Foreman - Bug #2612

VirtualMachine Tab empty when trying to create VM using fog 1.8.0-3 or 1.11.1

06/04/2013 02:58 PM - Ronny M

Status:	Closed		
Priority:	High		
Assignee:	Dominic Cleal		
Category:	Compute resources		
Target version:	1.2.0		
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

1. VMWare Esxi 5.0.0 managed by VSphere (VMware vCenter Server 5.0.0.16964)
2. CentOS release 6.2 (Final)
3. Foreman 1.2 RC1 without passenger/ssl

VirtualMachine TAB empty when trying to create Vmware VM with foreman 1.2 RC1. ((Using old Fog 1.8.0-3 (in RC1 yum repo) and newer fog-1.11-1 from http://koji.katello.org)

In /var/log/foreman/production.log.

Started GET "/hosts/user.jpg" for 192.168.88.1 at 2013-06-04 09:47:14 -0700
Processing by HostsController#show as HTML
Parameters: {"id"=>"user.jpg"}
Rendered common/404.html.erb within layouts/application (0.7ms)
Rendered home/_user_dropdown.html.erb (1.2ms)
Read fragment views/tabs_and_title_records-1 (0.2ms)
Rendered home/_topbar.html.erb (1.3ms)
Filter chain halted as :find_by_name rendered or redirected
Completed 404 Not Found in 12ms (Views: 6.1ms | ActiveRecord: 0.9ms)

Started POST "/hosts/compute_resource_selected" for 192.168.88.1 at 2013-06-04 09:47:18 -0700
Processing by HostsController#compute_resource_selected as */*
Parameters: {"architecture_id"=>"", "compute_resource_id"=>"1", "operatingsystem_id"=>""}
Rendered compute_resources_vms/form/_vmware.html.erb (162.0ms)
Rendered hosts/_compute.html.erb (201.9ms)
Operation FAILED: undefined method `init' for #<Class:0x000000081328d0>
Rendered common/500.html.erb (11.0ms)
Completed 500 Internal Server Error in 226ms (Views: 13.3ms | ActiveRecord: 0.0ms)
Connecting to database specified by database.yml

cat /usr/share/foreman-installer/foreman_installer/answers.yaml
---
foreman:
ssl: false
passenger: false
foreman_proxy:
dns: true
dhcp: true
puppetca: true
tftp: true
puppetrun: true
puppetmaster: true
puppet: true

Attached debug log (test with fog-1.11.1):

Related issues:				
Related to Foreman - Bug #2680: Unable to provisioning host using UI - vSpher...	**Closed**	**06/19/2013**	**06/20/2013**

Associated revisions

Revision 467ea135 - 06/19/2013 01:02 AM - Dominic Cleal

fixes #2612 - move Task into Orchestration namespace due to RbVmomi conflict

Revision 5ea23ddd - 06/20/2013 03:40 AM - Dominic Cleal

fixes #2612 - move Task into Orchestration namespace due to RbVmomi conflict
(cherry picked from commit 467ea135da2b2309d306fd7e97d5c52a9ab00dbe)

History

#1 - 06/04/2013 03:03 PM - Ronny M

- File foreman-vmware.png added

#2 - 06/04/2013 03:05 PM - Dominic Cleal

- Category set to Compute resources

- Status changed from New to Need more information

- Target version set to 1.2.0

Can you try enabling debug logging and then attach /var/log/foreman/production.log again please? It should create a long stack trace in the log file when you attempt selecting the compute resource.

Enabling debug logging: http://projects.theforeman.org/wiki/foreman/Troubleshooting#How-do-I-enable-debugging

#3 - 06/04/2013 03:14 PM - Ronny M

- File compute_resource_vmware_show_existing_vm.png added

#4 - 06/04/2013 03:15 PM - Ohad Levy

any chance you can turn on debugging (see in troubleshooting) and paste the same output?

#5 - 06/04/2013 03:25 PM - Ronny M

- File production.log added

#6 - 06/04/2013 03:27 PM - Ohad Levy

hmm.. did you restart and tried to do the same action again? I cant see it in the logs?

