

## Packaging - Bug #13455

### Unable to create host from template on libvirt compute resource: Failed to create a compute libvirt (Libvirt) instance host: can't convert nil into String

01/28/2016 07:12 PM - Chris Lord

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b>	
<b>Target version:</b> 1.14.0	
<b>Difficulty:</b>	<b>Fixed in Releases:</b>
<b>Triaged:</b>	<b>Found in Releases:</b> 1.10.1
<b>Bugzilla link:</b>	<b>Red Hat JIRA:</b>
<b>Pull request:</b> <a href="https://github.com/theforeman/foreman-packaging/pull/1476">https://github.com/theforeman/foreman-packaging/pull/1476</a> , <a href="https://github.com/theforeman/foreman-packaging/pull/1477">https://github.com/theforeman/foreman-packaging/pull/1477</a> , <a href="https://github.com/theforeman/foreman-packaging/pull/2612">https://github.com/theforeman/foreman-packaging/pull/2612</a>	
<b>Description</b> Pastebin of stacktrace from /var/log/foreman/production.log <a href="http://pastebin.com/vdpu7AzK">http://pastebin.com/vdpu7AzK</a>	
<b>Related issues:</b> Related to Foreman - Refactor #19579: require fog-libvirt 0.4.0 <span style="float: right;"><b>Closed</b>    <b>05/17/2017</b></span>	

#### Associated revisions

##### Revision ca6462c4 - 01/04/2017 03:33 AM - Michael Moll

Fixes #13455 - Require genisoimage for -libvirt

##### Revision 843c1234 - 01/04/2017 03:34 AM - Michael Moll

Fixes #13455 - Recommend genisoimage for -libvirt

#### History

##### #1 - 01/29/2016 03:32 AM - Dominic Cleal

- Category set to Compute resources - libvirt

##### #2 - 01/29/2016 03:34 AM - Dominic Cleal

Underlying errors:

```
2016-01-29T10:29:08 [app] [W] Unhandled Libvirt error
| Fog::Errors::Error: Error saving the server: undefined method `Error' for Fog::Errors:Module
| /usr/share/foreman/vendor/ruby/1.9.1/gems/fog-libvirt-0.0.3/lib/fog/libvirt/models/compute/server.rb:67:in `
rescue in save'
| /usr/share/foreman/vendor/ruby/1.9.1/gems/fog-libvirt-0.0.3/lib/fog/libvirt/models/compute/server.rb:60:in
`save'
| /usr/share/foreman/app/models/compute_resources/foreman/model/libvirt.rb:125:in `create_vm'
| /usr/share/foreman/app/models/concerns/orchestration/compute.rb:76:in `setCompute'
| /usr/share/foreman/app/models/concerns/orchestration.rb:168:in `execute'
| /usr/share/foreman/app/models/concerns/orchestration.rb:113:in `block in process'
| /usr/share/foreman/app/models/concerns/orchestration.rb:105:in `each'
| /usr/share/foreman/app/models/concerns/orchestration.rb:105:in `process'
| /usr/share/foreman/app/models/concerns/orchestration.rb:35:in `on_save'
```

Possibly the fog-core errors file isn't loaded or something for that not to be defined.

As a workaround you might want to try checking the Libvirt server's logs for the error thrown, as this is a bug in Foreman/Fog's error reporting.

##### #3 - 01/31/2016 05:39 PM - Chris Lord

Any suggestions for logs to check?

I've checked /var/log/libvirt/libvirtd.log and /var/log/syslog and there was no output. The only time I get output is if I try to reuse a host name, which causes it to complain that the storage volume already exists.

Thank you for your help.

#### #4 - 03/19/2016 06:48 PM - Karli Sjöberg

- File libvirt-debug.log added

- File production-debug.log added

Me to! Foreman 1.10.2.

Create a template and enable "User data", associate "user\_data" template with operating system, select "user\_data" template for operating system, create new host from libvirt compute resource and choose "Image Based" in "Operating System" tab results in this error. Changing from "user\_data" to "finish" and provision with SSH works.

Attached production.log from foreman server and libvirtd.log from hypervisor, both in debug mode. Trying to provision new host "blah.inparadise.se". No mention of any "blah" in libvirt at all. There is SSH login from foreman server though (172.16.1.11).

/K

#### #5 - 03/23/2016 10:36 AM - Dominic Cleal

The broken error handling (undefined method `Error') is a severe problem that'll prevent us investigating this much. I don't know why that's happening from the code, and I can't reproduce it.

A couple of thoughts from things I've seen:

Do you have a "default" pool, and what directory is it at? There's a bug in fog-libvirt (we're tracking under [#13778](#)) where it assumes the pool is at /var/lib/libvirt/images/, so when it creates an ISO image in the real 'default' location, it specifies the wrong path when creating the VM.

Is there a cloud-init disk in the pool already for the host you're building? You may need to delete it, then call virsh pool-refresh default.

