

FreeNAS - Feature #26806

Add API for managing datasets and zvols

11/22/2017 11:48 AM - ChenTao Wang

Status: Done	Estimated time: 0.00 hour
Priority: Important	
Assignee: William Grzybowski	
Category: Middleware	
Target version: 11.2-BETA1	
Severity: New	Needs Merging: No
Reason for Closing:	Needs Automation: No
Reason for Blocked:	Support Suite Ticket: n/a
Needs QA: No	Hardware Configuration:
Needs Doc: No	

Description

I added two properties in the "Advanced Mode" section of the GUI in: Volumes: Dataset/zvol: Edit Options: Advanced Mode.

So I need the changed API of "Get" and "Save" action of Dataset for new properties.

Options of "Snapshot directory" select box: { label: 'Visible', value: "0" }, { label: 'Invisible', value: "1" },

Options of "Copies" select box: { label: '1', value: "1" }, { label: '2', value: "2" }, { label: '3', value: "3" }

ID of "Snapshot directory" select box: 'snapdir'

ID of "Copies" select box: 'copies'

For example:

API response or parameter for request will be the following:

```
{ ....., "snapdir": 1, "copies": 2, ....., }
```

Related issues:

Related to FreeNAS - Feature #24734: Additional Dataset/ZVOL "Advanced Mode" ...

Resolved 06/20/2017

Related to FreeNAS - Bug #27431: Issues for API for "Edit Dataset"

Resolved 12/26/2017

Associated revisions

Revision b039b41c - 12/04/2017 10:05 AM - William Grzybowski

feat(middlewared/pool) add `pool.dataset` namespace with query and delete

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Revision db042c10 - 12/04/2017 12:45 PM - William Grzybowski

feat(middlewared/pool): add `pool.dataset.create`

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Revision cf36d614 - 12/05/2017 08:04 AM - William Grzybowski

feat(middlewared/pool): allow zvol to be created and add validation

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Revision b1b6eeef - 12/05/2017 11:28 AM - William Grzybowski

feat(middlewared/pool): first pass at `pool.dataset.update`

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Revision 5f832277 - 12/05/2017 11:33 AM - William Grzybowski

feat(middlewared/pool): use `str.lower` instead

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Revision cb0efc43 - 12/05/2017 12:42 PM - William Grzybowski

feat(middlewared): add `edit` operation to Patch schema

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Revision 70ac7fff - 12/05/2017 12:46 PM - William Grzybowski

feat(middlewared/pool): allow properties to inherit on update

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Revision 8aa4712a - 12/06/2017 03:40 AM - William Grzybowski

fix(middlewared/pool): few fixes to pool.dataset.update

- some attribute cannot be updated
- avoid code duplication adding INHERIT to attributes
- missing `inheritable` in iterable

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Revision 7a6a68c0 - 12/06/2017 03:54 AM - William Grzybowski

fix(middleware/pool): couple more fixes to `pool.dataset`

- setting `volblocksize` on create
- `volblocksize` is not allowed in update
- add docstring to `pool.dataset.update`

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Revision 103ec06a - 12/07/2017 08:46 AM - William Grzybowski

feat(middleware/pool): add `snapdir` and `copies`

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Revision ea875753 - 12/07/2017 09:03 AM - William Grzybowski

fix(middleware): Bool attribute should not have a default

Sometimes we need to know if a Bool has been provided by the user and it prevents that.

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History

#1 - 11/22/2017 11:50 AM - ChenTao Wang

- Related to Feature #24734: Additional Dataset/ZVOL "Advanced Mode" Properties: readonly, snapdir and copies added

#2 - 11/23/2017 03:55 AM - William Grzybowski

- Status changed from Unscreened to Screened

#3 - 12/06/2017 05:16 AM - William Grzybowski

- Status changed from Screened to Ready For Release

I have implemented websocket endpoints for that API, check `pool.dataset` namespace.

You can use `pool.dataset.query` to query for all attributes, `pool.dataset.create` to create dataset/zvol and `pool.dataset.update` to update properties.

#4 - 12/06/2017 07:31 AM - William Grzybowski

<https://github.com/freenas/freenas/pull/554>

#5 - 12/07/2017 08:15 AM - William Grzybowski

- Status changed from Ready For Release to Screened

Forgot to add `copies` and `snapdir` to update.

#6 - 12/07/2017 12:03 PM - William Grzybowski

- Status changed from Screened to Ready For Release

<https://github.com/freenas/freenas/pull/564>

#7 - 12/09/2017 11:17 AM - ChenTao Wang

- Related to deleted (Feature #24734: Additional Dataset/ZVOL "Advanced Mode" Properties: readonly, snapdir and copies)

#8 - 12/09/2017 11:18 AM - ChenTao Wang

- Related to Feature #24734: Additional Dataset/ZVOL "Advanced Mode" Properties: readonly, snapdir and copies added

#9 - 12/26/2017 12:36 PM - ChenTao Wang

- Status changed from Ready For Release to Screened

#10 - 12/26/2017 12:37 PM - ChenTao Wang

- Status changed from Screened to Ready For Release

#11 - 12/26/2017 12:46 PM - ChenTao Wang

- Related to Bug #27431: Issues for API for "Edit Dataset" added

#12 - 01/25/2018 07:48 AM - Ben Gadd

- Status changed from Ready For Release to Done

#13 - 01/25/2018 08:14 AM - Dru Lavigne

- Subject changed from Change an API for "Edit Dataset" to Add API for managing datasets and zvols

- Needs Doc changed from Yes to No

- Needs Merging changed from Yes to No

#14 - 05/02/2018 05:39 AM - Dru Lavigne

- Status changed from Done to Ready for Testing

#15 - 06/15/2018 09:27 AM - Zackary Welch

- Severity set to New

Currently working on testing these new API calls.

#16 - 06/15/2018 09:30 AM - William Grzybowski

Zackary Welch wrote:

Currently working on testing these new API calls.

This API is being used everywhere in new UI so I suppose we can skip QA on this ticket, given that those operations are working on new UI.

#17 - 06/15/2018 10:09 AM - William Grzybowski

- Needs QA changed from Yes to No

#18 - 06/15/2018 01:32 PM - Dru Lavigne

- Status changed from Ready for Testing to Done

Files

Screen Shot 2017-11-22 at 11.19.45 AM.png	222 KB	11/22/2017	ChenTao Wang
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