

Foreman - Bug #16547

Fact importing fails with NoMethodError: undefined method `first' for nil:NilClass

09/14/2016 04:09 AM - Ohad Levy

Status:	Closed	
Priority:	Normal	
Assignee:	Dominic Cleal	
Category:	Facts	
Target version:	1.13.0	
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases: Nightly
Bugzilla link:	1432184	Red Hat JIRA:
Pull request:	https://github.com/foreman/foreman/pull/3879	

Description

```
016-09-14T09:01:10 b740424a [app] [I] Processing by Api::V2::HostsController#facts as JSON
2016-09-14T09:01:10 b740424a [app] [I] Parameters: {"facts"=>"[FILTERED]", "name"=>"h04.example.com", "certname"=>"4471ddcd-9051-4299-9819-4d9a8b400fcc", "apiv"=>"v2", :host=>{"certname"=>"4471ddcd-9051-4299-9819-4d9a8b400fcc", "name"=>"h04.example.com"}}
2016-09-14T09:01:10 b740424a [app] [I] Import facts for 'h04.example.com' completed. Added: 0, Updated: 4, Deleted 0 facts
2016-09-14T09:01:10 b740424a [app] [W] Action failed
| NoMethodError: undefined method `first' for nil:NilClass
| /home/foreman/git/foreman/app/models/host/base.rb:178:in `block in set_interfaces'
| /home/foreman/git/foreman/app/models/host/base.rb:177:in `each'
| /home/foreman/git/foreman/app/models/host/base.rb:177:in `set_interfaces'
| /home/foreman/git/foreman/app/models/host/base.rb:154:in `populate_fields_from_facts'
| /home/foreman/git/foreman/app/models/host/managed.rb:464:in `populate_fields_from_facts'
| /home/foreman/git/foreman/app/models/host/base.rb:131:in `import_facts'
| /home/foreman/git/foreman/app/models/host/managed.rb:305:in `import_facts'
| /home/foreman/git/foreman/app/controllers/api/v2/hosts_controller.rb:240:in `facts'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_controller/metal/implicit_render.rb:4:in `send_action'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/abstract_controller/base.rb:198:in `process_action'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_controller/metal/rendering.rb:10:in `process_action'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/abstract_controller/callbacks.rb:20:in `block in process_action'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:117:in `call'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:117:in `call'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:555:in `block (2 levels) in compile'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:505:in `call'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:505:in `call'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:498:in `block (2 levels) in around'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:313:in `call'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:313:in `block (2 levels) in halting'
| /home/foreman/git/foreman/app/controllers/api/v2/base_controller.rb:152:in `disable_json_root'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:432:in `block in make_lambda'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:312:in `call'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:312:in `block in halting'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:497:in `call'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:497:in `block in around'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/callbacks.rb:505:in `call'
```