#7 - 06/04/2013 03:33 PM - Ronny M

- File production-debug.log added

#8 - 06/04/2013 03:37 PM - Ronny M

Ohad Levy wrote:

> hmm.. did you restart and tried to do the same action again? I cant see it in the logs?

Yes, but had not uploaded the log yet :)

#9 - 06/04/2013 03:40 PM - Ohad Levy

which kind of vmware are you do you have clusters support? (the trace shows it fails listing the clusters).

do you have any localization version of vmware etc? did it ever worked with foreman?

#10 - 06/04/2013 03:47 PM - Ronny M

Ohad Levy wrote:

> which kind of vmware are you do you have clusters support? (the trace shows it fails listing the clusters).

> do you have any localization version of vmware etc? did it ever worked with foreman?

VMWare Esxi 5.0.0 managed by VSphere (VMware vCenter Server 5.0.0.16964) First list of the BUG Desription :)
Cluster is named thuis. (dutch for home) My whole setup is running on wmware-workstation 9.0.2
Same setup does work with foreman 1.1

#11 - 06/04/2013 03:50 PM - Ronny M

Ronny M wrote:

> Ohad Levy wrote:
>
>> which kind of vmware are you do you have clusters support? (the trace shows it fails listing the clusters).
>>
>> do you have any localization version of vmware etc? did it ever worked with foreman?
>
> VMWare Esxi 5.0.0 managed by VSphere (VMware vCenter Server 5.0.0.16964) First list of the BUG Desription :)
> Cluster is named thuis. (dutch for home) My whole setup is running on wmware-workstation 9.0.2
> Same setup does work with foreman 1.1

Foreman 1.1 uses fog-1.9.0. Foreman 1.2 tested with fog-1.8.0-3 (in rc1 yum repo an with 1.1.11-3)

#12 - 06/05/2013 03:36 PM - Ronny M

- File production-fog-1.8.0-3.log added

Added debug log using fog-1.8.0-3.

#13 - 06/05/2013 03:39 PM - Dominic Cleal

Thanks for the log files, that's very useful.

#14 - 06/05/2013 03:39 PM - Dominic Cleal

- Status changed from Need more information to New

#15 - 06/05/2013 03:43 PM - Ronny M

- File production-foreman1.1-fog-1.9.0.log added

Added log using foreman 1.1 with fog 1.9.0 (which does work). The same action with foreman 1.2 doesn't work.

#16 - 06/10/2013 06:00 AM - Ronny M

- File production_debug_foreman1.2_RC2.log added

Tested also with foreman 1.2 RC2.

Now a empty screen with only the following error on the virtual machine TAB when trying to create a new host:

> Error loading virtual machine information: Internal Server Error

Attached also the debug log when this error occurred.

#17 - 06/10/2013 02:58 PM - Ronny M

- File fog-1.9.0-foreman1.1-stable.txt added

- File fog-1.11.1-foreman1.2-RC2.txt added

I'm not an expert but it looks like it's fog related.

fog 1.9.0 installed with foreman 1.1-stable is able to list servers when using fog on linux prompt. (attachment: fog-1.9.0-foreman1.1-stable)
fog 11.1.1 installed with foreman 1.2 RC2 results in: (Object doesn't support #inspect) for same command to list servers. (attachment: fog-1.11.1-foreman1.2-RC2)

attached for both situations.

#18 - 06/10/2013 03:05 PM - Ronny M

Ronny M wrote:

I'm not an expert but it looks like it's fog related.

fog 1.9.0 installed with foreman 1.1-stable is able to list servers when using fog on linux prompt. (attachment: fog-1.9.0-foreman1.1-stable)
fog 11.1.1 installed with foreman 1.2 RC2 results in: (Object doesn't support #inspect) for same command to list servers. (attachment: fog-1.11.1-foreman1.2-RC2)

attached examples/logs for both situations.

