Subject: Re: /dev/fd/3
Posted by Steve Hodges on Tue, 14 Aug 2007 08:17:29 GMT

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'

>
>