

FreeNAS - Feature #25825

Show resilvering progress in the GUI

09/08/2017 05:14 PM - John Smith

Status: Resolved	Estimated time: 0.00 hour
Priority: No priority	
Assignee: Nesma Shah	
Category: GUI (new)	
Target version: Master - FreeNAS Nightlies	
Severity: New	Needs Merging: Yes
Reason for Closing:	Needs Automation: No
Reason for Blocked:	Support Suite Ticket: n/a
Needs QA: Yes	Hardware Configuration:
Needs Doc: Yes	
Description GUI currently indicates when a drive is being resilvered. zfs status shows more useful information like how much data was processed and how much is left, and also percentage. These details could be useful in the GUI.	
Subtasks: Feature # 26373: Middleware events for scrub/resilver progress Resolved	
Related issues: Related to FreeNAS - Feature #25323: API function to retrieve resilvering pro... Resolved 07/26/2017	

History

#1 - 09/09/2017 05:50 AM - Dru Lavigne

- Related to Feature #25323: API function to retrieve resilvering progress added

#2 - 09/09/2017 05:50 AM - Dru Lavigne

- Category changed from 2 to GUI (new)

- Assignee changed from Release Council to Erin Clark

#3 - 10/16/2017 06:46 AM - Kris Moore

- Assignee changed from Erin Clark to Nesma Shah

- Target version set to 11.1

This should be discussed with the wider team, but I'm thinking if a resilver is active, we should have a new icon show up top right that has status message on click showing % finished, speed, etc.

#4 - 10/25/2017 09:34 AM - Kris Moore

For this issue, what I was thinking was adding a new "icon" to show up in the top right header, to the left of the language drop-down. It should show on-hover / click a small dialog (not modal) (Snackbar?) that shows the text "Resilvering <pool> - % Complete"

#5 - 10/25/2017 10:19 AM - Dru Lavigne

- Target version changed from 11.1 to Master - FreeNAS Nightlies

#6 - 10/26/2017 02:08 AM - Nesma Shah

- Status changed from Unscreened to 15

#7 - 11/01/2017 11:15 AM - Dru Lavigne

- Status changed from 15 to 46

Nesma: what feedback are you waiting for and who should provide it.

#8 - 11/01/2017 11:22 AM - Nesma Shah

- Status changed from 46 to Fix In Progress

Dru, I got answers from team and work is in Progress.

#9 - 11/17/2017 06:14 AM - Nesma Shah

The sub event doesn't bring response to the frontend, although it gets sent from the backend.

So which method to use, sub or subscribe?

#10 - 11/17/2017 06:14 AM - Nesma Shah

- Status changed from Fix In Progress to 15

#11 - 11/20/2017 12:18 PM - Dru Lavigne

- Status changed from 15 to Screened

#12 - 11/22/2017 08:01 AM - Nesma Shah

The sub event doesn't bring response to the frontend, although it gets sent from the backend.

So which method to use, sub or subscribe?

#13 - 11/22/2017 08:01 AM - Nesma Shah

- Status changed from Screened to 15

- Assignee changed from Nesma Shah to Lola Yang

#14 - 11/27/2017 04:40 PM - Lola Yang

Nesma Shah wrote:

The sub event doesn't bring response to the frontend, although it gets sent from the backend.

So which method to use, sub or subscribe?

william posted on <https://redmine.ixsystems.com/issues/26373>:

```
# midclt subscribe zfs.pool.scan
{"msg": "changed", "collection": "zfs.pool.scan", "fields": {"scan": {"function": "SCRUB", "state": "SCANNING", "start_time": {"$date": 1509127457000}, "end_time": {"$date": -10800000}, "percentage": 9.93536114692688, "bytes_to_process": 5535055872, "bytes_processed": 5535809536, "errors": 0, "bytes_issued": 550002688}, "name": "tank"}}
{"msg": "changed", "collection": "zfs.pool.scan", "fields": {"scan": {"function": "SCRUB", "state": "SCANNING", "start_time": {"$date": 1509127457000}, "end_time": {"$date": -10800000}, "percentage": 23.89168883304596, "bytes_to_process": 5535055872, "bytes_processed": 5535809536, "errors": 0, "bytes_issued": 1322598400}, "name": "tank"}}
{"msg": "changed", "collection": "zfs.pool.scan", "fields": {"scan": {"function": "SCRUB", "state": "SCANNING", "start_time": {"$date": 1509127457000}, "end_time": {"$date": -10800000}, "percentage": 39.56904709339142, "bytes_to_process": 5535055872, "bytes_processed": 5535809536, "errors": 0, "bytes_issued": 2190467072}, "name": "tank"}}
{"msg": "changed", "collection": "zfs.pool.scan", "fields": {"scan": {"function": "SCRUB", "state": "SCANNING", "start_time": {"$date": 1509127457000}, "end_time": {"$date": -10800000}, "percentage": 57.90712237358093, "bytes_to_process": 5535055872, "bytes_processed": 5535809536, "errors": 0, "bytes_issued": 3205627904}, "name": "tank"}}
```

```
{"msg": "changed", "collection": "zfs.pool.scan", "fields": {"scan": {"function": "SCRUB", "state": "SCANNING", "start_time": {"$date": 1509127457000}, "end_time": {"$date": -10800000}, "percentage": 74.374258518219, "bytes_to_process": 5535055872, "bytes_processed": 5535809536, "errors": 0, "bytes_issued": 4117217280}, "name": "tank"}}
{"msg": "changed", "collection": "zfs.pool.scan", "fields": {"scan": {"function": "SCRUB", "state": "SCANNING", "start_time": {"$date": 1509127457000}, "end_time": {"$date": -10800000}, "percentage": 92.5715982913971, "bytes_to_process": 5535055872, "bytes_processed": 5535809536, "errors": 0, "bytes_issued": 5124587520}, "name": "tank"}}
{"msg": "changed", "collection": "zfs.pool.scan", "fields": {"scan": {"function": "SCRUB", "state": "FINISHED", "start_time": {"$date": 1509127457000}, "end_time": {"$date": 1509127470000}, "percentage": 99.9863862991333, "bytes_to_process": 5535055872, "bytes_processed": 5535809536, "errors": 0, "bytes_issued": 5535055872}, "name": "tank"}}
```

#15 - 11/27/2017 04:41 PM - Lola Yang

- Status changed from 15 to Screened
- Assignee changed from Lola Yang to Nesma Shah

#16 - 11/28/2017 05:48 AM - Nesma Shah

- Status changed from Screened to Needs Developer Review
- Assignee changed from Nesma Shah to Lola Yang

<https://github.com/freenas/webui/pull/131>

#17 - 11/28/2017 02:16 PM - Lola Yang

- Status changed from Needs Developer Review to Screened
- Assignee changed from Lola Yang to Nesma Shah

I saw the icon shows when getting the response from middleware and then disappeared few seconds until next response gotten. I suggest making the icon shows all the way start from the resilver start and end of the resilver finished. And when clicking the icon, show the process/percentage of the task. Thanks.

#18 - 11/29/2017 03:20 AM - Nesma Shah

- Status changed from Screened to Needs Developer Review
- Assignee changed from Nesma Shah to Lola Yang

#19 - 11/29/2017 11:25 AM - Lola Yang

- Status changed from Needs Developer Review to Reviewed by Developer
- Assignee changed from Lola Yang to Nesma Shah

LGTM

#20 - 11/29/2017 11:27 AM - Dru Lavigne

- Status changed from Reviewed by Developer to Resolved