
Subject: Re: microcode_ctl-1.15.tar.gz incorporates broken microcode?
Posted by [Tigran Aivazian](#) on Thu, 02 Nov 2006 12:17:24 GMT
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Hello Konstantin,

This has been fixed in the latest version of the kernel device driver. So, upgrade your kernel and the message will go away.

Kind regards
Tigran

On Thu, 2 Nov 2006, Konstantin Khorenko wrote:

```
> Hello Tigran,
>
> i'm afraid there is something wrong with microcode in latest 1.15 archive, it
> fails to be loaded on at least 2 completely different nodes
> while microcode from 1.14 can be written successfully.
> Could you please have a look?
>
> [root@svconsole firmware]# microcode_ctl -u -f
> microcode_ctl-1.14/intel-ia32microcode-10May2006.txt
> microcode_ctl: writing microcode (length: 252928)
> microcode_ctl: microcode successfully written to /dev/cpu/microcode
>
> [root@svconsole firmware]# dmesg | tail -n 3
> IA-32 Microcode Update Driver: v1.14 <tigran@veritas.com>
> microcode: CPU0 already at revision 0xe (current=0xe)
> microcode: No new microdata for cpu 0
>
> [root@svconsole firmware]# microcode_ctl -u -f
> microcode_ctl-1.15/intel-ia32microcode-07Sep2006.txt
> microcode_ctl: writing microcode (length: 265216)
> microcode_ctl: error writing to '/dev/cpu/microcode' errno=22 (Invalid
> argument)
> microcode_ctl: there may be messages from the driver in your system log.
>
> [root@svconsole firmware]# dmesg |tail -n 6
> IA-32 Microcode Update Driver: v1.14 <tigran@veritas.com>
> microcode: CPU0 already at revision 0xe (current=0xe)
> microcode: No new microdata for cpu 0
> microcode: CPU0 already at revision 0xe (current=0xe)
> microcode: error! Bad data in microcode data file
> microcode: Error in the microcode data
>
> [root@svconsole firmware]# ls -Flai /dev/cpu/microcode
> 9658 crw----- 1 root 10, 184 Nov 2 09:37 /dev/cpu/microcode
```

```
>
> [root@svconsole firmware]# md5sum microcode_ctl-1.15.tar.gz
> microcode_ctl-1.15/intel-ia32microcode-07Sep2006.txt
> 9c8e602295a55260aee2c2f1c701ac09 microcode_ctl-1.15.tar.gz
> 30e65074b4e9c0a43ef7a07d22a62506
> microcode_ctl-1.15/intel-ia32microcode-07Sep2006.txt
>
> [root@svconsole firmware]# uname -a
> Linux svconsole 2.6.9-34.EL #1 Fri Feb 24 16:44:51 EST 2006 i686 i686 i386
> GNU/Linux
>
> [root@svconsole firmware]# cat /proc/cpuinfo
> processor      : 0
> vendor_id      : GenuineIntel
> cpu family     : 6
> model          : 7
> model name     : Pentium III (Katmai)
> stepping       : 3
> cpu MHz        : 501.193
> cache size     : 512 KB
> fdiv_bug       : no
> hlt_bug        : no
> f00f_bug       : no
> coma_bug       : no
> fpu            : yes
> fpu_exception  : yes
> cpuid level    : 2
> wp            : yes
> flags          : fpu vme de pse tsc msr pae mce cx8 mtrr pge mca cmov pat
> pse36 mmx fxsr sse
> bogomips       : 1003.29
>
> Please, let me know if you need any other info.
>
> Thank you!
>
> --
> Best regards,
> Konstantin Khorenko
>
> SWsoft Virtuozzo/OpenVZ Linux kernel team
>
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