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Subject: Ovs problem with CPU E5-2620

Posted by [piplite](#) on Sat, 15 Jun 2013 22:31:57 GMT

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So here is an issue. I had a server running 30 vm.

Yesterday for some reason it went down with no indication of any error.

After powercycle all VMs were in mounted state and would not boot. Only 2-3 procs would show up when I did vzctl start VE.

NO kernel upgrade was performed at reboot. Same kernel that was running before reboot.

At the same moment simple w command started to show unreal numbers 30 seconds after reboot:

JCPU 416days

PCPU 208days

10 minutes later

JCPU 6879days

PCPU 0.00

At this point I have transferred all VMs out of there and started to play with latest vz kernels.

Server at the moment was running Centos 6. Server with the same absolute specs is sitting next to it and running 60 vms on Debian 6.

So I have decided to reinstall clean into Debian 6 since bugs were following me on all kernels I have tried.

Debian 6 it was. Reinstalled. When I booted initially, not problems and JCPU and PCPU in Debian. I installed openvz kernel from Debian repo. It's an old one 2.6.32-5-openvz-amd64. But running it there are no problems, but it does not have IPv6 and vswap, so no go.

I have even tried to install Proxmox kernel and still the same issue.

Below you can see kernels I have tried. VMs just would not boot with these kernels.

I have tried 59, 75, 76 - tables, 78 - 78.22 testing kernels. No luck.

Can someone please assist me or give directions to how to deal with this issue?

```
root@a-1:~# w
```

```
18:30:49 up 16 min, 1 user, load average: 0.19, 0.10, 0.03
```

```
USER  TTY  FROM          LOGIN@  IDLE  JCPU  PCPU  WHAT
```

```
root  pts/1  c-65-96-183-78.h 18:14  0.00s 13341days 0.00s w
```

```
### BEGIN /etc/grub.d/10_linux ###
```

```
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab078.22' --class debian --class gnu-linux
```

```
--class gnu --class os {
```

```
    insmod part_msdos
```

```
    insmod ext2
```

```
    set root='(hd0,msdos3)'
```

```
    search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
```

```
    echo 'Loading Linux 2.6.32-042stab078.22 ...'
```

```

    linux /vmlinuz-2.6.32-042stab078.22 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47
ro quiet
    echo 'Loading initial ramdisk ...'
    initrd /initrd.img-2.6.32-042stab078.22
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab078.22 (recovery mode)' --class debian
--class gnu-linux --class gnu --class os {
    insmod part_msdos
    insmod ext2
    set root='(hd0,msdos3)'
    search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
    echo 'Loading Linux 2.6.32-042stab078.22 ...'
    linux /vmlinuz-2.6.32-042stab078.22 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47
ro single
    echo 'Loading initial ramdisk ...'
    initrd /initrd.img-2.6.32-042stab078.22
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-19-pve' --class debian --class gnu-linux --class
gnu --class os {
    insmod part_msdos
    insmod ext2
    set root='(hd0,msdos3)'
    search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
    echo 'Loading Linux 2.6.32-19-pve ...'
    linux /vmlinuz-2.6.32-19-pve root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro quiet
    echo 'Loading initial ramdisk ...'
    initrd /initrd.img-2.6.32-19-pve
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-19-pve (recovery mode)' --class debian --class
gnu-linux --class gnu --class os {
    insmod part_msdos
    insmod ext2
    set root='(hd0,msdos3)'
    search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
    echo 'Loading Linux 2.6.32-19-pve ...'
    linux /vmlinuz-2.6.32-19-pve root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro single
    echo 'Loading initial ramdisk ...'
    initrd /initrd.img-2.6.32-19-pve
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-5-openvz-amd64' --class debian --class
gnu-linux --class gnu --class os {
    insmod part_msdos
    insmod ext2
    set root='(hd0,msdos3)'
    search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
    echo 'Loading Linux 2.6.32-5-openvz-amd64 ...'
    linux /vmlinuz-2.6.32-5-openvz-amd64 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro
quiet

```

```

echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-5-openvz-amd64
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-5-openvz-amd64 (recovery mode)' --class
debian --class gnu-linux --class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-5-openvz-amd64 ...'
linux /vmlinuz-2.6.32-5-openvz-amd64 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro
single
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-5-openvz-amd64
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-5-amd64' --class debian --class gnu-linux --class
gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-5-amd64 ...'
linux /vmlinuz-2.6.32-5-amd64 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro quiet
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-5-amd64
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-5-amd64 (recovery mode)' --class debian --class
gnu-linux --class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-5-amd64 ...'
linux /vmlinuz-2.6.32-5-amd64 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro single
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-5-amd64
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab078.22' --class debian --class gnu-linux
--class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-042stab078.22 ...'
linux /vmlinuz-2.6.32-042stab078.22 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro
quiet
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-042stab078.22

```

```

}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab078.22 (recovery mode)' --class debian
--class gnu-linux --class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-042stab078.22 ...'
linux /vmlinuz-2.6.32-042stab078.22 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro
single
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-042stab078.22
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab076.8' --class debian --class gnu-linux
--class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-042stab076.8 ...'
linux /vmlinuz-2.6.32-042stab076.8 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro quiet
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-042stab076.8
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab076.8 (recovery mode)' --class debian
--class gnu-linux --class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-042stab076.8 ...'
linux /vmlinuz-2.6.32-042stab076.8 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro single
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-042stab076.8
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab076.5' --class debian --class gnu-linux
--class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-042stab076.5 ...'
linux /vmlinuz-2.6.32-042stab076.5 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro quiet
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-042stab076.5
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab076.5 (recovery mode)' --class debian
--class gnu-linux --class gnu --class os {

```

```

insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-042stab076.5 ...'
linux /vmlinuz-2.6.32-042stab076.5 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro single
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-042stab076.5
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab075.2' --class debian --class gnu-linux
--class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-042stab075.2 ...'
linux /vmlinuz-2.6.32-042stab075.2 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro quiet
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-042stab075.2
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab075.2 (recovery mode)' --class debian
--class gnu-linux --class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-042stab075.2 ...'
linux /vmlinuz-2.6.32-042stab075.2 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro single
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-042stab075.2
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab059.7' --class debian --class gnu-linux
--class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc
echo 'Loading Linux 2.6.32-042stab059.7 ...'
linux /vmlinuz-2.6.32-042stab059.7 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro quiet
echo 'Loading initial ramdisk ...'
initrd /initrd.img-2.6.32-042stab059.7
}
menuentry 'Debian GNU/Linux, with Linux 2.6.32-042stab059.7 (recovery mode)' --class debian
--class gnu-linux --class gnu --class os {
insmod part_msdos
insmod ext2
set root='(hd0,msdos3)'
search --no-floppy --fs-uuid --set 7467b0db-a79e-4172-b9c2-ad24e12dc8dc

```

```
echo 'Loading Linux 2.6.32-042stab059.7 ...'  
linux /vmlinuz-2.6.32-042stab059.7 root=UUID=8ad6c18f-45ca-495c-a2f2-f60aef6bdb47 ro single  
echo 'Loading initial ramdisk ...'  
initrd /initrd.img-2.6.32-042stab059.7  
}  
### END /etc/grub.d/10_linux ###
```

Also this

## File Attachments

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1) [Screen Shot 2013-06-15 at 2.36.52 PM.png](#), downloaded 694 times

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