pfSense - Bug #1786

NanoBSD auto upgrade fails

08/17/2011 10:09 AM - Bill Weidman

Status:	Rejected	**Start date:**	08/17/2011
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:			
Plus Target Version:		**Affected Version:**	
Release Notes:		**Affected Architecture:**	

Description

I installed
2.0-RC3 (i386) built on Tue Aug 16 20:24:26 EDT 2011
on a Netgate ALIX.2D3 / 2D13.
by dd the image to a 4GB flash card.

The system boots fine, and I configure it.

Then, I go to System > Firmware > Updater Settings and check the "Unsigned Images box"

Then I perform the auto update.

The upgrade fails with the following log:

NanoBSD Firmware upgrade in progress...

```
Installing /root/latest.tgz.
SLICE         2
OLDSLICE      1
TOFLASH       ad0s2
COMPLETE_PATH ad0s2a
GLABEL_SLICE  pfsense1
Wed Aug 17 09:03:38 EDT 2011

total 7
dr-xr-xr-x   7 root  wheel        512B Aug 17 08:40 .
drwxr-xr-x  24 root  wheel        512B Aug 17 08:40 ..
crw-r-----   1 root  operator    0,  56 Aug 17 08:40 ad0
crw-r-----   1 root  operator    0,  57 Aug 17 08:40 ad0s1
crw-r-----   1 root  operator    0,  60 Aug 17 08:40 ad0s1a
crw-r-----   1 root  operator    0,  58 Aug 17 08:40 ad0s2
crw-r-----   1 root  operator    0,  61 Aug 17 08:40 ad0s2a
crw-r-----   1 root  operator    0,  59 Aug 17 08:40 ad0s3
crw-------   1 root  operator    0,  28 Aug 17 08:40 ata
crw-------   1 root  wheel       0,  11 Aug 17 08:46 bpf
lrwxr-xr-x   1 root  wheel          3B Aug 17 08:40 bpf0 -> bpf
crw-----   1 root  tty         0,   5 Aug 17 09:03 console
crw-rw-rw-   1 root  wheel       0,  44 Aug 17 08:40 crypto
crw-rw-rw-   1 root  wheel       0,  10 Aug 17 08:40 ctty
crw-rw----   1 uucp  dialer      0,  35 Aug 17 08:40 cuau0
crw-rw----   1 uucp  dialer      0,  36 Aug 17 08:40 cuau0.init
crw-rw----   1 uucp  dialer      0,  37 Aug 17 08:40 cuau0.lock
crw-rw----   1 uucp  dialer      0,  41 Aug 17 08:40 cuau1
crw-rw----   1 uucp  dialer      0,  42 Aug 17 08:40 cuau1.init
crw-rw----   1 uucp  dialer      0,  43 Aug 17 08:40 cuau1.lock
crw-------   1 root  wheel       0,   4 Aug 17 08:40 devctl
cr--------   1 root  wheel       0,  55 Aug 17 08:40 devstat
dr-xr-xr-x   2 root  wheel        512B Aug 17 08:40 fd
crw-------   1 root  wheel       0,  13 Aug 17 08:40 fido
```