#19 - 06/10/2013 03:15 PM - Ronny M

- File fog-1.8.0-3-foreman-1.2-RC1 added

Also tested with foreman-1.2 RC1 fog-1.8.0-3.

This time fog returns an empty list.

        f.servers

<Fog::Compute::Vsphere::Servers
[]
>

attached example/log with name: fog-1.8.0-3-foreman-1.2-RC1

#20 - 06/10/2013 03:23 PM - Ronny M

Although it doesn't list servers it does see vmware templates. (Also in the foreman GUI: Provisioning => Compute resources => vmware => Virtual machines)

#21 - 06/11/2013 09:19 AM - Ohad Levy

what is the version of rbvmomi gem? it looks like we might have the wrong version in 1.2 vs 1.1?

#22 - 06/11/2013 12:29 PM - Ronny M

ruby193-rubygem-rbvmomi-1.2.3-7.el6.noarch

#23 - 06/11/2013 12:32 PM - Dominic Cleal

- Status changed from New to Assigned

- Assignee set to Dominic Cleal

Thanks, we think this is far too old, as even 1.1 shipped 1.5.1. I'm trying to build a new version at the moment, will let you know when it's available to test.

#24 - 06/11/2013 12:34 PM - Ronny M

The above version is of foreman 1.2 RC2

foreman 1.1-stable has rubygem-rbvmomi-1.5.1-1.el6.noarch

So you might be right the one in 1.2 is older then the one in 1.1.

#25 - 06/11/2013 12:41 PM - Ronny M

Ok, it will test it as soon as the new version is availible

#26 - 06/11/2013 01:14 PM - Dominic Cleal

- Status changed from Assigned to Feedback

Here's the updated RPM, just download and upgrade it, then restart Foreman (or httpd if using passenger).

http://koji.katello.org/koji/getfile?taskID=39206&name=ruby193-rubygem-rbvmomi-1.6.0-1.el6.noarch.rpm

Let me know how you get on.

#27 - 06/11/2013 01:35 PM - Ronny M

- File production_rbvmomi-1.6.0-1.log added

Virtual Machine Tab now shows VM Settings/Details.
But during creation of the VM I get the following error

Unable to save
Failed to create a compute vmware (VMWare) instance bla4.local.domain: failed to create vm: unexpected type Task
(Task/Object/Foreman::Util/PSON::Pure::Generator::GeneratorMethods::Object/GettextI18nRails::HtmlSafeTranslations/FastGettext::Translation/PP::
ObjectMixin/ActiveSupport::Dependencies::Loadable/JSON::Ext::Generator::GeneratorMethods::Object/Kernel/BasicObject)

Although there is an error the VM is created in VMWARE but not powered up.
VM Is also not created as host in foreman.

Attached debug log: production_rbvmomi-1.6.0-1

#28 - 06/12/2013 03:30 AM - Peter Gustafsson

I'm hitting the same issue using foreman 1.2 rc.2 and vmware ESXi, 5.1.0,914609. I have updated rbvmomi as above and can now se VM
Settings/Details. But when creating a new VM i get.

Failed to create a compute vmware (VMWare) instance rhidm.example.com: failed to create vm: unexpected type Task
(Task/Object/Foreman::Util/PSON::Pure::Generator::GeneratorMethods::Object/GettextI18nRails::HtmlSafeTranslations/FastGettext::Translation/PP::
ObjectMixin/ActiveSupport::Dependencies::Loadable/JSON::Ext::Generator::GeneratorMethods::Object/Kernel/BasicObject)

#29 - 06/12/2013 03:33 AM - Dominic Cleal

- Status changed from Feedback to New

- Assignee deleted (Dominic Cleal)

- Priority changed from Normal to High

#30 - 06/12/2013 05:15 PM - Ronny M

Although not all of the following rpm's are installed in both foreman 1.1 and 1.2, the ones in foreman 1.2 are also older then the onces in foreman 1.1
Not sure if this is what causes the problems but expected newer rpm's in foreman 1.2

