

Foreman - Bug #9144

hammer host create with mac results in "mac value is blank"

01/28/2015 08:21 AM - Bryan Kearney

Status:	Resolved	
Priority:	Normal	
Assignee:		
Category:	API	
Target version:		
Difficulty:		Fixed in Releases:
Triaged:		Found in Releases:
Bugzilla link:	1177570	Red Hat JIRA:
Pull request:		

Description

Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1177570

Description of problem:

Customer is attempting to create a new host using the hammer command:

```
hammer -d host create --architecture-id 1 --domain-id 1 --environment-id 3 --hostgroup-id 3 --medium-id 7 --mac 52:54:00:12:34:45 --name example-vm --operatingsystem-id 1 --owner-id 3 --partition-table-id 7 --provision-method build --puppet-ca-proxy-id 1 --puppet-proxy-id 1 --ask-root-password true --subnet-id 1 --compute-resource-id 1 --compute-profile "2-Medium" --compute-attributes start=true --model-id 1
```

This fails with the error "mac value is blank" despite the MAC of the intended host being supplied. The following debug log is generated from the command:

```
[ INFO 2014-12-23 11:49:52 Init] Initialization of Hammer CLI (0.1.1) has started...
[DEBUG 2014-12-23 11:49:52 Init] Running at ruby 1.8.7-p374
[ INFO 2014-12-23 11:49:52 Init] Configuration from the file /etc/hammer/cli_config.yml has been loaded
[ INFO 2014-12-23 11:49:52 Init] Configuration from the file /etc/hammer/cli.modules.d/foreman.yml has been loaded
[ INFO 2014-12-23 11:49:52 Init] Configuration from the file /etc/hammer/cli.modules.d/import.yml has been loaded
[ INFO 2014-12-23 11:49:52 Init] Configuration from the file /etc/hammer/cli.modules.d/katello.yml has been loaded
[DEBUG 2014-12-23 11:49:52 Connection] Registered: foreman
[DEBUG 2014-12-23 11:49:52 API] Global headers: {
  :accept => "application/json;version=2",
  :content_type => "application/json",
  "Accept-Language" => "en"
}
[ INFO 2014-12-23 11:49:53 Modules] Extension module hammer_cli_foreman (0.1.1) loaded
[ INFO 2014-12-23 11:49:53 Modules] Extension module hammer_cli_import (0.10.4) loaded
[ INFO 2014-12-23 11:49:53 HammerCLI::MainCommand] subcommand organization (HammerCLIForeman::Organization) was removed.
[ INFO 2014-12-23 11:49:53 HammerCLI::MainCommand] subcommand organization (HammerCLIKatello::Organization) was created.
[ INFO 2014-12-23 11:49:53 Modules] Extension module hammer_cli_katello (0.0.4) loaded
[DEBUG 2014-12-23 11:49:53 Init] Using locale 'en'
[DEBUG 2014-12-23 11:49:53 Init] 'mo' files for locale domain 'hammer-cli' loaded from '/usr/lib/ruby/gems/1.8/gems/hammer_cli-0.1.1/locale'
[DEBUG 2014-12-23 11:49:53 Init] 'mo' files for locale domain 'hammer-cli-foreman' loaded from '/usr/lib/ruby/gems/1.8/gems/hammer_cli_foreman-0.1.1/locale'
[DEBUG 2014-12-23 11:49:53 Init] 'mo' files for locale domain 'hammer-cli-katello' loaded from '/usr/lib/ruby/gems/1.8/gems/hammer_cli_katello-0.0.4/locale'
[ INFO 2014-12-23 11:49:53 HammerCLI::MainCommand] Called with options: {"option_debug"=>true}
[ INFO 2014-12-23 11:49:53 HammerCLIForeman::Host] Called with options: {}
```

```

[ INFO 2014-12-23 11:49:53 HammerCLIForeman::Host::CreateCommand] Called with options: {"option_puppet_ca_proxy_id"=>"1", "option_managed"=>true, "option_operatingsystem_id"=>"1", "option_domain_id"=>"1", "option_hostgroup_id"=>"3", "option_model_id"=>"1", "option_puppet_proxy_id"=>"1", "option_subnet_id"=>"1", "option_owner_id"=>"3", "option_name"=>"example_vm", "option_build"=>true, "option_environment_id"=>"3", "option_mac"=>"52:54:00:12:34:45", "option_compute_profile_name"=>"2-Medium", "option_compute_resource_id"=>"1", "option_partition_table_id"=>"7", "option_ask_root_password"=>"***", "option_architecture_id"=>"1", "option_medium_id"=>"7", "option_interface_list"=>[], "option_compute_attributes"=>{"start"=>"true"}, "option_enabled"=>true, "option_provision_method"=>"build", "option_volume_list"=>[]}
[ INFO 2014-12-23 11:49:53 API] GET /api/compute_profiles
[DEBUG 2014-12-23 11:49:53 API] Params: {
  :search => "name = \"2-Medium\""
}
[DEBUG 2014-12-23 11:49:53 API] Headers: {
  :params => {
    :search => "name = \"2-Medium\""
  }
}
[DEBUG 2014-12-23 11:49:54 API] Response {
  "sort" => {
    "by" => nil,
    "order" => nil
  },
  "total" => 3,
  "page" => 1,
  "search" => "name = \"2-Medium\"",
  "results" => [
    [0] {
      "updated_at" => "2014-12-15T19:20:25Z",
      "created_at" => "2014-12-15T19:20:25Z",
      "name" => "2-Medium",
      "id" => 2
    }
  ],
  "per_page" => 50,
  "subtotal" => 1
}
Enter the root password for the host:
[ INFO 2014-12-23 11:50:00 API] POST /api/hosts
[DEBUG 2014-12-23 11:50:00 API] Params: {
  "host" => {
    "ptable_id" => "7",
    "compute_profile_id" => 2,
    "root_pass" => "*REDACTED*",
    "owner_id" => "3",
    "medium_id" => "7",
    "managed" => true,
    "provision_method" => "build",
    "puppet_ca_proxy_id" => "1",
    "hostgroup_id" => "3",
    "model_id" => "1",
    "operatingsystem_id" => "1",
    "puppet_proxy_id" => "1",
    "build" => true,
    "mac" => "52:54:00:12:34:45",
    "environment_id" => "3",
    "domain_id" => "1",
    "architecture_id" => "1",
    "host_parameters_attributes" => {},
    "enabled" => true,
    "subnet_id" => "1",
    "name" => "example_vm",
    "compute_attributes" => {
      "start" => "true",
    },
    "interfaces_attributes" => {},
    "volumes_attributes" => {},
    "nics_attributes" => {}
  }
}

