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[\[SOLVED\] Rebooting on file copy due to file system damage.](#)

by [crazyrunner](#) » Sat Apr 10, 2010 8:27 pm

FreeNAS 0.7.1 (revision 5113) amd64-embedded
DELL PE1800 Intel(R) Xeon(TM) CPU 3.20GHz 8704MiB RAM

Total freenas newbie here. Just did first setup of freenas on this server. This server was formerly used as our VMWare ESX server so it still had loads of disk space and seemed a shame to waste.

Everything was going so well. Pretty simple setup - we have a aac raid card with 6 drives in a raid5. Also, the system has 2 intel nic I setup in loadbalance.

Now each time I try and copy files to the freenas server from my Windows XP workstation either through SMB or SSH (winscp), the freenas server crashes and reboots. Unfortunately, the errors fly by the screen so fast I can't see what happened before the reboot occurs. Where can I look in freenas can I look to find a log to figure out what is causing it to crash? I'm no stranger to the command line, just need to know where to look ☹

Thanks!

[Re: freenas auto rebooting on file copy](#)

by [crazyrunner](#) » Sat Apr 10, 2010 9:04 pm

An update...

No change after undoing the load balancing on the nic cards.

I've watched it happen a few more times and I was able to catch the end. It says something like auto rebooting in 15 seconds press any key to abort this. But it seems it actually waits about 1.5 seconds and smashing a key during that short window is either not possible or not working. Is there any way to disable to auto reboot via the configuration of the product?

Thanks in advance

crazyrunner

[Re: freenas auto rebooting on file copy](#)

by [danmero](#) » Sun Apr 11, 2010 12:17 am

Maybe you should post your configuration from <http://freenas.ip/status.php#config.xml>

[Re: freenas auto rebooting on file copy](#)

by [crazyrunner](#) » Sun Apr 11, 2010 3:18 am

Thank you for the suggestion. Here is the config.xml file...
I also just did a few hours of memtest86+ on the box and received no errors...

Code: [Select all](#)

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<freenas>
  <version>8.3</version>
  .
  .
  .
```

[Re: freenas auto rebooting on file copy](#)

by [danmero](#) » Sun Apr 11, 2010 3:48 am

- How did you transfer file via CIFS/Samba ? What user you try to use for transfer ?
- Did you boot from your RAID array ? Please post the output for
Code: [Select all](#)
df -h
- You didn't create any user, I see only the default **admin** and **transmission**.

PS, should ask you for full status.php page but sometimes that's too big for this forum.

[Re: freenas auto rebooting on file copy](#)

by [crazyrunner](#) » Sun Apr 11, 2010 1:37 pm

I have embedded installed on a usb stick and am booted from that device.

Code: [Select all](#)

```
$ df -h
Filesystem      Size  Used Avail Capacity  Mounted on
/dev/md0         92M   85M   7.6M   92%      /
devfs           1.0K   1.0K    0B   100%    /dev
/dev/da1a       40M   38M   2.7M   93%     /cf
procfs         4.0K   4.0K    0B   100%    /proc
/dev/da0p1     1.4T   3.0G   1.3T    0%     /mnt/data
/dev/md1       31M   720K   28M    2%     /var
```

You are correct about the users.

For CIFS/SMB: I setup with anonymous authentication and null passwords allowed, then browsed to the freenas server from my Windows XP workstation and tried to drag/drop file through Windows explorer the freenas share
For SSH: I setup allow root and then connected as root using Winscp and tried to copy a file to freenas.

In each case, as soon as the copy initiates, it reboot.

I've attached the entire status report as a zipped file to this message.

@ [Status Report.zip](#)

(19.12 KiB) Downloaded 20 times

[Re: freenas auto rebooting on file copy](#)

by [danmero](#) » Sun Apr 11, 2010 2:56 pm

I download the Status report but the zip file is corrupted.

- From df output your 1.5 TB disk is mounted correctly, but after too many crashes you must fsck the filesystem before doing anything else.

Code: [Select all](#)

```
fsck_ufs -pB /mnt/data
```

Note: Will take time(hours maybe) for one pass and sometimes you'll have to dooit again until FILE SYSTEM CLEAN

- After that go to **System|Advanced|rc.conf** and add/change **varsize > 64**
-

[Re: freenas auto rebooting on file copy](#)

by [crazyrunner](#) » Sun Apr 11, 2010 4:17 pm

That makes perfect sense. Running fsck now...

Here is gzipped version of the status file, maybe that will work better here.

@ [Status Report.htm.gz](#)

(19.02 KiB) Downloaded 20 times

Let me know if it works this time and if not, I'll pop a copy up on my website you can download via http. As for the zip file

corruption, I see what you are saying. I couldn't get it to download properly until I used Firefox. IE 8 chokes on it. Not sure what browser you are using...

Thanks again,
crazyrunner

[Re: freenas auto rebooting on file copy](#)

by [crazyrunner](#) » Sun Apr 11, 2010 5:07 pm

After 1st run... Do I need to execute the fsck differently based on this output?

Code: [Select all](#)