#### #6 - 03/23/2016 03:31 PM - Karli Sjöberg

@Dominic

I think you need a couple of things for this problem to manifest. I'll go over my setup. I have:  
Smart-proxies - TFTP, DNS, Puppet, PuppetCA (and not DHCP as it cannot be managed)  
Subnet - IPAM (Internal DB), Boot mode DHCP, Proxies DHCP (None), TFTP, DNS  
Domain - DNS Proxy  
Libvirt Compute Resource

During provision I have for network:  
Managed, Primary, Provision - Checked

Where the "Managed" part says:

"Should this interface be managed via DHCP and DNS smart proxy and should it be configured during provisioning?"

"DHCP and DNS". Could it be that "Managed" really needs them both or is it ok with just DNS? What does the code say about that?

Anyway, yes I had the standard "default" pool. I tried removing it but it didn't matter.

[@Christian Holzheimer](#):

How similar is your setup compared to mine?

/K

#### #7 - 03/24/2016 04:39 AM - Dominic Cleal

Karli Sjöberg wrote:

@Dominic

I think you need a couple of things for this problem to manifest. I'll go over my setup. I have:  
Smart-proxies - TFTP, DNS, Puppet, PuppetCA (and not DHCP as it cannot be managed)  
Subnet - IPAM (Internal DB), Boot mode DHCP, Proxies DHCP (None), TFTP, DNS  
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Libvirt Compute Resource

During provision I have for network:  
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Where the "Managed" part says:

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"DHCP and DNS". Could it be that "Managed" really needs them both or is it ok with just DNS? What does the code say about that?

None of this is likely to be relevant, the error is in creating a VM, not to do with DNS or DHCP. The text means that Managed must be ticked for DNS and DHCP to be managed, not that you require DNS and DHCP to have a Managed interface.

Anyway, yes I had the standard "default" pool. I tried removing it but it didn't matter.

No, it must exist - and at the moment, in /var/lib/libvirt/images.

**#8 - 03/25/2016 12:47 PM - Karli Sjöberg**

Oh, OK, I misunderstood. Well, if that's the case then I had it before, so that's not it then, right?

/K

**#9 - 03/29/2016 03:29 AM - Dominic Cleal**

Indeed, I don't have any more ideas at the moment and still can't see why the error during error reporting is happening.

**#10 - 08/31/2016 09:16 AM - Petr Cervenka**

Hi

Having exactly same issue on Ubuntu with same setup , Cloud Image, with user\_data, have default pool and even have symlinks to /var/lib/libvirt/images still happening.. log is very useless as it just says (undefined method `Error')

**#11 - 08/31/2016 09:20 AM - Petr Cervenka**

- File Screenshot 2016-08-31 21.20.18.png added

**#12 - 11/26/2016 01:37 PM - Anonymous**

Could you guys check if this is <https://github.com/fog/fog-libvirt/pull/31>? It's solved by installing genisoimage.

**#13 - 12/07/2016 06:53 PM - Gert-Jan Rodenburg**

I've got genisoimage installed on the hostmachine, still have the error.

**#14 - 12/07/2016 06:59 PM - Anonymous**

could you install genisoimage also on the Foreman server?

**#15 - 12/30/2016 10:00 AM - Anonymous**

What's the status here?

**#16 - 01/03/2017 03:10 PM - Anonymous**

- translation missing: en.field\_release set to 189

I just ran again into this. While the exception is fixed in fog-libvirt's current master, I'll open PR to have foreman-libvirt recommend genisoimage, which will solve this effectively.

**#17 - 01/03/2017 03:13 PM - The Foreman Bot**

- Status changed from New to Ready For Testing

- Assignee set to Anonymous

- Pull request <https://github.com/foreman/foreman-packaging/pull/1476> added

**#18 - 01/03/2017 03:24 PM - The Foreman Bot**

- Pull request <https://github.com/foreman/foreman-packaging/pull/1477> added

**#19 - 01/04/2017 03:34 AM - Dominic Cleal**

- Project changed from Foreman to Packaging

- Category deleted (Compute resources - libvirt)

**#20 - 01/04/2017 04:02 AM - Anonymous**

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [foreman-packaging|ca6462c45abddcaf29e73c4b77cbe73bc0a26bc8](#).

**#21 - 05/17/2017 06:00 PM - Anonymous**

- Related to Refactor #19579: require fog-libvirt 0.4.0 added

**#22 - 06/05/2018 07:10 PM - The Foreman Bot**

- Pull request <https://github.com/theforeman/foreman-packaging/pull/2612> added

**Files**

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production-debug.log	89 KB	03/19/2016	Karli Sjöberg
libvirt-debug.log	446 KB	03/19/2016	Karli Sjöberg
Screenshot 2016-08-31 21.20.18.png	48.4 KB	08/31/2016	Petr Cervenka