

## Foreman - Bug #4418

### 500 error when trying to put large image in a small disk

02/23/2014 10:10 AM - Daniel Lobato Garcia

<b>Status:</b>	New	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Host creation	
<b>Target version:</b>		
<b>Difficulty:</b>		<b>Fixed in Releases:</b>
<b>Triaged:</b>		<b>Found in Releases:</b>
<b>Bugzilla link:</b>		<b>Red Hat JIRA:</b>
<b>Pull request:</b>		

#### Description

When you want to create a host in a Compute Resource, it can be possible that the chosen type of VM (m1.tiny) is too small to install a large image (Fedora 18 full).

In that case, Openstack will respond with

```
failed to create vm: Instance type's disk is too small for requested image.
```

but this is only shown in the logs, Foreman instead shows a 500 error page "string cannot be nil"

```
Started POST "/hosts" for 127.0.0.1 at 2014-02-23 11:05:39 +0100
```

```
Processing by HostsController#create as */*
```

```
Parameters: {"utf8"=>"", "authenticity_token"=>"+3dyCyDKUGpJIEtENaYlkhgbVU2bdlg0M+XqY2a8/08=", "host"=>{"name"=>"aaaaa", "hostgroup_id"=>"", "compute_resource_id"=>"23", "environment_id"=>"16", "puppet_proxy_id"=>"", "puppetclass_ids"=>[""], "managed"=>"true", "progress_report_id"=>"[FILTERED]", "type"=>"Host::Managed", "compute_attributes"=>{"flavor_ref"=>"9", "tenant_id"=>"36c97cbc23654c55a1dd4eb75417c783", "security_group"=>"", "network"=>"", "image_ref"=>"3a2664a2-97c5-4580-bb33-58e364a3255d"}, "mac"=>"", "domain_id"=>"2", "ip"=>"", "interfaces_attributes"=>{"new_interfaces"=>{"_destroy"=>"false", "type"=>"Nic::Managed", "mac"=>"", "name"=>"", "domain_id"=>"", "ip"=>"", "provider"=>"IPMI"}}, "architecture_id"=>"1", "operatingsystem_id"=>"22", "provision_method"=>"image", "build"=>"1", "medium_id"=>"2", "disk"=>"", "root_pass"=>"[FILTERED]", "is_owned_by"=>"", "enabled"=>"1", "model_id"=>"", "comment"=>"", "overwrite"=>"false"}, "capabilities"=>"image"}
```

```
Rendering UserData template for aaaaa.localdomain
```

```
Revoked old certificates and enabled autosign for UserData
```

```
Adding Compute instance for aaaaa.localdomain
```

```
failed to create vm: Instance type's disk is too small for requested image.
```

```
Failed to create a compute ost (OpenStack) instance aaaaa.localdomain: Instance type's disk is too small for requested image.
```

```
/home/daniel/workspace/foreman/cleanforeman/app/models/compute_resources/foreman/model/openstack.rb:64:in `rescue in create_vm'
```

```
/home/daniel/workspace/foreman/cleanforeman/app/models/compute_resources/foreman/model/openstack.rb:53:in `create_vm'
```

```
/home/daniel/workspace/foreman/cleanforeman/app/models/concerns/orchestration/compute.rb:62:in `setCompute'
```

```
/home/daniel/workspace/foreman/cleanforeman/app/models/concerns/orchestration.rb:148:in `execute'
```

```
/home/daniel/workspace/foreman/cleanforeman/app/models/concerns/orchestration.rb:88:in `block in process'
```

```
/home/daniel/workspace/foreman/cleanforeman/app/models/concerns/orchestration.rb:80:in `each'
```

```
/home/daniel/workspace/foreman/cleanforeman/app/models/concerns/orchestration.rb:80:in `process'
```

```
/home/daniel/workspace/foreman/cleanforeman/app/models/concerns/orchestration.rb:18:in `on_save'
```

```
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_support/callbacks.rb:638:in `_run__2230364410368124623__save__2120439120557390228__callbacks'
```

```
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_support/callbacks.rb:405:in `__run_callback'
```

```
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_support/callbacks.rb:385:in `_run_save_callbacks'
```

```
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_support/callbacks.rb:8
```

```
1:in `run_callbacks'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/callbacks.rb:264  
:in `create_or_update'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/persistence.rb:8  
4:in `save'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/validations.rb:5  
0:in `save'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/attribute_method  
s/dirty.rb:22:in `save'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/transactions.rb:  
259:in `block (2 levels) in save'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/transactions.rb:  
313:in `block in with_transaction_returning_status'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/connection_adapt  
ers/abstract/database_statements.rb:192:in `transaction'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/transactions.rb:  
208:in `transaction'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/transactions.rb:  
311:in `with_transaction_returning_status'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/transactions.rb:  
259:in `block in save'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/transactions.rb:  
270:in `rollback_active_record_state!'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/transactions.rb:  
258:in `save'  
/home/daniel/workspace/foreman/cleanforeman/app/models/concerns/foreman/sti.rb:29:in `save_with_ty  
pe'  
