

## FreeNAS - Bug #35062

### Stop iocage jails before locking drive that contains jails

06/15/2018 12:19 PM - Zackary Welch

<b>Status:</b> Done	
<b>Priority:</b> No priority	
<b>Assignee:</b> Brandon Schneider	
<b>Category:</b> Middleware	
<b>Target version:</b> 11.2-BETA2	
<b>Seen in:</b> 11.2-BETA1	<b>Needs Merging:</b> No
<b>Severity:</b> Medium	<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>	
When locking a pool that has a jail currently up, I get an error when trying to lock the jail. The error's text is just "Error." This seems to be an error reporting problem with the middleware, but I don't know for sure. If I stop the jail first before locking then it works fine. Should the jail stop when locking the pool? At least the error should be more descriptive than just "Error".	
<b>Related issues:</b>	
Related to FreeNAS - Bug #30852: Start iocage jails after volume is unlocked	<b>Done</b>
Blocked by FreeNAS - Bug #37706: Fix bad caching on list_resource in Jails Wi...	<b>Done</b>

#### Associated revisions

##### Revision 1900bb66 - 06/18/2018 03:48 PM - Brandon Schneider

fix(storage/locking\_volumes): Stop iocage jails before doing so

This will make sure things can be restarted in a graceful state on unlock

Ticket: #35062

##### Revision 40ced66e - 07/10/2018 12:14 PM - Brandon Schneider

fix(storage/locking\_volumes): Stop iocage jails before doing so (#1395)

- fix(storage/locking\_volumes): Stop iocage jails before doing so

This will make sure things can be restarted in a graceful state on unlock

Ticket: #35062

- Address Williams Review

##### Revision 02703cff - 07/27/2018 06:23 PM - Brandon Schneider

fix(notifier/volume\_detach): Stop jails related to the volume

Previously it only handled one use case, this makes sure both the New and Old UI properly stop all jails related to a volume being detached. (Not just locked)

Ticket: #35062

**Revision f14b2ed0 - 07/30/2018 07:12 AM - Brandon Schneider**

tk-35062: fix(notifier/volume\_detach): Stop jails related to the volume (#1606)

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Ticket: #35062

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## History

**#1 - 06/15/2018 12:34 PM - Bonnie Follweiler**

- Related to Bug #30852: Start iocage jails after volume is unlocked added

**#2 - 06/15/2018 12:43 PM - Dru Lavigne**

- Assignee changed from Release Council to William Grzybowski

**#3 - 06/15/2018 12:46 PM - William Grzybowski**

- Assignee changed from William Grzybowski to Brandon Schneider

- Target version changed from Backlog to 11.2-BETA1

- Severity changed from Low Medium to Medium

**#4 - 06/18/2018 06:56 AM - Brandon Schneider**

- Status changed from Unscreened to Not Started

**#5 - 06/18/2018 02:36 PM - Brandon Schneider**

- Status changed from Not Started to In Progress

**#6 - 06/18/2018 03:48 PM - Brandon Schneider**

PR: <https://github.com/freenas/freenas/pull/1395>

**#7 - 06/19/2018 12:15 PM - Dru Lavigne**

- Target version changed from 11.2-BETA1 to 11.2-BETA2

**#8 - 07/10/2018 12:14 PM - Brandon Schneider**

- Status changed from In Progress to Ready for Testing

DESC: Stop jails before locking volumes

RISK: Low

ACCEPTANCE: Have running iocage jails, lock the volume. They should now not be running.

**#9 - 07/10/2018 07:08 PM - Dru Lavigne**

- Subject changed from *iocage non-descriptive error when locking drive with a running jail* to *Stop iocage jails before locking drive with a running jail*
- Needs Doc changed from *Yes* to *No*
- Needs Merging changed from *Yes* to *No*

**#10 - 07/12/2018 12:58 PM - Bonnie Follweiler**

- Status changed from *Ready for Testing* to *Blocked*
- Reason for Blocked set to *Dependent on a related task to be completed*

A Jail can't be built until <https://redmine.ixsystems.com/issues/37706> is fixed

**#11 - 07/12/2018 01:25 PM - Dru Lavigne**

- Blocked by Bug #37706: *Fix bad caching on list\_resource in Jails Wizard in new UI added*

**#12 - 07/13/2018 04:06 PM - Dru Lavigne**

- Status changed from *Blocked* to *Ready for Testing*

**#14 - 07/16/2018 10:05 AM - Aaron St. John**

- Status changed from *Ready for Testing* to *Failed Testing*

I tested this ticket by creating a new, encrypted pool. I then created a pass phrase so that I could lock/unlock the pool.

Next, I made sure the pool was unlocked. I then activated iocage for that specific pool by:

```
iocage activate _PoolName_
```

Since the correct pool had been activated I then created the jail through the shell commands as well as started the jail.

Now that I had an unlocked, encrypted pool with a jail installed and running, I locked the pool.

However, it didn't just "stop" jail. It appeared to have temporarily deactivated iocage for that specific pool. When I went to the shell and used

```
iocage list
```

it automatically activated iocage on a different pool that hadn't had iocage activated on it before.

Furthermore, I continued on and unlocked the pool. The jail was running.

I'm not sure if this is the behaviour that is desired, but that's what appeared to happen.

