
Subject: Re: /dev/fd/3

Posted by [Steve Hodges](#) on Tue, 14 Aug 2007 14:40:44 GMT

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thank you

The really strange thing is that I'm damn sure I had this working at least once before. I wonder if I managed to snag a different version of the template when I rebuilt the server?

Anyway, that's fixed now :-)

It still won't mount the dvd, but that's not a huge issue at present.

Steve

On 14/08/2007 7:30 PM, Matt Ayres wrote:

> The same bug exists in Virtuozzo, "ln -s /proc/self/fd /dev/fd"

> appears to be the fix.

>

> Reference: <http://www.tektonic.net/forum/showthread.php?t=1936>

>

> Steve Hodges wrote:

>> On 14/08/2007 1:58 AM, Gregor Mosheh wrote:

>>>

>>> Or perhaps your VE has maxed out the number of FDs it's allowed to

>>> have? Check the /proc/user_beancounters and see if anything there is

>>> happening to shed light on whether the failure is VE-related.

>>

>> Here is what I see, including the beancounters immediately after

>>

>> Executing 'mkisofs -C 106736,113120 -M /dev/fd/3 -R -J -pad

>> -graft-points /2007-08-14__12-07-50=/home/archive/image | builtin_dd

>> of=/dev/hdc obs=32k seek=7070'

>> genisoimage: No such file or directory. Cannot open '/dev/fd/3'.

>> Cannot open SCSI driver.

>> genisoimage: No such file or directory. Unable to open previous

>> session image '/dev/fd/3'.

>> :-(mkisofs has failed: 2

>> ***image written

>> ***error writing to DVD. You may need another DVD

>> root@backup:/# cat /proc/user_beancounters

>> Version: 2.5

>> uid resource held maxheld barrier

>> limit failcnt

>> 111: kmemsize 509969 691152 2752512

>> 2936012 0

>> lockedpages 0 8905 30000

```

>> 30000      0
>>      privmpages      1778      18792      100000
>> 200000      0
>>      shmpages        0        0      8192
>> 8192      0
>>      dummy          0        0        0
>> 0      0
>>      numproc        10        14        65
>> 65      0
>>      physpages      1112      9981        0
>> 2147483647      0
>>      vmguarpages      0        0      6144
>> 2147483647      0
>>      oomguarpages      1112      9981      6144
>> 2147483647      0
>>      numtcpsock      3        3      80
>> 80      0
>>      numflock        1        2      100
>> 110      0
>>      numpty          1        1      16
>> 16      0
>>      numsiginfo      0        2      256
>> 256      0
>>      tcpsndbuf        0        0      319488
>> 524288      0
>>      tcprcvbuf        0        0      319488
>> 524288      0
>>      othersockbuf      2220      2904      132096
>> 336896      0
>>      dgramrcvbuf      0        0      132096
>> 132096      0
>>      numothersock      2        4      120
>> 120      0
>>      dcachesize      0        0      1048576
>> 1097728      0
>>      numfile          237      317      2048
>> 2048      0
>>      dummy          0        0        0
>> 0      0
>>      dummy          0        0        0
>> 0      0
>>      dummy          0        0        0
>> 0      0
>>      numiptent        10        10      128
>> 128      0
>>
>> the lines flagged with *** come from my script.
>>

```

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>> the relevant lines of the script are:
>>
>> # create a path on the dvd
>> writedate=$(date +%Y-%m-%d__%H-%M-%S)
>>
>> # burn files to dvd (either new or append) in timestamped directory
>> # might be a good idea to log this fact too.
>> err=
>> case "$dvdstatus" in
>> blank)
>>   growisofs -Z /dev/hdc -R -J -pad -graft-points
>>   "/${writedate}=${image}" || err=Y
>>   ;;
>>
>> appendable)
>>   growisofs -M /dev/hdc -R -J -pad -graft-points
>>   "/${writedate}=${image}" || err=Y
>>   ;;
>>
>> *)
>>   echo Internal error deciding how to write to dvd
>>   exit 1
>>   ;;
>>
>> esac
>> echo image written
>>
>> # if error then send email and ask for new dvd (reporting error too)
>> if [[ "$err" == "Y" ]]; then
>>   echo error writing to DVD. You may need another DVD
>>   eject
>>   exit 1
>> fi
>>
>> (clearly the script isn't complete yet :-))
>>
>>>
>>>
>>>> I also find that whilst I have made /dev/hdc available to my VE, I
>>>> can't mount the cdrom. It tells me
>>>> mount: unknown filesystem type 'udf'
>>>> mount: unknown filesystem type 'iso9660'
>>>
>>> For a CDROM, iso9660 is usually appropriate. Are you sure that that
>>> module is already loaded in the hardware node? A lot of distros
>>> leave iso9660 as a module and VEs cannot load kernel modules.
>>>
>>> Do a "modprobe iso9660" in the HN, to ensure that the module is

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>>> loaded. Then try mounting the CD in the VE.
>>
>> modprobe iso9660 seems to work on the hardware node, however lsmod |
>> grep iso shown only
>> isofs                21348  0
>>
>> (which my googling suggests may actually be the right thing to see.)
>>
>> nevertheless, I can
>> mount -t iso9660 /dev/hdc /media/cdrom0
>> whereupon I get
>> mount: block device /dev/hdc is write-protected, mounting read-only
>> and df, in part, reports
>> /dev/hdc          458    458    0 100% /media/cdrom0
>> /etc/fstab on the HN contains:
>> /dev/hdc /media/cdrom0 udf,iso9660 user,noauto 0 0
>>
>> I then umount /dev/hdc and go into the ve (which has access to hdc
>> via vzctl set $1 --devnodes hdc:rw --save)
>> it's /etc/fstab looks like this:
>> # UNCONFIGURED FSTAB FOR BASE SYSTEM
>> /dev/hdc /media/cdrom0 udf,iso9660 user,noauto 0 0
>> if I do this:
>> mount -t iso9660 /dev/hdc /media/cdrom0
>> I get this:
>> mount: unknown filesystem type 'iso9660'
>>
>>
>>
>>>
>>>
```
