

## Foreman - Bug #4622

### undefined method `match' for nil:NilClass (NoMethodError) creating override\_values via API

03/10/2014 06:44 PM - Matt Chesler

<b>Status:</b> New	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> API	
<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>	
<b>Description</b>	
When attempting to create an override_value via POST to APIv2, I get an error back.	
Request/Response:	
<pre>\$ curl -i -k -u user:password -H "Accept: version=2,application/json" -X POST -d '{"override_value": {"match": "fqdn=some.host.com", "value": "bar" }}' https://foreman.host.com/api/smart_class_parameters/40/override_values HTTP/1.1 500 Internal Server Error Date: Mon, 10 Mar 2014 18:41:48 GMT Server: Apache/2.2.15 (CentOS) Foreman_version: 1.4.1 Foreman_api_version: 2 X-UA-Compatible: IE=Edge,chrome=1 Cache-Control: no-cache X-Request-Id: e7ac0e3c1b33b8168db3cbd5ab456f4e X-Runtime: 0.072340 X-Rack-Cache: invalidate, pass X-Powered-By: Phusion Passenger 4.0.5 Set-Cookie: _session_id=23acf9b4e19c4c9d48f8de6a255627bf; path=/; HttpOnly Status: 500 Internal Server Error Connection: close Transfer-Encoding: chunked Content-Type: application/json; charset=utf-8  { "error": {"message": "undefined method `match' for nil:NilClass"} }</pre>	
Foreman log:	
<pre>Started POST "/api/smart_class_parameters/40/override_values" for 10.103.48.35 at 2014-03-10 14:35:37 -0400 Processing by Api::V2::OverrideValuesController#create as JSON Parameters: {"\"override_value\": { \"match\": \"fqdn\"=&gt;\"[FILTERED]\", \"apiv\"=&gt;\"v2\", \"smart_class_parameter_id\"=&gt;\"40\"} Authorized user user(User) undefined method `match' for nil:NilClass (NoMethodError) /usr/share/foreman/app/models/lookup_value.rb:59:in `ensure_fqdn_exists' /opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:451:in `_run__3863634365895626005__validate__517118823126062068__callbacks' /opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:405:in `_run_callback' /opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:385:in `_run_validate_callbacks' /opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:81:in `run_callbacks' /opt/rh/ruby193/root/usr/share/gems/gems/activemodel-3.2.8/lib/active_model/validations.rb:227:in `run_validations!' /opt/rh/ruby193/root/usr/share/gems/gems/activemodel-3.2.8/lib/active_model/validations/callbacks.rb:53:in `block in run_validations!' /opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:436:in `_run__3863634365895626005__validation__517118823126062068__callbacks' /opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:405:in `_run_callback' /opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:385:in `_run_validation_callbacks'</pre>	

