

FreeNAS - Bug #7424

geli: Provider zvol/mypool/gelizvol is invalid

01/07/2015 06:32 AM - Himan Zero

Status:	Resolved	
Priority:	Nice to have	
Assignee:		
Category:		
Target version:	N/A	
Seen in:	9.3-M3	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

I used to follow the section "18.12. Encrypting Disk Partitions" in the FreeBSD documents to create a geli encrypted zvol in my FreeNAS server under FreeNAS version 9.2.1.5. It worked fine. But someday, when I upgraded the system to 9.2.1.8, I suddenly found I could not attach the encrypted zvol anymore. Whatever I do, system shows the following message:

```
geli: Provider zvol/mypool/gelizvol is invalid.
```

I can replay the error in following steps under version 9.3 stable:

(Suppose my zpool is named as 'mypool' and I have created a zvol namely 'gelizvol'.)

Step one - initialize geli on gelizvol:

```
sudo geli init /dev/zvol/mypool/gelizvol
```

(For easy demonstration, I just press Enter twice to give a blank password)

Step two - attach the gelizvol

```
sudo geli attach zvol/mypool/gelizvol
```

(press Enter to give a blank password)

Then the system shows the error message:

```
geli: Provider zvol/mypool/gelizvol is invalid.
```

I have tried many times in 9.2.1.5 and such operation will complete without error but when I go back to the newer version, I constantly get such error message and cannot get my geli encrypted zvol back.

I'm not sure whether this is a bug or I have missed something.

History

#1 - 01/07/2015 07:14 AM - Josh Paetzel

- Status changed from Unscreened to Screened

We set volmode=2 in 9.2.1.8 in /boot/loader.conf

That is what is harshing your gig. Change it to 1 and you should be set.

I'm on my phone, the exact tunable is not volmode.

#2 - 01/07/2015 07:23 PM - Himan Zero

Thanks Josh. If that's not an option in the new version, is there any workaround for me to get back my data under 9.3 instead of falling back to 9.2.1.5? I've tried to set `vfs.zfs.vol.mode` to 1 in the tunable in GUI but after reset, the system cannot boot successfully.

Josh Paetzel wrote:

We set `volmode=2` in 9.2.1.8 in `/boot/loader.conf`

That is what is harshing your gig. Change it to 1 and you should be set.

I'm on my phone, the exact tunable is not `volmode`.

#3 - 01/07/2015 07:52 PM - Josh Paetzel

Alexander just fixed a kernel panic when setting the `volmode` to 1. Not sure if it's made it to an SU yet. I think not. It should be fixed in the nightly train. Otherwise wait for the next SU.

#4 - 01/10/2015 11:10 PM - Jordan Hubbard

- *Status changed from Screened to Resolved*

- *Target version set to Unspecified*

It's in the current SU. Please update and try this again.

#5 - 01/11/2015 05:35 AM - Himan Zero

Yes, it's resolved perfectly by the SU today. No kernel panic anymore to set `sysctl vfs.zfs.vol.mode=1`. I have successfully get back my data. Big thanks to the team!

#6 - 08/26/2016 01:51 PM - Kris Moore

- *Target version changed from Unspecified to N/A*