

Foreman - Bug #13622

500 when updating a host with null "nested" params

02/09/2016 10:04 AM - Walden Raines

Status: Closed	
Priority: Normal	
Assignee:	
Category: API	
Target version:	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	
<p>The error:</p> <pre>2016-02-09T14:45:14 [app] [W] Action failed ActionController::DoubleRenderError: Render and/or redirect were called multiple times in thi s action. Please note that you may only call render OR redirect, and at most once per action. Also note that neither redirect nor render terminate execution of the action, so if you want to exit a n action after redirecting, you need to do something like "redirect_to(...)" and return". /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal/rendering. rb:15:in `render' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal/instrument ation.rb:41:in `block (2 levels) in render' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/core_ext/benchma rk.rb:12:in `block in ms' /home/vagrant/.rvm/rubies/ruby-2.2.0/lib/ruby/2.2.0/benchmark.rb:303:in `realtime' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/core_ext/benchma rk.rb:12:in `ms' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal/instrument ation.rb:41:in `block in render' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal/instrument ation.rb:84:in `cleanup_view_runtime' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activerecord-4.1.5/lib/active_record/railties/controlle r_runtime.rb:25:in `cleanup_view_runtime' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal/instrument ation.rb:40:in `render' /home/vagrant/foreman/app/controllers/api/base_controller.rb:86:in `not_found' /home/vagrant/foreman/app/controllers/api/base_controller.rb:230:in `block in not_found_if_nest ed_id_exists' /home/vagrant/foreman/app/controllers/api/base_controller.rb:228:in `each' /home/vagrant/foreman/app/controllers/api/base_controller.rb:228:in `not_found_if_nested_id_exi sts' /home/vagrant/foreman/app/controllers/api/base_controller.rb:216:in `find_optional_nested_objec t' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/callbacks.rb:424 :in `block in make_lambda' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/callbacks.rb:143 :in `call' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/callbacks.rb:143 :in `block in halting_and_conditional' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/callbacks.rb:149 :in `call' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/callbacks.rb:149 :in `block in halting_and_conditional' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/callbacks.rb:166 :in `call' /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/callbacks.rb:166 :in `block in halting'</pre>	

```
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:299
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:299
:in `block (2 levels) in halting'
| /home/vagrant/foreman/app/controllers/api/v2/base_controller.rb:152:in `disable_json_root'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:424
:in `block in make_lambda'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:298
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:298
:in `block in halting'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:166
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:166
:in `block in halting'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:149
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:149
:in `block in halting_and_conditional'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:229
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:229
:in `block in halting'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:299
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:299
:in `block (2 levels) in halting'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rails-observers-0.1.2/lib/rails/observers/action_controller/caching/sweeping.rb:73:in `around'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:447
:in `public_send'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:447
:in `block in make_lambda'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:298
:in `block in halting'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:299
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:299
:in `block (2 levels) in halting'
| /home/vagrant/foreman/app/controllers/concerns/application_shared.rb:13:in `set_timezone'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:424
:in `block in make_lambda'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:298
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:298
:in `block in halting'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:149
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:149
:in `block in halting_and_conditional'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:149
:in `block in halting_and_conditional'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:166
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:166
:in `block in halting'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:166
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:166
:in `block in halting'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:149
:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:149
:in `block in halting_and_conditional'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activestorage-4.1.5/lib/active_storage/callbacks.rb:166
```



```
:159:in `block in instrument'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/notifications/instrumenter.rb:20:in `instrument'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/notifications.rb:159:in `instrument'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal/instrumentation.rb:30:in `process_action'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal/params_wrapper.rb:250:in `process_action'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activerecord-4.1.5/lib/active_record/railties/controller_runtime.rb:18:in `process_action'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/abstract_controller/base.rb:136:in `process'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionview-4.1.5/lib/action_view/rendering.rb:30:in `process'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal.rb:196:in `dispatch'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal/rack_delegation.rb:13:in `dispatch'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_controller/metal.rb:232:in `block in action'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/routing/route_set.rb:82:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/routing/route_set.rb:82:in `dispatch'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/routing/route_set.rb:50:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/routing/mapper.rb:45:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/journey/router.rb:71:in `block in call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/journey/router.rb:59:in `each'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/journey/router.rb:59:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/routing/route_set.rb:678:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/static.rb:64:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/static.rb:64:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/apipie-rails-0.3.5/lib/apipie/static_dispatcher.rb:65:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/bullet-5.0.0/lib/bullet/rack.rb:12:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/apipie-rails-0.3.5/lib/apipie/extractor/recorder.rb:132:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/apipie-rails-0.3.5/lib/apipie/middleware/checksum_in_headers.rb:27:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-openid-1.4.2/lib/rack/openid.rb:98:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/etag.rb:23:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/conditionalget.rb:35:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/head.rb:11:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/params_parser.rb:27:in `call'
| /home/vagrant/foreman/lib/middleware/catch_json_parse_errors.rb:9:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/flash.rb:254:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/session/abstract/id.rb:225:in `context'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/session/abstract/id.rb:220:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/cookies.rb:560:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activerecord-4.1.5/lib/active_record/query_cache.rb:36:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activerecord-4.1.5/lib/active_record/connection_adapter/abstract/connection_pool.rb:621:in `call'
```

```

| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activerecord-4.1.5/lib/active_record/migration.rb:380:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/callbacks.rb:29:in `block in call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/callbacks.rb:82:in `run_callbacks'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/callbacks.rb:27:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/reloader.rb:73:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/remote_ip.rb:76:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/debug_exceptions.rb:17:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/show_exceptions.rb:30:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/railties-4.1.5/lib/rails/rack/logger.rb:38:in `call_app'
|
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/railties-4.1.5/lib/rails/rack/logger.rb:22:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/quiet_assets-1.1.0/lib/quiet_assets.rb:27:in `call_with_quiet_assets'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/request_id.rb:21:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/methodoverride.rb:21:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/runtime.rb:17:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/activesupport-4.1.5/lib/active_support/cache/strategy/local_cache_middleware.rb:26:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/lock.rb:17:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/actionpack-4.1.5/lib/action_dispatch/middleware/static.rb:64:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/sendfile.rb:112:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/railties-4.1.5/lib/rails/engine.rb:514:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/railties-4.1.5/lib/rails/application.rb:144:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/railties-4.1.5/lib/rails/railtie.rb:194:in `public_send'
|
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/railties-4.1.5/lib/rails/railtie.rb:194:in `method_missing'
|
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/builder.rb:138:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/urlmap.rb:65:in `block in call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `each'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/urlmap.rb:50:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/lock.rb:17:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/content_length.rb:14:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/rack-1.5.5/lib/rack/handler/webrick.rb:60:in `service'
| /home/vagrant/.rvm/rubies/ruby-2.2.0/lib/ruby/2.2.0/webrick/httpserver.rb:138:in `service'
| /home/vagrant/.rvm/rubies/ruby-2.2.0/lib/ruby/2.2.0/webrick/httpserver.rb:94:in `run'
| /home/vagrant/.rvm/rubies/ruby-2.2.0/lib/ruby/2.2.0/webrick/server.rb:294:in `block in start_thread'
read'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/logging-2.0.0/lib/logging/diagnostic_context.rb:448:in `call'
| /home/vagrant/.rvm/gems/ruby-2.2.0/gems/logging-2.0.0/lib/logging/diagnostic_context.rb:448:in `block in create_with_logging_context'
2016-02-09T14:45:14 [app] [I] Completed 500 Internal Server Error in 25ms
2016-02-09T14:45:14 [app] [F]
| ActionController::DoubleRenderError (Render and/or redirect were called multiple times in this action. Please note that you may only call render OR redirect, and at most once per action. Also note that neither redirect nor render terminate execution of the action, so if you want to exit an action after redirecting, you need to do something like "redirect_to(...)" and return.):
| app/controllers/api/v2/base_controller.rb:143:in `render_error'
| app/controllers/api/base_controller.rb:22:in `block in <class:BaseController>'
| lib/middleware/catch_json_parse_errors.rb:9:in `call'
|
|