1. foreman 1.1:
   rubygem-ffi-1.0.11-1.el6.x86_64.rpm
   rubygem-json-1.6.8-1.el6.x86_64.rpm
   rubygem-net-ldap-0.3.1-1.el6.noarch.rpm
   rubygem-pg-0.13.2-2.el6.x86_64.rpm
   rubygem-rest-client-1.6.7-1.el6.noarch.rpm

1. foreman 1.2:
   ruby193-rubygem-ffi-1.0.9-10.el6.x86_64.rpm
   ruby193-rubygem-json-1.5.4-29.el6.x86_64.rpm
   ruby193-rubygem-net-ldap-0.2.2-5.el6.noarch.rpm
   ruby193-rubygem-pg-0.12.2-8.el6.x86_64.rpm
   ruby193-rubygem-rest-client-1.6.1-4.el6.noarch.rpm

#31 - 06/17/2013 01:58 PM - Ronny M

Any plans to build newer versions for the 1.2 RC2 rpm's mentioned above?

I'm happily willing to test them as soon as they come available.

#32 - 06/17/2013 01:58 PM - Ronny M

Any plans to build newer versions for the 1.2 RC2 rpm's mentioned above?

I'm happily willing to test them as soon as they come available.

#33 - 06/17/2013 02:04 PM - Dominic Cleal

I hadn't planned on building them as they don't look directly related. Amos is planning to look at this on an RPM build to see if he can reproduce it, if
any of them look like likely suspects then we'll try some rebuilds.

#34 - 06/18/2013 09:52 AM - Dominic Cleal

- Status changed from New to Assigned

- Assignee set to Dominic Cleal

Reproduced this issue now.

#35 - 06/18/2013 11:46 AM - Dominic Cleal

I think this is due to a bug in rbvmomi 1.6.0, as I went and built the latest release when we found it was out of date above. I've applied a patch from upstream that was committed since the release and it seems to help on my local development setup, here's a test RPM build for you to try:

http://koji.katello.org/koji/getfile?taskID=39976&name=ruby193-rubygem-rbvmomi-1.6.0-2.git.18.e7f3436.el6.noarch.rpm

If that doesn't help, I could go back and build 1.5.1, but I'd like to avoid that as it means yum downgrades or epoch numbers.

My RHEL 6 instance is now getting the error "failed to create vm: undefined method `resourcePool' for nil:NilClass", so I'll look into this next.

#36 - 06/18/2013 03:47 PM - Ronny M

Doesn't work for me either. With Folder on: "VM Folder" I get the following error on my first attempt to create a new VM after updating rvbcomi to 1.6.0-2.

Unable to save
Failed to create a compute vmware (VMWare) instance test300.local.domain: failed to create vm: undefined method `resourcePool' for nil:NilClass

But when I try to create another VM with different name and ip after above error occurred I get the following error again:

Unable to save
Failed to create a compute vmware (VMWare) instance test400.local.domain: failed to create vm: unexpected type Task (Task/Object/Foreman::Util/PSON::Pure::Generator::GeneratorMethods::Object/GettextI18nRails::HtmlSafeTranslations/FastGettext::Translation/PP:: ObjectMixin/ActiveSupport::Dependencies::Loadable/JSON::Ext::Generator::GeneratorMethods::Object/Kernel/BasicObject)

But With Folder on: "vm/Servers" during a first attempt after updating the rpm I get the following error right away:

Unable to save
Failed to create a compute vmware (VMWare) instance hallo.local.domain: failed to create vm: unexpected type Task (Task/Object/Foreman::Util/PSON::Pure::Generator::GeneratorMethods::Object/GettextI18nRails::HtmlSafeTranslations/FastGettext::Translation/PP:: ObjectMixin/ActiveSupport::Dependencies::Loadable/JSON::Ext::Generator::GeneratorMethods::Object/Kernel/BasicObject)

#37 - 06/18/2013 03:49 PM - Dominic Cleal

- Status changed from Assigned to Ready For Testing

Ignore that, I think it was a red herring. Sorry for wasting your time testing that Ronny.

