

FreeNAS - Bug #8399

zeroing of end of disk needs a count

03/04/2015 08:24 PM - Frank Riley

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|----------------------------|-------------------------|----------------------------------|
| Status: | Closed: Not To Be Fixed | |
| Priority: | No priority | |
| Assignee: | William Grzybowski | |
| Category: | OS | |
| Target version: | N/A | |
| Seen in: | N/A | Needs Merging: Yes |
| Severity: | New | Needs Automation: No |
| Reason for Closing: | | Support Suite Ticket: n/a |
| Reason for Blocked: | | Hardware Configuration: |
| Needs QA: | Yes | ChangeLog Required: No |
| Needs Doc: | Yes | |

Description

There are several places in notifier.py that do the following:

```
size = get size of disk
...
# HACK: force the wipe at the end of the disk to always succeed. This
# is a lame workaround.
self._system("dd if=/dev/zero of=/dev/%s bs=1m oseek=%s" % (
    devname,
    size / 1024 - 4,
))
```

Since count is not specified, it happily tries to continue writing past the end of the disk, which results in an error. Setting count=4 fixes this.

History

#1 - 03/04/2015 09:25 PM - Jordan Hubbard

- Assignee set to William Grzybowski
- Target version set to Unspecified

#2 - 03/05/2015 02:47 AM - William Grzybowski

Why is that a problem? we dont check for exit status code?

#3 - 03/05/2015 02:47 AM - William Grzybowski

- Status changed from Unscreened to Screened

#4 - 03/05/2015 07:09 AM - Frank Riley

The comment indicates the author wanted to check the return status, but didn't know why it was failing. I think this code is clearing the secondary GPT info. Should the code fail if that can't be cleared?

#5 - 03/05/2015 07:29 AM - William Grzybowski

Looking at the git log, you can see this:

```
+ # HACK: force the wipe at the end of the disk to always succeed. This
+ # is a lame workaround.
self.__system("dd if=/dev/zero of=/dev/%s bs=1m oseek=`diskinfo %s `
- | awk '{print int($3 / (1024*1024)) - 4;}'`" % (devname, devname))
+ | awk '{print int($3 / (1024*1024)) - 4;}'` || :"' % (devname, devname))
```

The real reason for this comment was the "|| :"' to make sure the command returns true, because for some reason there was some check to ensure it succeeded.

I don't think this is longer the case.

#6 - 03/05/2015 07:46 AM - Frank Riley

Well, since the system call return status isn't checked, I don't see any reason to force a return status of true. The comment to me indicated the status mattered and could be returned correctly by adding the count parameter. If the intent was to ignore the status anyway, then the comment doesn't apply. I put this in as low priority because I couldn't discern what the intent was and figured someone on your end would know whether this is something to care about. If it's not, no big deal.

#7 - 03/05/2015 08:38 AM - William Grzybowski

- Status changed from Screened to Closed: Not To Be Fixed

It is not, thanks for pointing it out though.

#8 - 07/19/2017 09:10 AM - Kris Moore

- Category set to 129

- Target version changed from Unspecified to N/A

- Seen in changed from to N/A