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| /home/foreman/gems/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:497:in `block in
around'
| /home/foreman/gems/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:505:in `call'
| /home/foreman/gems/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:505:in `call'
| /home/foreman/gems/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:92:in `__run_call
backs__'
| /home/foreman/gems/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:778:in `_run_proc
ess_action_callbacks'
| /home/foreman/gems/gems/activestorage-4.2.7.1/lib/active_storage/callbacks.rb:81:in `run_callba
cks'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/abstract_controller/callbacks.rb:19:in `process_
action'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_controller/metal/rescue.rb:29:in `process_
_action'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_controller/metal/instrumentation.rb:32:in
`block in process_action'
| /home/foreman/gems/gems/activestorage-4.2.7.1/lib/active_storage/notifications.rb:164:in `block
in instrument'
| /home/foreman/gems/gems/activestorage-4.2.7.1/lib/active_storage/notifications/instrumenter.rb:
20:in `instrument'
| /home/foreman/gems/gems/activestorage-4.2.7.1/lib/active_storage/notifications.rb:164:in `instr
ument'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_controller/metal/instrumentation.rb:30:in
`process_action'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_controller/metal/params_wrapper.rb:250:in
`process_action'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/railties/controller_runtime.rb:1
8:in `process_action'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/abstract_controller/base.rb:137:in `process'
| /home/foreman/gems/gems/actionview-4.2.7.1/lib/action_view/rendering.rb:30:in `process'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_controller/metal.rb:196:in `dispatch'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_controller/metal/rack_delegation.rb:13:in
`dispatch'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_controller/metal.rb:237:in `block in acti
on'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/routing/route_set.rb:74:in `call'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/routing/route_set.rb:74:in `disp
atch'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/routing/route_set.rb:43:in `serv
e'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/routing/mapper.rb:49:in `serve'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/journey/router.rb:43:in `block i
n serve'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/journey/router.rb:30:in `each'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/journey/router.rb:30:in `serve'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/routing/route_set.rb:817:in `cal
l'
| /home/foreman/gems/gems/apipie-rails-0.3.6/lib/apipie/static_dispatcher.rb:65:in `call'
| /home/foreman/gems/gems/apipie-rails-0.3.6/lib/apipie/extractor/recorder.rb:132:in `call'
| /home/foreman/gems/gems/apipie-rails-0.3.6/lib/apipie/middleware/checksum_in_headers.rb:27:in `
call'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/etag.rb:24:in `call'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/conditionalget.rb:38:in `call'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/head.rb:13:in `call'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/params_parser.rb:27:i
n `call'
| /home/foreman/git/foreman/lib/middleware/catch_json_parse_errors.rb:8:in `call'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/flash.rb:260:in `call'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/session/abstract/id.rb:225:in `context'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/session/abstract/id.rb:220:in `call'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/cookies.rb:560:in `ca
ll'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/query_cache.rb:36:in `call'
| /home/foreman/gems/gems/activerecord-4.2.7.1/lib/active_record/connection_adapters/abstract/con
nection_pool.rb:653:in `call'
```

```

| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/callbacks.rb:29:in `block in call'
| /home/foreman/gems/gems/activesupport-4.2.7.1/lib/active_support/callbacks.rb:88:in `__run_callbacks__'
| /home/foreman/gems/gems/activesupport-4.2.7.1/lib/active_support/callbacks.rb:778:in `_run_callbacks'
| /home/foreman/gems/gems/activesupport-4.2.7.1/lib/active_support/callbacks.rb:81:in `run_callbacks'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/callbacks.rb:27:in `call'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/remote_ip.rb:78:in `call'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/debug_exceptions.rb:17:in `call'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/show_exceptions.rb:30:in `call'
| /home/foreman/gems/gems/railties-4.2.7.1/lib/rails/rack/logger.rb:38:in `call_app'
| /home/foreman/gems/gems/railties-4.2.7.1/lib/rails/rack/logger.rb:22:in `call'
| /home/foreman/gems/gems/quiet_assets-1.1.0/lib/quiet_assets.rb:27:in `call_with_quiet_assets'
| /home/foreman/git/foreman/lib/middleware/tagged_logging.rb:18:in `call'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/request_id.rb:21:in `call'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/methodoverride.rb:22:in `call'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/runtime.rb:18:in `call'
| /home/foreman/gems/gems/activesupport-4.2.7.1/lib/active_support/cache/strategy/local_cache_middleware.rb:28:in `call'
| /home/foreman/gems/gems/actionpack-4.2.7.1/lib/action_dispatch/middleware/static.rb:120:in `call'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/sendfile.rb:113:in `call'
| /home/foreman/gems/gems/secure_headers-3.4.1/lib/secure_headers/middleware.rb:12:in `call'
| /home/foreman/gems/gems/railties-4.2.7.1/lib/rails/engine.rb:518:in `call'
| /home/foreman/gems/gems/railties-4.2.7.1/lib/rails/application.rb:165:in `call'
| /home/foreman/gems/gems/railties-4.2.7.1/lib/rails/railtie.rb:194:in `public_send'
| /home/foreman/gems/gems/railties-4.2.7.1/lib/rails/railtie.rb:194:in `method_missing'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/urlmap.rb:66:in `block in call'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/urlmap.rb:50:in `each'
| /home/foreman/gems/gems/rack-1.6.4/lib/rack/urlmap.rb:50:in `call'
| /root/.gem/gems/passenger-5.0.7/lib/phusion_passenger/rack/thread_handler_extension.rb:89:in `process_request'
| /root/.gem/gems/passenger-5.0.7/lib/phusion_passenger/request_handler/thread_handler.rb:155:in `accept_and_process_next_request'
| /root/.gem/gems/passenger-5.0.7/lib/phusion_passenger/request_handler/thread_handler.rb:110:in `main_loop'
| /root/.gem/gems/passenger-5.0.7/lib/phusion_passenger/request_handler.rb:414:in `block (3 levels) in start_threads'
| /root/.gem/gems/passenger-5.0.7/lib/phusion_passenger/utils.rb:111:in `block in create_thread_and_abort_on_exception'
| /home/foreman/gems/gems/logging-2.1.0/lib/logging/diagnostic_context.rb:450:in `call'
| /home/foreman/gems/gems/logging-2.1.0/lib/logging/diagnostic_context.rb:450:in `block in create_with_logging_context'
2016-09-14T09:01:10 b740424a [app] [I] Rendered api/v2/errors/standard_error.json.rabl within api/v2/layouts/error_layout (0.8ms)
2016-09-14T09:01:10 b740424a [app] [I] Completed 500 Internal Server Error in 299ms (Views: 1.7ms | ActiveRecord: 109.5ms)

```

the facts in question are (output of `FACTER_domain=example.com facter --json`)

