Subject: Re: /dev/fd/3
Posted by TheWiseOne on Tue, 14 Aug 2007 11:30:42 GMT
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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
>   privvmpages   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.
>
> 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
>> 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 me the right thing to see.)
>
> nevertheless, I can
> mount -t iso9660 /dev/hdc /media/cdrom0
> whereapon 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'
>
>
>
>>
>>