/home/daniel/workspace/foreman/cleanforeman/app/controllers/hosts_controller.rb:95:in `create'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_controller/metal/implicit  
_render.rb:4:in `send_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/abstract_controller/base.rb:167:  
in `process_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_controller/metal/renderin  
g.rb:10:in `process_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/abstract_controller/callbacks.rb  
:18:in `block in process_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:5  
27:in `block (3 levels) in _run__2880236789093410755__process_action__840605431410591841__callback  
s'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:2  
15:in `block in _conditional_callback_around_5690'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:3  
26:in `around'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:3  
10:in `_callback_around_837'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:2  
14:in `_conditional_callback_around_5690'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:5  
26:in `block (2 levels) in _run__2880236789093410755__process_action__840605431410591841__callback  
s'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:2  
15:in `block in _conditional_callback_around_5689'  
/home/daniel/workspace/foreman/cleanforeman/app/models/concerns/foreman/thread_session.rb:33:in `c  
lear_thread'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:2  
14:in `_conditional_callback_around_5689'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:4  
15:in `block in _run__2880236789093410755__process_action__840605431410591841__callbacks'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:2  
15:in `block in _conditional_callback_around_5688'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:3  
26:in `around'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:3  
10:in `_callback_around_13'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:2  
14:in `_conditional_callback_around_5688'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:4
```

```
14:in `__run__2880236789093410755__process_action__840605431410591841__callbacks'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:4  
05:in `__run_callback'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:3  
85:in `_run_process_action_callbacks'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:8  
1:in `run_callbacks'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/abstract_controller/callbacks.rb  
:17:in `process_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_controller/metal/rescue.r  
b:29:in `process_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_controller/metal/instrume  
ntation.rb:30:in `block in process_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/notifications.  
rb:123:in `block in instrument'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/notifications/  
instrumenter.rb:20:in `instrument'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/notifications.  
rb:123:in `instrument'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_controller/metal/instrume  
ntation.rb:29:in `process_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_controller/metal/params_w  
rapper.rb:207:in `process_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/railties/control  
ler_runtime.rb:18:in `process_action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/abstract_controller/base.rb:121:  
in `process'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/abstract_controller/rendering.rb  
:45:in `process'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_controller/metal.rb:203:i  
n `dispatch'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_controller/metal/rack_del  
egation.rb:14:in `dispatch'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_controller/metal.rb:246:i  
n `block in action'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/routing/route_se  
t.rb:73:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/routing/route_se  
t.rb:73:in `dispatch'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/routing/route_se  
t.rb:36:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/journey-1.0.4/lib/journey/router.rb:68:in `block in ca  
ll'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/journey-1.0.4/lib/journey/router.rb:56:in `each'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/journey-1.0.4/lib/journey/router.rb:56:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/routing/route_se  
t.rb:608:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/apipie-rails-0.0.24/lib/apipie/static_dispatcher.rb:65  
:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-openid-1.4.2/lib/rack/openid.rb:98:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/best_  
standards_support.rb:17:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/etag.rb:23:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/conditionalget.rb:35:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/head.  
rb:14:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/param  
s_parser.rb:21:in `call'  
