

## OpenNebula - Bug #4969

### Ceph driver for system datastore ignores SHARED=YES

01/09/2017 11:08 PM - kvaps kvaps

<b>Status:</b>	Closed	<b>Start date:</b>	01/09/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	kvaps kvaps	<b>% Done:</b>	100%
<b>Category:</b>	Drivers - Storage	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Release 5.4	<b>Pull request:</b>	
<b>Resolution:</b>	fixed		
<b>Affected Versions:</b>	OpenNebula 5.2		

#### Description

If you use ceph as system datastore and if your /var/lib/one is shared between your nodes.

Then `preigrate`, `postmigrate` and `mv` scripts from ceph tm driver removes vm folder: /var/lib/one/datastores/{datastoreid}/{vmid} with files like `deployment.0`, `disk.1`, `checkpoint`

This entails the error when `save` vm for `suspend` or `migrate`.

...

```
Command execution fail: cat << EOT | /var/tmp/one/vmm/kvm/migrate 'one-48' 'c13n1' 'c15n1' 48 c15n1
```

```
migrate: Command "virsh --connect qemu:///system migrate --live one-48 qemu+ssh://c13n1/system" failed: error: Cannot access storage file '/var/lib/one//datastores/100/48/disk.1' (as uid:9869, gid:9869): No such file or directory
```

```
Could not migrate one-48 to c13n1
```

```
ExitCode: 1
```

...

#### History

##### #1 - 01/09/2017 11:33 PM - kvaps kvaps

- % Done changed from 80 to 100

My pull request:

<https://github.com/OpenNebula/one/pull/182>

##### #2 - 02/09/2017 02:56 PM - Jaime Melis

- Target version set to Release 5.4

thanks for the ticket! we'll review it and study it as soon as possible

##### #3 - 02/21/2017 04:06 PM - Stefan Kooman

I was bitten by this as well. I applied patch from @kvaps and that works well. Thanks!

##### #4 - 03/20/2017 09:01 AM - kvaps kvaps

Please be informed before merging my changes:

I think we must to change default value SHARED = "YES" in TM\_MAD\_CONF for ceph to SHARED = "NO" in oned.conf

Otherwise, my fix may break clouds with default configuration for ceph tm driver.

Also, I think we need to have possibility for override TM\_MAD\_CONF options in oned.conf

Please review this comment:

[https://github.com/OpenNebula/one/pull/182#discussion\\_r95556917](https://github.com/OpenNebula/one/pull/182#discussion_r95556917)

**#5 - 03/20/2017 09:59 AM - Anton Todorov**

Hi,

I've already hit the case when a TM\_MAD is shared for IMAGE and no for SYSTEM (ssh) with our addon.

Here is my request #5061 addressing the matter.

Kind Regards,  
Anton Todorov

**#6 - 05/14/2017 04:31 PM - Vlastimil Holer**

- Status changed from Pending to Closed

Hello,

kvaps kvaps wrote:

```
If you use ceph as system datastore and if your /var/lib/one is shared between your nodes.  
Then `pre migrate`, `post migrate` and `mv` scripts from ceph tm driver removes vm folder: /var/lib/one/datastores/{datastoreid}/{vmid} with files like  
`deployment.0`, `disk.1`, `checkpoint`  
This entails the error when `save` vm for `suspend` or `migrate`:  
...  
Command execution fail: cat << EOT | /var/tmp/one/vmm/kvm/migrate 'one-48' 'c13n1' 'c15n1' 48 c15n1  
migrate: Command "virsh --connect qemu:///system migrate --live one-48 qemu+ssh://c13n1/system" failed: error: Cannot access storage file  
'/var/lib/one//datastores/100/48/disk.1' (as uid:9869, gid:9869): No such file or directory  
Could not migrate one-48 to c13n1  
ExitCode: 1  
...
```

thank you for the bug report. There was really a problem with the live migrations with a shared filesystem on datastore directory and it was recently fixed by Anton's patch <https://github.com/OpenNebula/one/pull/160> mentioned in the bug #4924.

I'm going to close the bug as fixed, feel free to reopen in case you have any doubts.

Best regards,  
Vlastimil Holer