Comparing the rbvmomi deserialisation behaviour in the test harness to the error, I think it's loading the wrong "Task" class. We're probably hitting this now because of the switch from Ruby 1.8 to 1.9.

Compare and contrast the ancestors of the RbVmomi::VIM::Task class with those in the error message:

```
2.0.0p0 :015 > self.class.const_get('RbVmomi::VIM::Task').ancestors
 => [RbVmomi::VIM::Task, RbVmomi::VIM::ExtensibleManagedObject, RbVmomi::BasicTypes::ManagedObject, RbVmomi::B
asicTypes::ObjectWithMethods, RbVmomi::BasicTypes::ObjectWithProperties, RbVmomi::BasicTypes::Base, Object, Me
taclass::ObjectMethods, Mocha::ObjectMethods, Foreman::Util, PSON::Pure::Generator::GeneratorMethods::Object,
GettextI18nRails::HtmlSafeTranslations, FastGettext::Translation, V8::Conversion::Object, PP::ObjectMixin, Act
iveSupport::Dependencies::Loadable, JSON::Ext::Generator::GeneratorMethods::Object, Kernel, BasicObject]
2.0.0p0 :010 > self.class.const_get('Task').ancestors
 => [Task, Object, Metaclass::ObjectMethods, Mocha::ObjectMethods, Foreman::Util, PSON::Pure::Generator::Gener
atorMethods::Object, GettextI18nRails::HtmlSafeTranslations, FastGettext::Translation, V8::Conversion::Object,
 PP::ObjectMixin, ActiveSupport::Dependencies::Loadable, JSON::Ext::Generator::GeneratorMethods::Object, Kerne
l, BasicObject]
```

Since Task isn't namespaced, the const_get in rbvmomi is often(?!) hitting ours. The error we see in above (Ronny's comment 27) is a printout of the ancestors as rbvmomi can't find the RbVmomi::BasicTypes::ManagedObject ancestors because it's found our Task class.

PR: https://github.com/theforeman/foreman/pull/730/files

#38 - 06/18/2013 04:14 PM - Ronny M

Dominic,

You are right.

I applied you pull request into my setup and know creating a VM does work :)

#39 - 06/18/2013 04:20 PM - Dominic Cleal

Ronny M wrote:

I applied you pull request into my setup and know creating a VM does work :)

Thank you for testing!

#40 - 06/18/2013 04:25 PM - Ronny M

Ronny M wrote:

> Dominic,
>
> You are right.
>
> I applied you pull request into my setup and now creating a VM does work :)

#41 - 06/18/2013 04:26 PM - Ronny M

Oeps sorry,

Correcting a typo in my comment duplicated my comment :(

#42 - 06/19/2013 05:17 AM - Dominic Cleal

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [467ea135da2b2309d306fd7e97d5c52a9ab00dbe](#).

Files

foreman-debug-Dh54X.tar.xz	85.4 KB	06/04/2013	Ronny M
foreman-vmware.png	162 KB	06/04/2013	Ronny M
compute_resource_vmware_show_existing_vm.png	127 KB	06/04/2013	Ronny M
production.log	78.2 KB	06/04/2013	Ronny M
production-debug.log	66.5 KB	06/04/2013	Ronny M
production-fog-1.8.0-3.log	34.9 KB	06/05/2013	Ronny M
production-foreman1.1-fog-1.9.0.log	4.98 KB	06/05/2013	Ronny M
production_debug_foreman1.2_RC2.log	23.9 KB	06/10/2013	Ronny M
fog-1.9.0-foreman1.1-stable.txt	9.05 KB	06/10/2013	Ronny M
fog-1.11.1-foreman1.2-RC2.txt	3.47 KB	06/10/2013	Ronny M
fog-1.8.0-3-foreman-1.2-RC1	3.52 KB	06/10/2013	Ronny M
production_rbvmomi-1.6.0-1.log	64.6 KB	06/11/2013	Ronny M