```

Here is the JSON I used:

```
{
```

```
"environment_id": null,
"hostgroup_id": null,
"organization_id": 1,
"location_id": 2,
"name": "new hostname"
}
```

The problem appears to be here:

https://github.com/theforeman/foreman/blob/develop/app/controllers/api/base_controller.rb#L227-L233

If more than one of these special attributes are included and also null then the result is more than one render:

```
(byebug) allowed_nested_id
["hostgroup_id", "location_id", "organization_id", "environment_id"]
```

I would expect null attributes to be accepted and that they would remove the association. If this is not a valid assumption then the API should provide an appropriate error.

h3. Steps to Reproduce

1. PUT to a host with JSON similar to the above
2. Note 500 ISE

History

#1 - 08/05/2016 07:24 AM - Swapnil Abnave

Hi Walden,

I would expect null attributes to be accepted and that they would remove the association

Yes that should ideally work. I'll have a look at this.

1. PUT to a host with JSON similar to the above

I think the JSON structure needs to be per API documentation : <https://theforeman.org/api/1.12/apidoc/v2/hosts/update.html>

I tried with following JSON and it worked (didn't raise any 500 Error)

```
{
  "host": {
    "environment_id": null,
    "hostgroup_id": null,
    "organization_id": 1,
    "location_id": 2,
    "name": "new hostname"
  }
}
```

#2 - 08/08/2016 09:28 AM - Walden Raines

Swapnil Abnave wrote:

I think the JSON structure needs to be per API documentation : <https://theforeman.org/api/1.12/apidoc/v2/hosts/update.html>

We'll have to agree to disagree on the usefulness (read superfluousness) of wrapping everything in 'host' :)

#3 - 08/08/2016 09:30 AM - Walden Raines

Swapnil Abnave wrote:

I tried with following JSON and it worked (didn't raise any 500 Error)

Perhaps this has been fixed then? As long as you can supply null values to the API and it removes the association than I think we can call this fixed.

#4 - 09/06/2016 06:26 AM - Swapnil Abnave

Yes, `null` values are getting set with following request payload.

```
{
  "host": {
    "environment_id": null,
    "hostgroup_id": null,
    "organization_id": 1,
    "location_id": 2,
    "name": "new hostname"
  }
}
```

This issue can be closed.

#5 - 07/25/2017 03:13 AM - Amit Karsale

- *Status changed from New to Closed*

Closed based on the comments shared. If its still a bug feel free to re-open it.