crw-r----- 1 root operator 0, 3 Aug 17 08:40 geom.ctl
crw------- 1 root wheel 0, 23 Aug 17 08:40 io
crw------- 1 root wheel 0, 6 Aug 17 08:40 klog
crw-r----- 1 root kmem 0, 15 Aug 17 08:40 kmem
dr-xr-xr-x 2 root wheel 512B Aug 17 08:40 led
crw-r----- 1 root operator 0, 70 Aug 17 08:40 md0
crw-r----- 1 root operator 0, 71 Aug 17 08:40 md1
crw------- 1 root wheel 0, 48 Aug 17 08:40 mdctl
crw-r----- 1 root kmem 0, 14 Aug 17 08:40 mem
crw------- 1 root kmem 0, 16 Aug 17 08:40 nfslock
crw-rw-rw- 1 root wheel 0, 25 Aug 17 09:03 null
crw-r--r-- 1 root wheel 0, 27 Aug 17 08:40 pci
crw-rw---- 1 root proxy 0, 45 Aug 17 08:40 pf
crw-rw-rw- 1 root wheel 0, 9 Aug 17 08:40 ptmx
crw-rw-rw- 1 root wheel 0, 7 Aug 17 08:40 random
crw------- 1 root wheel 0, 24 Aug 17 08:40 speaker
lrwxr-xr-x 1 root wheel 4B Aug 17 08:40 stderr ~~-> fd/2~~
~~lrwxr-xr-x 1 root wheel 4B Aug 17 08:40 stdin -> fd/0~~
~~lrwxr-xr-x 1 root wheel 4B Aug 17 08:40 stdout -> fd/1~~
~~crw-----~~ 1 root wheel 0, 32 Aug 17 08:40 ttyu0
crw------- 1 root wheel 0, 33 Aug 17 08:40 ttyu0.init
crw------- 1 root wheel 0, 34 Aug 17 08:40 ttyu0.lock
crw------- 1 root wheel 0, 38 Aug 17 08:40 ttyu1
crw------- 1 root wheel 0, 39 Aug 17 08:40 ttyu1.init
crw------- 1 root wheel 0, 40 Aug 17 08:40 ttyu1.lock
dr-xr-xr-x 2 root wheel 512B Aug 17 08:40 ufs
dr-xr-xr-x 2 root wheel 512B Aug 17 08:40 ufsid
lrwxr-xr-x 1 root wheel 9B Aug 17 08:40 ugen0.1 ~~-> usb/0.1.0~~
~~lrwxr-xr-x 1 root wheel 9B Aug 17 08:40 ugen1.1 -> usb/1.1.0~~
~~lrwxr-xr-x 1 root wheel 6B Aug 17 08:40 urandom -> random~~
~~dr-xr-xr-x 2 root wheel 512B Aug 17 08:40 usb~~
~~crw-r--r-~~ 1 root operator 0, 46 Aug 17 08:40 usbctl
crw------- 1 root operator 0, 47 Aug 17 08:40 xpt0
crw-rw-rw- 1 root wheel 0, 26 Aug 17 08:40 zero

~~rw-r--r-~~ 1 root wheel 67M Aug 17 09:02 /root/latest.tgz

MD5 (/root/latest.tgz) = 2e68f8e9f2d660041e4795e45e641b46

/dev/ufs/pfsense0 on / (ufs, local, noatime, synchronous)
devfs on /dev (devfs, local)
/dev/md0 on /tmp (ufs, local)
/dev/md1 on /var (ufs, local)
devfs on /var/dhcpd/dev (devfs, local)

last pid: 24592; load averages: 0.69, 0.25, 0.16 up 0+00:23:50 09:03:42
37 processes: 1 running, 36 sleeping

Mem: 30M Active, 86M Inact, 26M Wired, 184K Cache, 34M Buf, 92M Free
Swap:

```
PID USERNAME  THR PRI NICE   SIZE    RES STATE    TIME   WCPU COMMAND
36856 root        1  76    0 34140K 20424K accept   0:10  0.00% php
37059 root        1  76    0 33116K 18900K accept   0:08  0.00% php
45357 root        1  64   20  5564K  4000K kqread   0:01  0.00% lighttpd
49636 root        1  76   20  3656K  1420K wait     0:01  0.00% sh
25959 root        1  64   20  3316K  1336K select   0:00  0.00% apinger
34719 root        1  76    0 32092K 10000K wait     0:00  0.00% php
33866 root        1  76    0 32092K 10000K wait     0:00  0.00% php
18949 root        1  44    0  4944K  2388K select   0:00  0.00% syslogd
31781 dhcpd       1  64   20  8436K  6036K select   0:00  0.00% dhcpd
19705 root        1  44    0  5912K  2148K bpf      0:00  0.00% tcpdump
16407 root        1  76    0  3656K  1524K wait     0:00  0.00% sh
46386 root        1  76    0  3684K  1568K wait     0:00  0.00% login
33144 _ntp        1  64   20  3316K  1328K select   0:00  0.00% ntpd
46395 root        2  45    0  3532K  1192K nanslp   0:00  0.00% sshlockout_pf
  270 root        1  64   20  3408K  1140K kqread   0:00  0.00% check_reload_status
```

```
19975 root        1  44    0  3316K   892K piperd   0:00  0.00% logger
26893 nobody      1  64   20  5556K  2608K select   0:00  0.00% dnsmasq
22691 root        1  44    0  3436K  1384K select   0:00  0.00% inetd
```

NanoBSD upgrade starting

dd if=/dev/zero of=/dev/ad0s2 bs=1m count=1
1+0 records in
1+0 records out
1048576 bytes transferred in 0.436667 secs (2401316 bytes/sec)

/usr/bin/gzip -dc /root/latest.tgz | /bin/dd of=/dev/ad0s2 obs=64k
dd: /dev/ad0s2: short write on character device
dd: /dev/ad0s2: end of device
3595945+1043 records in
28097+1 records out
1841398272 bytes transferred in 458.704228 secs (4014348 bytes/sec)
After upgrade fdisk/bsdlabel