```

```
    },
    "compute_resource_id" => "1"
  }
}
[DEBUG 2014-12-23 11:50:00 API] Headers: {}
[DEBUG 2014-12-23 11:50:02 API] 422 Unprocessable Entity
{
  "error" => {
    "errors" => {
      "base" => [
        [0] "mac value is blank!"
      ]
    },
    "full_messages" => [
      [0] "mac value is blank!"
    ],
    "id" => nil
  }
}
[ERROR 2014-12-23 11:50:02 Exception] mac value is blank!
Could not create the host:
  mac value is blank!
```

Version-Release number of selected component (if applicable):

```
foreman-1.6.0.49-1.el6sat.noarch
foreman-compute-1.6.0.49-1.el6sat.noarch
foreman-gce-1.6.0.49-1.el6sat.noarch
foreman-libvirt-1.6.0.49-1.el6sat.noarch
foreman-ovirt-1.6.0.49-1.el6sat.noarch
foreman-postgresql-1.6.0.49-1.el6sat.noarch
foreman-proxy-1.6.0.30-1.el6sat.noarch
foreman-selinux-1.6.0.14-1.el6sat.noarch
foreman-vmware-1.6.0.49-1.el6sat.noarch
ruby193-rubygem-foreman_bootdisk-2.0.6-1.1.el6sat.noarch
ruby193-rubygem-foreman_discovery-1.3.0-2.el6sat.noarch
ruby193-rubygem-foreman_hooks-0.3.5-2.el6sat.noarch
ruby193-rubygem-foreman-redhat_access-0.0.4-1.el6sat.noarch
ruby193-rubygem-foreman-tasks-0.6.9-1.1.el6sat.noarch
rubygem-hammer_cli-0.1.1-12.el6sat.noarch
rubygem-hammer_cli_foreman-0.1.1-16.el6sat.noarch
rubygem-hammer_cli_foreman_tasks-0.0.3-3.el6sat.noarch
rubygem-hammer_cli_import-0.10.4-1.3.el6sat.noarch
rubygem-hammer_cli_katello-0.0.4-14.el6sat.noarch
satellite-master.engi.oanda.com-foreman-client-1.0-1.noarch
satellite-master.engi.oanda.com-foreman-proxy-1.0-1.noarch
```

How reproducible:

Every time

Steps to Reproduce:

1. run command

Actual results:

Failure with "mac value is blank"

Expected results:

Successful virtual machine creation.

