posted by [Valmont](#) on Wed, 30 Aug 2006 14:01:58 GMT

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Just another question.

Is it ok, what in vps'es we have both, and virt_osrelease and osrelease sysctl variables?

```
# sysctl -a | grep osrelease
```

```
error: "Invalid argument" reading key "net.ipv4.route.flush"
```

```
error: "Operation not permitted" reading key "kernel.cap-bound"
```

```
kernel.virt_osrelease = 2.6.18
```

```
kernel.osrelease = 2.6.8-022stab078-up
```

`uname -r` get his value from kernel.virt_osrelease, but I can just look right version of kernel from sysctl...

Subject: Re: FATAL: kernel too old

Posted by [Valmont](#) on Wed, 30 Aug 2006 14:03:36 GMT

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I really thought what

```
've0 kernel.virt_osrelease' = 'vps* kernel.osrelease.'
```

Subject: Re: FATAL: kernel too old

Posted by [dev](#) on Wed, 30 Aug 2006 14:49:39 GMT

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this feature was added not to fake people and make them believe they have different kernel, but rather some applications/glibc.

Subject: Re: virt_osrelease

Posted by [Valmont](#) on Wed, 30 Aug 2006 15:28:10 GMT

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Ok, understood.
