

## FreeNAS - Bug #34969

### Properly handle dataset recordsize of 1M

06/14/2018 06:15 AM - Caleb St. John

<b>Status:</b> Done	
<b>Priority:</b> No priority	
<b>Assignee:</b> William Grzybowski	
<b>Category:</b> Middleware	
<b>Target version:</b> 11.2-BETA1	
<b>Seen in:</b> TrueNAS 11.1-U5	<b>Needs Merging:</b> No
<b>Severity:</b> Low	<b>Needs Automation:</b> No
<b>Reason for Closing:</b>	<b>Support Suite Ticket:</b> n/a
<b>Reason for Blocked:</b>	<b>Hardware Configuration:</b>
<b>Needs QA:</b> No	<b>ChangeLog Required:</b> No
<b>Needs Doc:</b> No	
<b>Description</b>	
on 11.1-U5, changing the recordsize of a dataset (from the GUI) doesn't reflect the change that has been made.	
To reproduce:	
1. create dataset	
2. during creation, click on advanced and set recordsize to 1024k	
3. double-click said dataset	
4. look at the recordsize and it will show (inherited)	
The webUI should show 1024K instead of inherited.	
This does, however, change the recordsize at the OS level.	
<pre>root@eye-02:~ # zfs get recordsize cargo-enc root@eye-02:~ # zfs get recordsize cargo-enc/recordsize NAME                PROPERTY  VALUE   SOURCE cargo-enc/recordsize recordsize 1M      local</pre>	
<b>Related issues:</b>	
Related to FreeNAS - Bug #35993: Format dataset recordsize correctly in new UI	<b>Done</b>

#### Associated revisions

##### Revision 2aa6e323 - 06/15/2018 08:34 AM - William Grzybowski

fix(gui): showing recordsize of 1M

Ticket: #34969

##### Revision dfa8f501 - 06/15/2018 09:38 AM - William Grzybowski

fix(gui): handle M recordsize

Pointed out by @yocaleb

Ticket: #34969

**Revision 02072273 - 06/15/2018 09:42 AM - William Grzybowski**

fix(gui): handle M recordsize

Pointed out by @yocalebo

Ticket: #34969

**Revision ce0785c8 - 06/15/2018 01:00 PM - William Grzybowski**

fix(gui): showing recordsize of 1M

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**Revision ce8228af - 06/15/2018 01:00 PM - William Grzybowski**

fix(gui): handle M recordsize

Pointed out by @yocalebo

Ticket: #34969

**Revision 3d8034a1 - 06/22/2018 12:27 PM - William Grzybowski**

fix(gui): showing recordsize of 1M

Ticket: #34969

**Revision 2920e89b - 06/22/2018 12:27 PM - William Grzybowski**

fix(gui): handle M recordsize

Pointed out by @yocalebo

Ticket: #34969

## History

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**#1 - 06/14/2018 06:20 AM - Caleb St. John**

- Description updated

**#2 - 06/14/2018 06:52 PM - Dru Lavigne**

- Project changed from TrueNAS to FreeNAS

- Subject changed from webUI doesn't update when changing recordsize of dataset to webUI doesn't update when changing recordsize of dataset

- Category changed from GUI to Middleware

- Assignee changed from Release Council to William Grzybowski

- Seen in changed from 11.1-U5 to TrueNAS 11.1-U5

- Migration Needed deleted (No)

- Hide from ChangeLog deleted (No)

- Support Department Priority deleted (0)

**#3 - 06/14/2018 06:52 PM - Dru Lavigne**

- Target version changed from Backlog to Backlog

**#4 - 06/15/2018 05:10 AM - William Grzybowski**

- Status changed from Unscreened to Blocked

- Reason for Blocked set to Need additional information from Author

I cannot reproduce this in our 11.2 Nightlies, so perhaps this was already fixed? Could you or someone else try in a newer version to confirm?

**#5 - 06/15/2018 08:13 AM - Michael Reynolds**

- Status changed from Blocked to Failed Testing

- Reason for Blocked changed from Need additional information from Author to Waiting for feedback

I created a new dataset named Bug-34969  
Changed the Record Size from "Inherit (128k)  
See 1RecordSizeDefault-2018-06-15.png  
to Record Size 1024K  
See 2RecordSize1024k-2018-06-15.png

Went into options to check dataset. The Record Size is Inherit (1048576)  
See 3RecordSizeInherit-1048576-2018-06-15.png

zfs get recordsize reports 1M  
see zfsReported-2018-06-15.png

1Mebibit equals 1024Kibibit  
1024Kibibit equals 1048576Bits

So it looks like there is a couple of bugs here.  
1st bug why is the new custom value listed as Inherit(1048576)  
Seems the Inherit() shouldn't be there as it's no longer inherited?