Additional info:

See bug <http://projects.theforeman.org/issues/7265>

History

#1 - 01/28/2015 08:25 AM - Dominic Cleal

- Description updated
- Category set to API
- Status changed from New to Need more information
- Assignee deleted (Ohad Levy)

It's helpful if you can format the text so it's readable.

What type of compute resource is being used? I can see it's a PXE build being requested.

Please also provide server-side logs.

#2 - 02/11/2015 04:03 PM - Shlomi Zadok

Can't reproduce. Using: foreman 1.8-develop, hammer_cli-0.1.4, hammer_cli_foreman-0.1.4.

The response I got:

Hammer

```
Params: {
  "host" => {
    "name" => "example-vm",
    "location_id" => "1",
    "organization_id" => "1",
    "environment_id" => "3",
    "mac" => "52:54:00:12:34:45",
    "architecture_id" => "1",
    "domain_id" => "1",
    "puppet_proxy_id" => "1",
    "operatingsystem_id" => "1",
    "medium_id" => "7",
    "ptable_id" => "7",
    "subnet_id" => "1",
    "compute_resource_id" => "1",
    "model_id" => "1",
    "hostgroup_id" => "3",
    "puppet_ca_proxy_id" => "1",
    "build" => true,
    "enabled" => true,
    "provision_method" => "build",
    "managed" => true,
    "compute_profile_id" => 2,
    "compute_attributes" => {
      "start" => "true",
    },
    "volumes_attributes" => {},
    "interfaces_attributes" => {},
    "nics_attributes" => {}
  },
  "owner_id" => "3",
  "puppetclass_ids" => nil,
  "host_parameters_attributes" => {
    "root_pass" => "12121212"
  }
}
```

Foreman log:

Started POST "/api/hosts" for 127.0.0.1 at 2015-02-11 22:58:02 +0200

Processing by Api::V2::HostsController#create as JSON

```
Parameters: {"host"=>{"name"=>"example-vm", "location_id"=>"1", "organization_id"=>"1", "environment_id"=>"3", "mac"=>"52:54:00:12:34:45", "architecture_id"=>"1", "domain_id"=>"1", "puppet_proxy_id"=>"1", "operatingsystem_id"=>"1", "medium_id"=>"7", "ptable_id"=>"7", "subnet_id"=>"1", "compute_resource_id"=>"1", "model_id"=>"1", "hostgroup_id"=>"3", "puppet_ca_proxy_id"=>"1", "build"=>true, "enabled"=>true, "provision_method"=>"build", "managed"=>true, "compute_profile_id"=>2, "compute_attributes"=>{"start"=>"true", "volumes_attributes"=>{}}, "interfaces_attributes"=>{}, "nics_attributes"=>{}}, "owner_id"=>"3", "puppetclass_ids"=>nil, "host_parameters_attributes"=>{"root_pass"=>"[FILTERED]"}, "apiv"=>"v2"}
```

(* it failed cause my smart-proxy was down. but that's irrelevant)

#3 - 02/16/2015 08:39 AM - Tom Caspy

yup, odd indeed, I just verified it on my machine as well, it worked as expected.

Also, there's an automated test for this (in foreman, don't know about hammer, but it should work)

#4 - 03/24/2015 07:56 AM - The Foreman Bot

- Status changed from *Need more information* to *Ready For Testing*
- Pull request <https://github.com/theforeman/foreman/pull/2262> added
- Pull request deleted ()

#5 - 03/24/2015 09:16 AM - Tom Caspy

- Status changed from *Ready For Testing* to *Closed*
- Pull request added
- Pull request deleted (<https://github.com/theforeman/foreman/pull/2262>)

#6 - 03/24/2015 09:17 AM - The Foreman Bot

- Pull request <https://github.com/theforeman/foreman/pull/2262> added
- Pull request deleted ()

#7 - 03/24/2015 09:50 AM - Dominic Cleal

- Status changed from *Closed* to *Resolved*

#8 - 09/03/2015 07:18 AM - Marek Hulán

- Pull request added
- Pull request deleted (<https://github.com/theforeman/foreman/pull/2262>)