

Foreman - Bug #1640

Oops when viewing a Libvirt VM where the Libvirt host has no "default" storage volume

05/19/2012 04:08 PM - Andreas Ntaflos

Status: New	
Priority: Normal	
Assignee:	
Category: Compute resources - libvirt	
Target version:	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	
<p>The following error occurs when trying to view a VM on a Libvirt host that does not have a "default" storage pool:</p> <pre>ArgumentError Initialization parameters must be an attributes hash, got nil app/views/compute_resources/vms/show/_libvirt.html.erb:42:in `__app_views_compute_resources_vms_show__libvirt_html_erb__687762671_70269412929760_809790' app/views/compute_resources/vms/show.html.erb:1:in `__app_views_compute_resources_vms_show_html_erb__620887415_70269412946320_0' app/controllers/compute_resources/vms_controller.rb:26:in `show'</pre>	
<p>The Libvirt host has various storage pools, such as a LVM volume group called "virhosts" or a filesystem directory called "cd_images", but no "default" storage pool. Using Libvirt 0.9.8 on Ubuntu 12.04, Foreman 0.5-nightly-ba71c565.</p>	
<p>This seems related to the fact that Foreman seems to think every VM's disk is based off the "default" storage pool, even when it is not.</p>	
<p>In our environment, all VMs have their volumes in a "virhost" LVM-based storage pool, not in the "default" storage pool. Nonetheless, for a given VM, Foreman says this about the VM's disk: "using 1G GB out of 10G GB (default storage pool -)". Foreman also seems to think that all disks are 10GB in size, even when they are not. I recall a similar problem in Foreman 0.4.2.</p>	

History

#1 - 05/19/2012 06:56 PM - Andreas Ntaflos

Another consequence of a missing "default" storage pool seems to be that, when creating a new host in Foreman as a Virtual Machine, the "Virtual Machine" page/tab remains completely empty. In Foreman's production.log there appears a similar error message as above:

```
Started POST "/hosts/compute_resource_selected" for 10.216.236.2 at Sun May 20 00:56:12 +0200 2012
  Processing by HostsController#compute_resource_selected as
  Parameters: {"compute_resource_id"=>"2"}
  Rendered hosts/_compute.html.erb (1.1ms)
  Operation FAILED: Initialization parameters must be an attributes hash, got nil
  Rendered common/500.rhtml (2.6ms)
  Completed 500 Internal Server Error in 11ms (Views: 3.0ms | ActiveRecord: 0.0ms)
```

#2 - 05/27/2012 01:37 PM - Ohad Levy

- Status changed from New to Ready For Testing

I've pushed an update to the fog library, could you please try to execute

```
bundle update
```

and see if it still occurs ?

thanks

#3 - 05/28/2012 11:15 AM - Andreas Ntaflos

Ohad, thanks, this seems to have fixed that particular issue. I can now view virtual machines of a Libvirt compute resource that does not have a "default" storage pool. However, this only works for VMs which were created as "Bare Metal" through Foreman (and defined via virt-manager/virsh on the virtualisation host). Trying to view virtual machines that were created entirely through Foreman, as "Virtual Machine", results in this error:

```
NoMethodError
undefined method `[]' for nil:NilClass
app/views/compute_resources/vms/show/_libvirt.html.erb:42:in `_app_views_compute_resources_vms_show__libvirt_h
tml_erb___970148999_70189147447460_810270'
app/views/compute_resources/vms/show.html.erb:1:in `_app_views_compute_resources_vms_show_html_erb___188722847
_70189147457960_0'
app/controllers/compute_resources/vms_controller.rb:26:in `show'
```

I wonder if this is related to issue [#1639](#)?

#4 - 06/28/2012 04:19 AM - Ohad Levy

- Status changed from Ready For Testing to Need more information

can you check if this still happens with latest fog version? (change your bundler.d/fog to use the git version instead of the gem and run bundle update)

#5 - 11/02/2015 10:04 AM - Will Foster

Ohad Levy wrote:

can you check if this still happens with latest fog version? (change your bundler.d/fog to use the git version instead of the gem and run bundle update)

I know this report is a bit old but we're seeing this on 1.8.4 and ruby193-rubygem-fog-1.29.0-1.el6.noarch (EL6) as well when adding an EL7.1 Libvirt compute resource:

```
--snip--
2015-11-02 14:55:28 [I] Rendered nic/_base_form.html.erb (29.3ms)
2015-11-02 14:55:28 [I] Rendered hosts/_compute.html.erb (35.7ms)
2015-11-02 14:55:28 [W] Operation FAILED: No storage pools are defined
2015-11-02 14:55:28 [I] Rendered nic/_virtual_form.html.erb (2.4ms)
2015-11-02 14:55:28 [I] Rendered common/500.html.erb (11.3ms)
2015-11-02 14:55:28 [I] Completed 500 Internal Server Error in 67ms (Views: 14.9ms | ActiveRecord: 0.1ms)
2015-11-02 14:55:28 [I] Rendered compute_resources_vms/form/libvirt/_network.html.erb (36.2ms)
2015-11-02 14:55:28 [I] Rendered nic/_provider_specific_form.html.erb (38.2ms)
2015-11-02 14:55:28 [I] Rendered nic/manageds/_managed.html.erb (73.8ms)
2015-11-02 14:55:28 [I] Rendered nic/_base_form.html.erb (22.5ms)
2015-11-02 14:55:28 [I] Rendered nic/_virtual_form.html.erb (2.3ms)
2015-11-02 14:55:28 [I] Rendered compute_resources_vms/form/libvirt/_network.html.erb (31.7ms)
2015-11-02 14:55:28 [I] Rendered nic/_provider_specific_form.html.erb (32.9ms)
2015-11-02 14:55:28 [I] Rendered nic/manageds/_managed.html.erb (61.0ms)
2015-11-02 14:55:28 [I] Rendered hosts/_interfaces.html.erb (139.2ms)
2015-11-02 14:55:28 [I] Rendered hosts/_interfaces_tab.html.erb (140.0ms)
2015-11-02 14:55:28 [I] Completed 200 OK in 165ms (Views: 140.3ms | ActiveRecord: 2.1ms)
--snip--
```

#6 - 11/02/2015 10:22 AM - Dominic Cleal

- Description updated

- Category set to Compute resources - libvirt

- Status changed from Need more information to New