

## FreeNAS - Feature #23140

### Improve Volume Manager

04/06/2017 09:43 AM - William Grzybowski

<b>Status:</b> Done	<b>Estimated time:</b> 40.00 hours
<b>Priority:</b> No priority	
<b>Assignee:</b>	
<b>Category:</b> GUI (new)	
<b>Target version:</b> Master - FreeNAS Nightlies	
<b>Severity:</b>	<b>Needs Merging:</b> Yes
<b>Reason for Closing:</b>	<b>Needs Automation:</b> No
<b>Reason for Blocked:</b>	<b>Support Suite Ticket:</b> n/a
<b>Needs QA:</b> Yes	<b>Hardware Configuration:</b>
<b>Needs Doc:</b> Yes	
<b>Description</b> Volume manager needs to be at least feature complete with 9 UI.  It needs the ability to create encrypted volumes and extend existing ones.  Safety belts to prevent user screw up their pool: - data disks can only be of the same type - disks of the same size for the same vdev  For a plus, auto configure pool layout for a given preset.	
<b>Subtasks:</b>	
Feature # 26980: Make Volume Manager more user friendly	<b>Resolved</b>
Feature # 27355: Need ability to extend existing volumes	<b>Resolved</b>

#### Associated revisions

##### Revision 11a034a8 - 09/27/2017 03:31 PM - Erin Clark

Initial commit of new tabular volume manager  
definitely works and handles tons of disks but needs some css and possible tweaking

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##### Revision 38810982 - 09/27/2017 06:04 PM - Erin Clark

Add titles to vdevs

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##### Revision 80dfd798 - 09/28/2017 04:57 PM - Erin Clark

Fix raidz option and make creation of cache and log vdevs work properly.

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##### Revision 16bcc039 - 09/29/2017 01:03 PM - Erin Clark

Allow regex searches on name AND capacity on volume manager disk table

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**Revision ed0ec906 - 09/29/2017 02:39 PM - Erin Clark**

Disable adding/removing cache and log vdevs (There can only be one!)

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**Revision 642c12b0 - 09/29/2017 03:04 PM - Erin Clark**

Add ability to add spares to a volume

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**Revision 348117cc - 10/03/2017 03:36 PM - Erin Clark**

Add data vdev type guessing based on number of disks to volume manager (similar to how the old volume manager does it)

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**Revision efea6e45 - 10/04/2017 05:14 PM - Erin Clark**

Add size estimates to data vdevs in the volume manager

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**Revision ef788f03 - 10/05/2017 03:40 PM - Erin Clark**

Move volume manager errors to the bottom (now you don't have to scroll up to see them)

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**Revision 5c51022e - 10/06/2017 02:28 PM - Erin Clark**

Disable/enable buttons for adding/removing disks and vdevs when these options are not available (i.e. disks aren't selected).

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**Revision f87e19f1 - 02/01/2018 03:24 PM - Erin Clark**

Fix layout and refreshing issues with the volume manager (some things appear to have changed with the table and other things)

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## History

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**#1 - 06/22/2017 09:27 AM - William Grzybowski**

- Assignee changed from William Grzybowski to Xin Tan

**#2 - 07/17/2017 10:48 AM - Xin Tan**

- Target version changed from 49 to 11.2-BETA1

**#3 - 09/27/2017 03:33 PM - Anonymous**

- Assignee changed from Xin Tan to Anonymous

**#4 - 01/24/2018 10:20 AM - Dru Lavigne**

- Status changed from Screened to Not Started

**#5 - 01/24/2018 10:20 AM - Dru Lavigne**

- Status changed from Not Started to In Progress

Erin: please mark as Done once this section of the UI is considered to be parity.

**#6 - 02/01/2018 04:47 PM - Anonymous**

- Status changed from In Progress to Done

The volume manager is up to feature parity and many of the things mentioned in this ticket are done but I am creating a separate ticket to track the safety belts. See <https://redmine.ixsystems.com/issues/28139>

**#7 - 02/02/2018 06:16 AM - Dru Lavigne**

- Target version changed from 11.2-BETA1 to Master - FreeNAS Nightlies