

## Foreman - Bug #33270

### libvirt VMs showing "unknown power state" and no Console access

08/17/2021 10:58 AM - Ian Shore

<b>Status:</b> Rejected	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b>	
<b>Target version:</b>	
<b>Difficulty:</b>	<b>Fixed in Releases:</b>
<b>Triaged:</b> Yes	<b>Found in Releases:</b> 2.4.1
<b>Bugzilla link:</b>	<b>Red Hat JIRA:</b>
<b>Pull request:</b>	
<b>Description</b>	
<p>After upgrading from Foreman 2.3 to 2.4.1, all VMs managed by libvirt are showing "unknown power state". The button for Console access has also gone missing.</p> <p>Foreman log indicates an issue with an undefined method:</p> <pre>Backtrace for 'undefined method `allocation' for nil:NilClass' error (ActionView::Template::Error): undefined method `allocation' for nil:NilClass 4ccdca18   /usr/share/foreman/app/views/compute_resources_vms/show/_libvirt.html.erb:46:in `block in app_views_compute_resources_vms_show_libvirt_html_erb___1095817749888559541_69835413092660'</pre> <p>Also if I select a VM by going to Compute Resources and selecting the VM after selecting its host, I am greeted with the message:</p> <p>Oops, we're sorry but something went wrong undefined method `allocation' for nil:NilClass</p> <p>I attach the foreman-rake errors:fetch_log for that here.</p>	

#### History

##### #1 - 08/18/2021 10:04 AM - Lukas Zapletal

- Category set to Compute resources - libvirt
- Triaged changed from No to Yes

Looks like a regression on fog-libvirt between 0.7 and 0.8 or newer:

<https://github.com/fog/fog-libvirt/commits/master?after=b6a6161583b81bac4c1fd4b822305c369ba82e78+34&branch=master>

I have a suspicion on <https://github.com/fog/fog-libvirt/pull/75>

Can you show me the full backtrace? You can reach me as lzap on our IRC.

##### #2 - 08/18/2021 10:51 AM - Lukas Zapletal

I see the attachment now, well it did not help. Not sure what is wrong at the moment.

##### #3 - 08/18/2021 12:46 PM - Ian Shore

- File production.log.txt added
- Category deleted (Compute resources - libvirt)

I set debug logging on, restarted httpd, then viewed a VM from the Hosts page. I attach the resulting log file, and hope it is of some use.

##### #4 - 08/18/2021 01:26 PM - Lukas Zapletal

Thanks, but the root cause is buried down the stack somewhere in the fog/fog-libvirt library. Libvirt call "volumes" returns list of associated data volumes but it appears to return an array with nil value in it.

Can you tell me how do I reproduce this bug? What's special about these VMs that libvirt fog library returns nil? Can you share libvirt XML of the VM

that triggers the error?

**#5 - 08/18/2021 01:45 PM - Ian Shore**

- File *test1.xml.txt* added

All the VM hosts display the same "Unknown power state" message. We have 7 VM servers and 25 VMs, built on iSCSI LUNs managed by a NetApp server. I attach the XML dump from the VM mentioned in the previous log file.

Thanks for your help in this.

**#6 - 08/18/2021 03:01 PM - Lukas Zapletal**

- Status changed from *New* to *Rejected*

I have some bad news for you, for-libvirt only supports file-based storage domain (the default one - directory with files). I am not sure how you created this VM, but this could not be through Foreman/fog library.

I filed a patch into the library to skip volumes which are not file-based to prevent the nil pointer exception, but that's all I can do for you.

<https://github.com/fog/fog-libvirt/pull/105>

**#7 - 08/18/2021 03:52 PM - Ian Shore**

Okay, thanks. I'll give it a try tomorrow. Most of the VMs were built before we ever started using Foreman, and we continue to build them the same way, outside of Foreman.

**Files**

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62f033ad.txt	19.5 KB	08/17/2021	Ian Shore
production.log.txt	123 KB	08/18/2021	Ian Shore
test1.xml.txt	4.83 KB	08/18/2021	Ian Shore