/home/daniel/workspace/foreman/cleanforeman/lib/middleware/catch_json_parse_errors.rb:9:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/flash  
.rb:242:in `call'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/session/abstract/id.rb:210:in `con  
text'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/session/abstract/id.rb:205:in `cal  
l'  
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/cookie  
s.rb:341:in `call'
```

```
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/query_cache.rb:64:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activerecord-3.2.16/lib/active_record/connection_adapters/abstract/connection_pool.rb:479:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/callbacks.rb:28:in `block in call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:405:in `_run__265329079733772252__call__2120439120557390228__callbacks'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:405:in `__run_callback'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:385:in `_run_call_callbacks'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/callbacks.rb:81:in `run_callbacks'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/callbacks.rb:27:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/remote_ip.rb:31:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/debug_exceptions.rb:16:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/show_exceptions.rb:56:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/railties-3.2.16/lib/rails/rack/logger.rb:32:in `call_app'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/railties-3.2.16/lib/rails/rack/logger.rb:16:in `block in call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/tagged_logging.rb:22:in `tagged'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/railties-3.2.16/lib/rails/rack/logger.rb:16:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/request_id.rb:22:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/methodoverride.rb:21:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/runtime.rb:17:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/activesupport-3.2.16/lib/active_support/cache/strategy/local_cache.rb:72:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/lock.rb:15:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/actionpack-3.2.16/lib/action_dispatch/middleware/static.rb:63:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-cache-1.2/lib/rack/cache/context.rb:136:in `forward'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-cache-1.2/lib/rack/cache/context.rb:143:in `pass'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-cache-1.2/lib/rack/cache/context.rb:155:in `invalidate'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-cache-1.2/lib/rack/cache/context.rb:71:in `call!'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-cache-1.2/lib/rack/cache/context.rb:51:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/railties-3.2.16/lib/rails/engine.rb:484:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/railties-3.2.16/lib/rails/application.rb:231:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/railties-3.2.16/lib/rails/railtie/configurable.rb:30:in `method_missing'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/builder.rb:134:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/urlmap.rb:64:in `block in call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/urlmap.rb:49:in `each'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/urlmap.rb:49:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/content_length.rb:14:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/railties-3.2.16/lib/rails/rack/debugger.rb:20:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/railties-3.2.16/lib/rails/rack/log_tailer.rb:17:in `call'
/home/daniel/.rvm/gems/ruby-1.9.3-p327/gems/rack-1.4.5/lib/rack/handler/webrick.rb:59:in `service'
/home/daniel/.rvm/rubies/ruby-1.9.3-p327/lib/ruby/1.9.1/webrick/httpserver.rb:138:in `service'
/home/daniel/.rvm/rubies/ruby-1.9.3-p327/lib/ruby/1.9.1/webrick/httpserver.rb:94:in `run'
/home/daniel/.rvm/rubies/ruby-1.9.3-p327/lib/ruby/1.9.1/webrick/server.rb:191:in `block in start_thread'
Rolling back due to a problem: [Set up compute instance aaaaa.localdomain 2 failed [#<Host::Managed id: nil, name: "aaaaa.localdomain", ip: nil, last_compile: nil, last_freshcheck: nil, last_report: nil, updated_at: nil, source_file_id: nil, created_at: nil, mac: nil, root_pass: "$1$xy72VEsi$ofLZoMklde/c8YbjpJkIJ1", serial: nil, puppet_status: 0, domain_id: 2, architecture_id:
```

```
1, operatingsystem_id: 22, environment_id: 16, subnet_id: nil, ptable_id: nil, medium_id: 2, build
: true, comment: "", disk: "", installed_at: nil, model_id: nil, hostgroup_id: nil, owner_id: nil,
owner_type: nil, enabled: true, puppet_ca_proxy_id: nil, managed: true, use_image: nil, image_fil
e: nil, uuid: nil, compute_resource_id: 23, puppet_proxy_id: nil, certname: nil, image_id: 2, orga
nization_id: nil, location_id: nil, type: "Host::Managed", compute_profile_id: nil>, :setCompute]]
Failed to save: Failed to create a compute ost (OpenStack) instance aaaaa.localdomain: Instance ty
pe's disk is too small for requested image.
```