```
freenas:~# fsck_ufs -pB /mnt/data

/mnt/data: INCORRECT BLOCK COUNT I=8 (1118112 should be 1115072) (CORRECTED)
/mnt/data: INCORRECT BLOCK COUNT I=9 (713632 should be 590528) (CORRECTED)
/mnt/data: INCORRECT BLOCK COUNT I=10 (718720 should be 0) (CORRECTED)
/mnt/data: INCORRECT BLOCK COUNT I=11 (715168 should be 0) (CORRECTED)
/mnt/data: INCORRECT BLOCK COUNT I=12 (788192 should be 0) (CORRECTED)
/mnt/data: INCORRECT BLOCK COUNT I=13 (746944 should be 0) (CORRECTED)
/mnt/data: INCORRECT BLOCK COUNT I=14 (96 should be 0) (CORRECTED)
/mnt/data: DIRECTORY CORRUPTED I=2 OWNER=root MODE=40777
/mnt/data: SIZE=1024 MTIME=Apr 10 19:30 2010
/mnt/data: DIR=/

/mnt/data: UNEXPECTED SOFT UPDATE INCONSISTENCY; RUN fsck MANUALLY.
```

*** UPDATE *** - will not run with -pB options so just running fsck_ufs /mnt/data this time

[Re: freenas auto rebooting on file copy](#)

by [danmero](#) » Sun Apr 11, 2010 5:54 pm

crazyrunner wrote:

Code: [Select all](#)

```
/mnt/data: UNEXPECTED SOFT UPDATE INCONSISTENCY; RUN fsck MANUALLY.
```

*** UPDATE *** - will not run with -pB options so just running fsck_ufs /mnt/data this time

Too dirty 🙄

You have to umount the filesystem and fsck_ufs

Code: [Select all](#)

```
umount -f /mnt/data
fsck_ufs -y /dev/da0p1
```

[Re: freenas auto rebooting on file copy](#)

by [crazyrunner](#) » Sun Apr 11, 2010 7:29 pm

Too dirty

You have to umount the filesystem and fsck_ufs

Yep, looks like it got blow'ed up real good 😄

Running now. So when it is done, should restart freenas server (which would mount the partition) and confirm original fsck_ufs command you gave me comes back clean?

[Re: freenas auto rebooting on file copy](#)

by [crazyrunner](#) » Sun Apr 11, 2010 7:39 pm

Yep, it was bad...

Code: [Select all](#)

```
** /dev/da0p1
** Last Mounted on /mnt/data
** Phase 1 - Check Blocks and Sizes
** Phase 2 - Check Pathnames
DIRECTORY CORRUPTED I=2 OWNER=root MODE=40777
SIZE=1024 MTIME=Apr 10 19:30 2010
DIR=/

UNEXPECTED SOFT UPDATE INCONSISTENCY

SALVAGE? yes

** Phase 3 - Check Connectivity
** Phase 4 - Check Reference Counts
UNREF FILE I=12 OWNER=ftp MODE=100766
SIZE=403318334 MTIME=Apr 7 13:53 2010
RECONNECT? yes

NO lost+found DIRECTORY
CREATE? yes

UNREF FILE I=13 OWNER=ftp MODE=100766
SIZE=382216212 MTIME=Apr 7 13:57 2010
RECONNECT? yes

UNREF FILE I=14 OWNER=ftp MODE=100766
SIZE=399043070 MTIME=Apr 10 19:30 2010
RECONNECT? yes

** Phase 5 - Check Cyl groups
FREE BLK COUNT(S) WRONG IN SUPERBLK
SALVAGE? yes

SUMMARY INFORMATION BAD
SALVAGE? yes

BLK(S) MISSING IN BIT MAPS
SALVAGE? yes

16 files, 1205323 used, 755458715 free (35 frags, 94432335 blocks, 0.0% fragmentation)

***** FILE SYSTEM MARKED CLEAN *****

***** FILE SYSTEM WAS MODIFIED *****
```

I remounted the fs from the freenas gui and then confirmed everything ok:

Code: [Select all](#)

```
freenas:~# fsck_ufs -pB /mnt/data
/mnt/data: FILE SYSTEM CLEAN; SKIPPING CHECKS
/mnt/data: clean, 755458715 free (35 frags, 94432335 blocks, 0.0% fragmentation)
```

There was no entry in rc.conf for varsize, so I added varsize 128.

I'm going to reboot freenas and confirm filesystem is still ok then run test again... Fingers crossed.