Foreman - Bug #10421

Adding a parameter to a host via API fails based on URL used

05/07/2015 08:46 PM - Tom McLaughlin

Status:	Rejected		
Priority:	Normal		
Assignee:			
Category:	API		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	1.7.4
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

Was trying to use python-foreman to create host parameters but it threw exceptions on me. Narrowed it down to an issue with the URL being used using *"/api/hosts/i-036c522c.example.com/parameters"* works while *"/api/hosts/i-036c522c.example.com"* does not. I'm not sure if this is a bug in the Foreman API or in python Foreman and could use some clarification. Below are two examples.

```
$ curl -u <removed> -H "Content-Type:application/json" -H "Accept:application/json;version=2" -X P
UT -d '{"host": {"parameters": [{"name": "key1", "value": "val1"}]}}' http://foreman.example.com/a
pi/hosts/i-036c522c.example.com
{
  "error": {"message":"undefined method `id' for nil:NilClass"}
}
```

- production.log


```
Started PUT "/api/hosts/i-036c522c.jana-net.com" for 10.181.22.149 at 2015-05-08 00:23:17 +000
0
Processing by Api::V2::HostsController#update as JSON
  Parameters: {"host"=>{"parameters"=>[{"name"=>"k9", "value"=>"[FILTERED]"}]}, "apiv"=>"v2",
"id"=>"i-036c522c.jana-net.com"}
  User Load (0.9ms)  SELECT "users".* FROM "users" WHERE "users"."lower_login" = 'tom' LIMIT 1
  AuthSource Load (0.8ms)  SELECT "auth_sources".* FROM "auth_sources" WHERE "auth_sources"."i
d" = 1 LIMIT 1
  CACHE (0.0ms)  SELECT "users".* FROM "users" WHERE "users"."lower_login" = 'tom' LIMIT 1
Authenticated user Tom McLaughlin against INTERNAL authentication source
  User Load (0.8ms)  SELECT "users".* FROM "users" WHERE "users"."lower_login" = 'foreman_admi
n' LIMIT 1
Setting current user thread-local variable to foreman_admin
   (0.6ms)  BEGIN
   (0.8ms)  UPDATE "users" SET "last_login_on" = '2015-05-08 00:23:17.197197', "updated_at" =
'2015-05-08 00:23:17.198544' WHERE "users"."id" = 4
Expire fragment views/tabs_and_title_records-4 0.1ms
  Role Load (0.7ms)  SELECT "roles".* FROM "roles" WHERE "roles"."name" = 'Anonymous' LIMIT 1
  SQL (0.8ms)  SELECT "roles".id FROM "roles" INNER JOIN "user_roles" ON "roles"."id" = "user_
roles"."role_id" WHERE "user_roles"."owner_id" = 4 AND "user_roles"."owner_type" = 'User'
   (3.3ms)  COMMIT
  CACHE (0.0ms)  SELECT "roles".* FROM "roles" WHERE "roles"."name" = 'Anonymous' LIMIT 1
  Role Exists (0.8ms)  SELECT 1 AS one FROM "roles" INNER JOIN "user_roles" ON "roles"."id" =
"user_roles"."role_id" WHERE "user_roles"."owner_id" = 4 AND "user_roles"."owner_type" = 'User
' AND "roles"."i
d" = 8 LIMIT 1
Setting current user thread-local variable to nil
Setting current user thread-local variable to tom
  AuthSourceHidden Load (0.8ms)  SELECT "auth_sources".* FROM "auth_sources" WHERE "auth_sourc
es"."type" IN ('AuthSourceHidden')
  User Load (0.9ms)  SELECT "users".* FROM "users" WHERE "users"."lower_login" = 'tom' AND (us
ers.auth_source_id <> 2) ORDER BY firstname LIMIT 1
```

```
Authorized user tom(Tom McLaughlin)
Setting current user thread-local variable to tom
  Host::Managed Load (1.1ms)  SELECT "hosts".* FROM "hosts" WHERE "hosts"."type" IN ('Host::Ma
naged') AND "hosts"."name" = 'i-036c522c.jana-net.com' LIMIT 1
    (0.6ms)  BEGIN
  HostParameter Load (0.8ms)  SELECT "parameters".* FROM "parameters" WHERE "parameters"."type
" IN ('HostParameter') AND "parameters"."name" = 'k9' ORDER BY parameters.name LIMIT 1
    (0.6ms)  ROLLBACK
undefined method `id' for nil:NilClass (NoMethodError)
/usr/share/foreman/app/models/concerns/has_many_common.rb:61:in `block (2 levels) in has_many_
names_for'
/usr/share/foreman/app/models/concerns/has_many_common.rb:60:in `map'
/usr/share/foreman/app/models/concerns/has_many_common.rb:60:in `block in has_many_names_for'
```

This method is successful:

```
$ curl -u  <removed> -H "Content-Type:application/json" -H "Accept:application/json,version=2" -X
POST -d  '{"name":"key2","value":"val2"}'  http://foreman.example.com/api/hosts/i-036c522c.example
.com/parameters
{"id":26,"name":"key2","value":"val2","priority":4,"created_at":"2015-05-08T00:35:34Z","updated_at
":"2015-05-08T00:35:34Z"}
```

History

#1 - 05/08/2015 10:38 AM - Tom McLaughlin

Narrowed this down as a python-foreman issue and something to do with the API definitions cache retrieved from Foreman and used by the module.
Following up on that end instead.

#2 - 05/08/2015 10:39 AM - Dominic Cleal

- Status changed from New to Rejected