```

{"domain":"example.com","architecture":"x86_64","augeasversion":"1.4.0","kernel":"Linux","blockdevice_sda_size":500107862016,"blockdevice_sda_vendor":"ATA","blockdevice_sda_model":"ST500NM0011","blockdevices":["sda"],"macaddress":"02:42:95:9c:45:94","osfamily":"RedHat","operatingsystem":"RedHat","facterversion":"1.7.6","filesystems":["xfs"],"fqdn":"h04.example.com","hardwareisa":"x86_64","hardwaremodel":"x86_64","hostname":"h04","id":"root","interfaces":["br_14703d60d2bb","docker0","em1","em2","lo","veth028afe7","veth42ffacc","vethac0da22","vethd78747b","vethf42b68f","virbr0","virbr0_nic"],"ipaddress_br_14703d60d2bb":"172.18.0.1","macaddress_br_14703d60d2bb":"02:42:95:9c:45:94","netmask_br_14703d60d2bb":"255.255.0.0","ipaddress_docker0":"172.17.0.1","macaddress_docker0":"02:42:68:70:81:52","netmask_docker0":"255.255.0.0","ipaddress_em1":"10.35.27.135","macaddress_em1":"84:8f:69:fe:27:05","netmask_em1":"255.255.255.192","macaddress_em2":"84:8f:69:fe:27:06","ipaddress_lo":"127.0.0.1","netmask_lo

```