/sbin/fsck_ufs -y /dev/ad0s2a
fsck_ufs: /dev/ad0s2a: can't read disk label

- /dev/ad0s2a

CANNOT READ BLK: 3836192
CONTINUE? yes

THE FOLLOWING DISK SECTORS COULD NOT BE READ: 3836192, 3836193, 3836194,
ioctl (GCINFO): Inappropriate ioctl for device

File list:

Warning: file_get_contents(/conf/file_upgrade_log.txt): failed to open stream: No such file or directory in /usr/local/www/diag_nanobsd.php on line 236

Misc log:

Warning: file_get_contents(/conf/firmware_update_misc.log): failed to open stream: No such file or directory in /usr/local/www/diag_nanobsd.php on line 238

fdisk/bsdlabel log:

Before upgrade fdisk/bsdlabel

- Working on device /dev/ad0 *
  parameters extracted from in-core disklabel are:
  cylinders=7399 heads=16 sectors/track=63 (1008 blks/cyl)

Figures below won't work with BIOS for partitions not in cyl 1
parameters to be used for BIOS calculations are:
cylinders=7399 heads=16 sectors/track=63 (1008 blks/cyl)

Media sector size is 512
Warning: BIOS sector numbering starts with sector 1
Information from DOS bootblock is:
The data for partition 1 is:
sysid 165 (0xa5),(FreeBSD/NetBSD/386BSD)
start 63, size 3861585 (1885 Meg), flag 80 (active)
beg: cyl 0/ head 1/ sector 1;
end: cyl 758/ head 15/ sector 63
The data for partition 2 is:
sysid 165 (0xa5),(FreeBSD/NetBSD/386BSD)
start 3861711, size 3861585 (1885 Meg), flag 0
beg: cyl 759/ head 1/ sector 1;
end: cyl 493/ head 15/ sector 63
The data for partition 3 is:
sysid 165 (0xa5),(FreeBSD/NetBSD/386BSD)

start 7723296, size 102816 (50 Meg), flag 0
beg: cyl 494/ head 0/ sector 1;
end: cyl 595/ head 15/ sector 63
The data for partition 4 is:
<UNUSED>

1. /dev/ad0s1:
   type: unknown
   disk: amnesiac
   label:
   flags:
   bytes/sector: 512
   sectors/track: 63
   tracks/cylinder: 16
   sectors/cylinder: 1008
   cylinders: 3830
   sectors/unit: 3861585
   rpm: 3600
   interleave: 1
   trackskew: 0
   cylinderskew: 0
   headswitch: 0 # milliseconds
   track-to-track seek: 0 # milliseconds
   drivedata: 0

8 partitions:

1. size offset fstype [fsize bsize bps/cpg]
   a: 3861569 16 unused 0 0
   c: 3861585 0 unused 0 0 # "raw" part, don't edit
2. /dev/ad0s2:
   type: unknown
   disk: amnesiac
   label:
   flags:
   bytes/sector: 512
   sectors/track: 63
   tracks/cylinder: 16
   sectors/cylinder: 1008
   cylinders: 3830
   sectors/unit: 3861585
   rpm: 3600
   interleave: 1
   trackskew: 0
   cylinderskew: 0
   headswitch: 0 # milliseconds
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     drivedata: 0

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     a:  3861569       16    unused        0     0
     c:  3861585        0    unused        0     0         # "raw" part, don't edit
  2. /dev/ad0s2:
     type: unknown
     disk: amnesiac
     label:
     flags:
     bytes/sector: 512
     sectors/track: 63
     tracks/cylinder: 16
     sectors/cylinder: 1008
     cylinders: 3830
     sectors/unit: 3861585
     rpm: 3600
     interleave: 1
     trackskew: 0
     cylinderskew: 0
     headswitch: 0        # milliseconds
     track-to-track seek: 0    # milliseconds
     drivedata: 0

8 partitions:

  1. size   offset    fstype   [fsize bsize bps/cpg]
     a:  3861569       16    unused        0     0
     c:  3861585        0    unused        0     0         # "raw" part, don't edit
     -----------------------------------------------------------------
```

History

#1 - 08/17/2011 10:35 AM - Jim Pingle

- Status changed from New to Rejected

Auto upgrade works fine, I just tested it on my alix again. You may have a problem specific to your system or CF. Please post in the forum.

If it is determined that an actual bug exists, then a ticket can be opened.