**#15 - 07/16/2018 11:09 AM - Dru Lavigne**

- Subject changed from Stop iocage jails before locking drive with a running jail to Stop iocage jails before locking drive that contains jails
- Reason for Blocked deleted (Dependent on a related task to be completed)

**#16 - 07/16/2018 11:33 AM - Brandon Schneider**

Aaron:

So if you make a locked pool, activate it, create a jail and then lock the pool, what does jls show?

**#17 - 07/16/2018 11:45 AM - Aaron St. John**

The jails section displayed no available jails when the pool is locked and encrypted.

**#18 - 07/25/2018 06:09 PM - Brandon Schneider**

- Status changed from Failed Testing to Ready for Testing

Aaron: That's how iocage functions. It automatically activates the first pool it finds, in this case that new pool was your next target. If the jail section is empty, this passed testing.

Please do this exactly:

```
- iocage clean -af
- zfs inherit -r org.freebsd.ioc:active POOL <--- Do that for each pool in your system
- zfs destroy -rf POOL/iocage <--- Do that for every pool so we can be *sure* they're all gone
- Create your encrypted pool
- iocage activate ENCPOOL
- iocage create -n foo -r 11.1-RELEASE boot=on
- run jls and see that there is a jail showing
- Now lock the ENCPOOL
- jls <--- This should now be empty. Do not run another iocage command.
```

**#19 - 07/27/2018 10:43 AM - Bonnie Follweiler**

- File Screen Shot 2018-07-27 at 1.39.48 PM.png added
- File Screen Shot 2018-07-27 at 1.40.07 PM.png added
- Status changed from Ready for Testing to Failed Testing

in FreeNAS-11.2-MASTER-201807270859  
(Build Date: Jul 27, 2018 12:10)

- Now lock the ENCPOOL
- jls <--- This should now be empty. Do not run another iocage command.

It wasn't empty (screenshot provided)

#20 - 07/27/2018 06:24 PM - Bug Clerk

- Status changed from Failed Testing to In Progress

#21 - 07/27/2018 06:27 PM - Brandon Schneider

New PR: <https://github.com/freenas/freenas/pull/1606>

Works locally:

```

root@freenas:~/iocage # zpool status tank
  pool: tank
  state: ONLINE
    scan: none requested
config:

```

NAME	STATE	READ	WRITE	CKSUM
tank	ONLINE	0	0	0
gptid/9dfbac38-9147-11e8-9f02-8badac78d086.eli	ONLINE	0	0	0

errors: No known data errors

```
root@freenas:~/iocage # iocage activate tank
```

ZFS pool 'tank' successfully activated.

```
root@freenas:~/iocage # iocage fetch -r 11.1-RELEASE --server newmordor.home --noupdate
```

```

Creating tank/iocage
Creating tank/iocage/download
Creating tank/iocage/images
Creating tank/iocage/jails
Creating tank/iocage/log
Creating tank/iocage/releases
Creating tank/iocage/templates
Fetching: 11.1-RELEASE

```

```

Downloading : MANIFEST [#####] 100%
Downloading : base.txz [#####] 100%
Downloading : lib32.txz [#####] 100%
Downloading : doc.txz [#####] 100%
Downloading : src.txz [#####] 100%
Extracting: base.txz...
Extracting: lib32.txz...
Extracting: doc.txz...
Extracting: src.txz...

```

```

root@freenas:~/iocage # iocage create -n foo -r 11.1-RELEASE boot=on
foo successfully created!

```

```

* Starting foo
+ Started OK
+ Starting services OK

```

```
root@freenas:~/iocage # jls
```

JID	IP Address	Hostname	Path
1		foo	/mnt/iocage/jails/foo/root

LOCKED ENC VOLUME

```
root@freenas:~/iocage # zpool status tank
```

cannot open 'tank': no such pool

```
root@freenas:~/iocage # jls
```

JID	IP Address	Hostname	Path
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**#22 - 07/30/2018 07:12 AM - Bug Clerk**

- Status changed from In Progress to Ready for Testing

PR: <https://github.com/freenas/freenas/pull/1606>

**#23 - 07/31/2018 06:10 AM - Bonnie Follweiler**

- Status changed from Ready for Testing to Passed Testing

- Needs QA changed from Yes to No

Test passed in FreeNAS-11.2-MASTER-201807301851  
(Build Date: Jul 30, 2018 21:59)

**#24 - 07/31/2018 06:15 AM - Bonnie Follweiler**

- File Screen Shot 2018-07-31 at 9.13.17 AM.png added

- File Screen Shot 2018-07-31 at 9.11.03 AM.png added

**#25 - 07/31/2018 11:44 AM - Dru Lavigne**

- Status changed from Passed Testing to Done

**Files**

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output.mp4	402 KB	06/15/2018	Zackary Welch
Screen Shot 2018-07-27 at 1.39.48 PM.png	30.3 KB	07/27/2018	Bonnie Follweiler
Screen Shot 2018-07-27 at 1.40.07 PM.png	27.6 KB	07/27/2018	Bonnie Follweiler
Screen Shot 2018-07-31 at 9.13.17 AM.png	19.8 KB	07/31/2018	Bonnie Follweiler
Screen Shot 2018-07-31 at 9.11.03 AM.png	11 KB	07/31/2018	Bonnie Follweiler