```
": "255.0.0.0", "macaddress_veth028afe7": "4e:8a:2d:01:7f:0f", "macaddress_veth42ffacc": "8a:ec:65:2e:b6:f2", "macaddress_vethac0da22": "e2:77:c0:86:dd:7d", "macaddress_vethd78747b": "e6:d1:0c:d4:f9:a9", "macaddress_vethf42b68f": "56:79:5d:23:c1:fa", "ipaddress_virbr0": "192.168.122.1", "macaddress_virbr0": "52:54:00:35:c8:71", "netmask_virbr0": "255.255.255.0", "macaddress_virbr0_nic": "52:54:00:35:c8:71", "ipaddress": "172.18.0.1", "kernelmajversion": "3.10", "kernelrelease": "3.10.0-327.18.2.el7.x86_64", "kernelversion": "3.10.0", "boardmanufacturer": "Dell Inc.", "boardproductname": "0TTH1R", "boardserialnumber": ".BZ73F5J.CN70163260008X.", "bios_vendor": "Dell Inc.", "bios_version": "1.0.21", "bios_release_date": "04/26/2012", "manufacturer": "Dell Inc.", "productname": "PowerEdge C6220", "serialnumber": "BZ73F5J", "uuid": "4C4C4544-005A-3710-8033-C2C04F46354A", "type": "Rack Mount Chassis", "memorysize": "23.35 GB", "memoryfree": "21.75 GB", "swapspace": "11.81 GB", "swapfree": "11.81 GB", "swapspace_mb": "12096.00", "swapfree_mb": "12096.00", "memorysize_mb": "23906.50", "memoryfree_mb": "22273.37", "memorytotal": "23.35 GB", "netmask": "255.255.0.0", "network_br_14703d60d2bb": "172.18.0.0", "network_docker0": "172.17.0.0", "network_em1": "10.35.27.128", "network_lo": "127.0.0.0", "network_virbr0": "192.168.122.0", "operatingsystemmajrelease": "7", "operatingsystemrelease": "7.2", "path": "/root/.gem/bin:/root/.gem/ruby/1.8/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/root/bin:/sbin:/usr/sbin:/root/scripts", "physicalprocessorcount": "1", "processor0": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor1": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor2": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor3": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor4": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor5": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor6": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor7": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor8": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor9": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor10": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processor11": "Intel(R) Xeon(R) CPU E5-2620 0 @ 2.00GHz", "processorcount": "12", "ps": "ps -ef", "puppetversion": "3.6.2", "rubysitedir": "/usr/local/share/ruby/site_ruby/", "rubyversion": "2.0.0", "selinux": "true", "selinux_enforced": "true", "selinux_policyversion": "28", "selinux_current_mode": "enforcing", "selinux_config_mode": "enforcing", "selinux_config_policy": "unknown", "selinux_mode": "unknown", "sshkey": "AAAAB3NzaC1yc2EAAAADAQABAAQDTHoJ1JJuJl4wwQhGSblWsxalrThfOrsFyE9flkwKDoTLyXonq30yUWfMOK0cQuDSyBTE8dzflbP9oVFlGikfwCTPvcOtcgstYbrEMlhh8Sgu9xDHmn/2OF01h84opeeNRtr88TNCpyerS7JPYud9TROBX3moejyIvOn7FFdNsy6NXG57mNOTUP+4037SnIOMcBOGv7mtri+Z1CDNjXmBENf08/5kFShbnhmt4o9bC/MveivYXGx9cdSusGckjUHUm8Jk7diOOuaLb7bzt1D6eKS61BMN0KultAvqegc3iiUbUGFm/p4Uq3qL5CFcImkT2w40xgrfp0VRZIkZ", "sshfp_rsa": "SSHFP 1 1 81c7f3baef736f64012b497c1192dec7f6203169\nSSHFP 1 2 4bb72ddd99b362886c5d27df31b1dd9cd65256ec6f3f82c7f6ebd0ac48e65056", "sshkey_ecdsa": "AAAEE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBBUhN+RjwpOQaJl9NZ9rP9RvPRIb3qp3VBQ8s9anlkB4dSV7/9FQzR+ctm+pz4QQo6kkqlw5hJ+siKgUqwT5k0=", "sshfp_ecdsa": "SSHFP 3 1 85048bfa64d381b4f0eb221acb4a5ae27f65deb\nSSHFP 3 2 b9bdfd11388ca68298598cf73184ef72d8b91c73b118344d4b10104c10dbd42d", "timezone": "UTC", "uniqueid": "230a871b", "uptime": "113 days", "uptime_days": "113", "uptime_hours": "2716", "uptime_seconds": "9778327", "virtual": "physical", "is_virtual": "false"}
```

Related issues:

Related to Foreman - Bug #16073: Changing interfaces on unmanaged hosts leads...	Closed	08/11/2016
Has duplicate Foreman - Bug #16583: error during import_facts when get_interf...	Duplicate	09/16/2016

Associated revisions

Revision dc212679 - 09/23/2016 09:45 AM - Dominic Cleal

fixes #16547 - handle nil value from get_interface_scope

Since 7b75a6a, get_interface_scope may return no scope for managed hosts when importing a physical interface not already known by MAC address.

Revision 0a18d150 - 09/26/2016 07:39 AM - Dominic Cleal

fixes #16547 - handle nil value from get_interface_scope

Since 7b75a6a, get_interface_scope may return no scope for managed hosts when importing a physical interface not already known by MAC address. (cherry picked from commit dc2126790aeaa0160f7e9ae6f8f86319b9f60e3d)

History

#1 - 09/14/2016 04:23 AM - Dominic Cleal

- Subject changed from fact importing fails to Fact importing fails with NoMethodError: undefined method `first' for nil:NilClass

It would be helpful if you can get more specific information about which interface is failing, and under what circumstances (type of interface, MAC address behaviour) the get_interface_scope method is returning a nil scope. I can't reproduce this at the moment.

#2 - 09/14/2016 04:33 AM - Ohad Levy

Dominic Cleal wrote:

It would be helpful if you can get more specific information about which interface is failing, and under what circumstances (type of interface, MAC address behaviour) the `get_interface_scope` method is returning a nil scope. I can't reproduce this at the moment.

with the following code change:

```
diff --git a/app/models/host/base.rb b/app/models/host/base.rb
index 419c568..8869bcf 100644
--- a/app/models/host/base.rb
+++ b/app/models/host/base.rb
@@ -175,9 +175,14 @@ module Host
     end

     parser.interfaces.each do |name, attributes|
+   begin
       iface = get_interface_scope(name, attributes).first || interface_class(name).new(:managed => fal
       # create or update existing interface
       set_interface(attributes, name, iface)
+   rescue => e
+     logger.warn("Failed to process interface: #{name}/#{iface} - #{attributes}")
+     raise e
+   end
     end
  end
```

the output is:

```
Failed to process interface: docker0/ - {"ipaddress"=>"172.17.0.1", "macaddress"=>"02:42:68:70:81:52", "netmas
k"=>"255.255.0.0", "network"=>"172.17.0.0", "link"=>"false", "virtual"=>false}
```

#3 - 09/16/2016 10:13 AM - Dominic Cleal

- Has duplicate Bug #16583: error during `import_facts` when `get_interface_scope()` returns nil added

#4 - 09/16/2016 11:33 AM - The Foreman Bot

- Status changed from New to Ready For Testing
- Assignee set to Thomas McKay
- Pull request <https://github.com/foreman/foreman/pull/3856> added

#5 - 09/19/2016 05:01 AM - Dominic Cleal

- Related to Bug #16073: Changing interfaces on unmanaged hosts leads to an invalid host added

#6 - 09/19/2016 05:01 AM - Dominic Cleal

- translation missing: `en.field_release` set to 160

#7 - 09/23/2016 05:21 AM - The Foreman Bot

- Pull request <https://github.com/foreman/foreman/pull/3879> added

#8 - 09/23/2016 10:03 AM - Dominic Cleal

- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset [dc2126790aeaa0160f7e9ae6f8f86319b9f60e3d](#).

#9 - 09/23/2016 10:03 AM - Dominic Cleal

- Assignee changed from Thomas McKay to Dominic Cleal

#10 - 03/15/2017 04:27 AM - Tomer Brisker

- Pull request deleted (<https://github.com/foreman/foreman/pull/3856>)

#11 - 03/23/2017 10:50 AM - Sean O'Keeffe

- Bugzilla link set to 1432184