
Subject: microcode_ctl-1.15.tar.gz incorporates broken microcode?

Posted by [khorenko](#) on Thu, 02 Nov 2006 08:06:19 GMT

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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 -l /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!

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Best regards,
Konstantin Khorenko

SWsoft Virtuozzo/OpenVZ Linux kernel team