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/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:81:in `run_callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activemodel-3.2.8/lib/active_model/validations/callbacks.rb:53:in `run_validations!'
/opt/rh/ruby193/root/usr/share/gems/gems/activemodel-3.2.8/lib/active_model/validations.rb:194:in `valid?'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/validations.rb:69:in `valid?'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/validations.rb:77:in `perform_validations'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/validations.rb:56:in `save!'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/attribute_methods/dirty.rb:33:in `save!'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:246:in `block in save!'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:295:in `block in
with_transaction_returning_status'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/database_statements.rb
:192:in `transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:208:in `transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:293:in
`with_transaction_returning_status'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:246:in `save!'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/associations/has_many_association.rb:14:in
`insert_record'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/associations/collection_association.rb:434:in `block (2
levels) in create_record'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/associations/collection_association.rb:342:in
`add_to_target'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/associations/collection_association.rb:432:in `block in
create_record'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/associations/collection_association.rb:149:in `block in
transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/connection_adapters/abstract/database_statements.rb
:192:in `transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/transactions.rb:208:in `transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/associations/collection_association.rb:148:in
`transaction'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/associations/collection_association.rb:431:in
`create_record'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/associations/collection_association.rb:123:in `create!'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/associations/collection_proxy.rb:46:in `create!'
/usr/share/foreman/app/controllers/api/v2/override_values_controller.rb:45:in `create'
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action_controller/metal/implicit_render.rb:4:in `send_action'
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/abstract_controller/base.rb:167:in `process_action'
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action_controller/metal/rendering.rb:10:in `process_action'
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/abstract_controller/callbacks.rb:18:in `block in process_action'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:593:in `block (3 levels) in run
__3604679646837785727__process_action__4464306149527777317__callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:215:in `block in
conditional_callback_around_5432'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:326:in `around'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:310:in `_callback_around_1281'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:214:in
`conditional_callback_around_5432'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:449:in `block (2 levels) in _run
__3604679646837785727__process_action__4464306149527777317__callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:215:in `block in
conditional_callback_around_5431'
/usr/share/foreman/app/models/concerns/foreman/thread_session.rb:33:in `clear_thread'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:214:in
`conditional_callback_around_5431'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:404:in `block in _run
__3604679646837785727__process_action__4464306149527777317__callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:215:in `block in
conditional_callback_around_5430'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:326:in `around'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:310:in `_callback_around_13'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:214:in
`conditional_callback_around_5430'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:403:in `_run
__3604679646837785727__process_action__4464306149527777317__callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:405:in `_run_callback'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_support/callbacks.rb:385:in `_run_process_action_callbacks'
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/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_support/callbacks.rb:81:in `run\_callbacks'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/abstract\_controller/callbacks.rb:17:in `process\_action'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_controller/metal/rescue.rb:29:in `process\_action'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_controller/metal/instrumentation.rb:30:in `block in process\_action'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_support/notifications.rb:123:in `block in instrument'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_support/notifications/instrumenter.rb:20:in `instrument'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_support/notifications.rb:123:in `instrument'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_controller/metal/instrumentation.rb:29:in `process\_action'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_controller/metal/params\_wrapper.rb:207:in `process\_action'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_record/railties/controller\_runtime.rb:18:in `process\_action'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/abstract\_controller/base.rb:121:in `process'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/abstract\_controller/rendering.rb:45:in `process'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_controller/metal.rb:203:in `dispatch'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_controller/metal/rack\_delegation.rb:14:in `dispatch'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_controller/metal.rb:246:in `block in action'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/routing/route\_set.rb:73:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/routing/route\_set.rb:73:in `dispatch'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/routing/route\_set.rb:36:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/routing/mapper.rb:42:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/journey-1.0.4/lib/journey/router.rb:68:in `block in call'  
/opt/rh/ruby193/root/usr/share/gems/gems/journey-1.0.4/lib/journey/router.rb:56:in `each'  
/opt/rh/ruby193/root/usr/share/gems/gems/journey-1.0.4/lib/journey/router.rb:56:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/routing/route\_set.rb:600:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/apipie-rails-0.0.23/lib/apipie/static\_dispatcher.rb:56:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/best\_standards\_support.rb:17:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/etag.rb:23:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/conditionalget.rb:35:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/head.rb:14:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/params\_parser.rb:21:in `call'  
/usr/share/foreman/lib/middleware/catch\_json\_parse\_errors.rb:9:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/flash.rb:242:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/session/abstract/id.rb:205:in `context'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/session/abstract/id.rb:200:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/cookies.rb:339:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_record/query\_cache.rb:64:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_record/connection\_adapters/abstract/connection\_pool.rb:473:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/callbacks.rb:28:in `block in call'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_support/callbacks.rb:405:in  
`\_run\_\_3312294320821793902\_\_call\_\_517118823126062068\_\_callbacks'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_support/callbacks.rb:405:in `\_\_run\_callback'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_support/callbacks.rb:385:in `\_run\_call\_callbacks'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_support/callbacks.rb:81:in `run\_callbacks'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/callbacks.rb:27:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/remote\_ip.rb:31:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/debug\_exceptions.rb:16:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/show\_exceptions.rb:56:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/railties-3.2.8/lib/rails/rack/logger.rb:26:in `call\_app'  
/opt/rh/ruby193/root/usr/share/gems/gems/railties-3.2.8/lib/rails/rack/logger.rb:16:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/request\_id.rb:22:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/methodoverride.rb:21:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/runtime.rb:17:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active\_support/cache/strategy/local\_cache.rb:72:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/lock.rb:15:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action\_dispatch/middleware/static.rb:62:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-cache-1.2/lib/rack/cache/context.rb:136:in `forward'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-cache-1.2/lib/rack/cache/context.rb:143:in `pass'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-cache-1.2/lib/rack/cache/context.rb:155:in `invalidate'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-cache-1.2/lib/rack/cache/context.rb:71:in `call!'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-cache-1.2/lib/rack/cache/context.rb:51:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/railties-3.2.8/lib/rails/engine.rb:479:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/railties-3.2.8/lib/rails/application.rb:223:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/railties-3.2.8/lib/rails/railtie/configurable.rb:30:in `method\_missing'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/builder.rb:134:in `call'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/urlmap.rb:64:in `block in call'  
/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/urlmap.rb:49:in `each'

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/opt/rh/ruby193/root/usr/share/gems/gems/rack-1.4.1/lib/rack/urlmap.rb:49:in `call'  
/usr/lib/ruby/gems/1.8/gems/passenger-4.0.5/lib/phusion_passenger/rack/thread_handler_extension.rb:77:in `process_request'  
/usr/lib/ruby/gems/1.8/gems/passenger-4.0.5/lib/phusion_passenger/request_handler/thread_handler.rb:140:in  
`accept_and_process_next_request'  
/usr/lib/ruby/gems/1.8/gems/passenger-4.0.5/lib/phusion_passenger/request_handler/thread_handler.rb:108:in `main_loop'  
/usr/lib/ruby/gems/1.8/gems/passenger-4.0.5/lib/phusion_passenger/request_handler.rb:441:in `block (3 levels) in start_threads'  
Rendered api/v2/errors/standard_error.json.rabl within api/v2/layouts/error_layout (1.4ms)  
Completed 500 Internal Server Error in 75ms (Views: 3.4ms | ActiveRecord: 14.4ms)
```

## History

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### #1 - 03/10/2014 06:50 PM - Dominic Cleal

Can you try adding: -H "Content-Type: application/json"

### #2 - 03/10/2014 06:56 PM - Matt Chesler

That does it Dominic. Thanks! This should definitely be added to the documentation. The example at <http://theforeman.org/manuals/1.4/index.html#5.1.1CRUDRequestExamples> doesn't show anything about Content-Type.

### #3 - 03/11/2014 08:21 AM - Dominic Cleal

- Subject changed from *Error creating override\_values via API to undefined method `match' for nil:NilClass (NoMethodError) creating override\_values via API*

Oops, well spotted. I've updated the website, thanks!

Will leave this bug open, as Foreman shouldn't return a 500 internal server error in this instance anyway.