2nd "bug" is an issue with the unit of measure used to display the values.

Looks to me that everything is in Mebibit/Kibibit/Bits not the more "normal" Megabytes/Kilobytes/Bytes that most people expect.

It's fine to use the forms used, but we should spell the entire value out Kibibit, not K for example.

I'd say we could/should even have a warning or tooltip, and a userguide entry explaining the measurement used.

**#6 - 06/15/2018 08:17 AM - William Grzybowski**

Where are the screenshots?

**#7 - 06/15/2018 08:17 AM - William Grzybowski**

You also forgot to mention the version used for testing.

**#8 - 06/15/2018 08:19 AM - Michael Reynolds**

- File 1RecordSizeDefault-2018-06-15.png added
- File 2RecordSize1024k-2018-06-15.png added
- File 3RecordSizeInherit-1048576-2018-06-15.png added
- File zfsReported-2018-06-15.png added

Apologies forgot the screenshots  
This is using the latest FreeNAS nightly  
FreeNAS-11.2-MASTER-201806150444

**#9 - 06/15/2018 08:21 AM - William Grzybowski**

Michael Reynolds wrote:

Apologies forgot the screenshots  
This is using the latest FreeNAS nightly  
FreeNAS-11.2-MASTER-201806150444

We need it tested using legacy UI.

This is a TrueNAS ticket about 11.1-U5 (which is legacy UI).

**#10 - 06/15/2018 08:26 AM - William Grzybowski**

Caleb, can you confirm this only happens with 1024K, but not 256K nor 512K?

**#11 - 06/15/2018 08:35 AM - William Grzybowski**

- Status changed from Failed Testing to In Progress
- Target version changed from Backlog to 11.2-BETA1
- Reason for Blocked deleted (Waiting for feedback)
- Needs Merging changed from Yes to No

**#12 - 06/15/2018 08:43 AM - William Grzybowski**

<https://github.com/freenas/freenas/pull/1377>

**#13 - 06/15/2018 01:01 PM - William Grzybowski**

- Status changed from In Progress to Ready for Testing

**#14 - 06/15/2018 01:12 PM - Dru Lavigne**

- Subject changed from webUI doesn't update when changing recordsize of dataset to Properly handle dataset recordsize of 1M

**#15 - 06/26/2018 07:27 AM - Bonnie Follweiler**

- File Screen Shot 2018-06-26 at 10.23.20 AM.png added
- File Screen Shot 2018-06-26 at 10.24.17 AM.png added
- Status changed from Ready for Testing to Failed Testing

I created a dataset with a record limit of 1M  
In the old UI it shows Record Size 1M  
In the New GUI it shows Record size inherit (1048576)

**#16 - 06/26/2018 07:45 AM - Bonnie Follweiler**

- Status changed from Failed Testing to Passed Testing
- Needs QA changed from Yes to No

After talking to William - it Test Passed in FreeNAS-11.2-INTERNAL8  
I will create a new ticket to address the formatting in the new GUI

**#17 - 06/26/2018 11:49 AM - Dru Lavigne**

- Status changed from Passed Testing to Done

**#18 - 06/27/2018 01:24 PM - Dru Lavigne**

- Related to Bug #35993: Format dataset recordsize correctly in new UI added

**Files**

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2RecordSize1024k-2018-06-15.png	58.9 KB	06/15/2018	Michael Reynolds
1RecordSizeDefault-2018-06-15.png	64.5 KB	06/15/2018	Michael Reynolds
3RecordSizeInherit-1048576-2018-06-15.png	61.4 KB	06/15/2018	Michael Reynolds
zfsReported-2018-06-15.png	31.8 KB	06/15/2018	Michael Reynolds
Screen Shot 2018-06-26 at 10.23.20 AM.png	84.1 KB	06/26/2018	Bonnie Follweiler
Screen Shot 2018-06-26 at 10.24.17 AM.png	42.3 KB	06/26/2018	Bonnie Follweiler