Foreman - Bug #3773

puppet class key update type change results in default_value invalid (1.2.2)

11/27/2013 04:55 PM - Jon Shanks

Status:	Duplicate		
Priority:	Normal		
Assignee:			
Category:	Puppet integration		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

If a module has been imported and the key types are identified for that puppet class but they change i.e. they alter from an array to a string or maybe to a null value i.e. false. It fails to update the DB accordingly with the new changes.

class ntp($packages = []) { }

Results in:

SELECT DISTINCT "lookup_keys".* FROM "lookup_keys" INNER JOIN "environment_classes" ON "lookup_keys"."id" = "environment_classes"."lookup_key_id" WHERE "environment_classes"."puppetclass_id" = 99 AND "lookup_keys"."key" = 'packages' AND (environment_classes.lookup_key_id is NOT NULL) ORDER BY lookup_keys.key LIMIT 1;
id | key | created_at | updated_at | puppetclass_id | default_value | path | description | validator_type | validator_rule | is_param | key_type | override | required | lookup_values_count
-----+----------+----------------------------+----------------------------+----------------+---------------+------+-------------+
----------------+----------------+----------+----------+----------+----------+--------------------
292 | packages | 2013-10-03 09:44:35.514242 | 2013-10-03 09:44:35.514242 | | --- [] | | | | | t | array | f | f | 0

Override is set to false:

```
def update_parameter(db_class, changed_params)
    changed_params["updated"].each do |param_name, value|
      key = db_class.class_params.find_by_key param_name
      if key.override == false
        key.default_value = value
        key.save!
        fh.close
      end
    end
  end
```

If the code alters to

class ntp($packages = false) { } or class ntp($packages = 'anything') { }

When the import shows that there are updates to NTP, it then throws an error. This seems to be due to the fact that it's type has altered from an array to something different i.e. string, or maybe boolean.

```
LookupKey Load (2.0ms)  SELECT DISTINCT "lookup_keys".* FROM "lookup_keys" INNER JOIN "environment
_classes" ON "lookup_keys"."id" = "environment_classes"."lookup_key_id" WHERE "environment_classes
"."puppetclass_id" = 99 AND "lookup_keys"."key" = 'packages' AND (environment_classes.lookup_key_i
d is NOT NULL) ORDER BY lookup_keys.key LIMIT 1
   (0.8ms)  BEGIN
   (0.7ms)  ROLLBACK
Operation FAILED: Validation failed: Default value is invalid
/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/di
rty.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!'
/usr/share/foreman/app/models/puppet_class_importer.rb:214:in `block in update_parameter'
/usr/share/foreman/app/models/puppet_class_importer.rb:206:in `each'
/usr/share/foreman/app/models/puppet_class_importer.rb:206:in `update_parameter'
/usr/share/foreman/app/models/puppet_class_importer.rb:201:in `block in update_classes_in_foreman'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/relation/delegation.
rb:6:in `each'
/opt/rh/ruby193/root/usr/share/gems/gems/activerecord-3.2.8/lib/active_record/relation/delegation.
rb:6:in `each'
/usr/share/foreman/app/models/puppet_class_importer.rb:194:in `update_classes_in_foreman'
/usr/share/foreman/app/models/puppet_class_importer.rb:54:in `block in obsolete_and_new'
/usr/share/foreman/app/models/puppet_class_importer.rb:46:in `each'
/usr/share/foreman/app/models/puppet_class_importer.rb:46:in `obsolete_and_new'
/usr/share/foreman/lib/foreman/controller/environments.rb:28:in `obsolete_and_new'
/opt/rh/ruby193/root/usr/share/gems/gems/actionpack-3.2.8/lib/action_controller/metal/implicit_ren
der.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/activesupport-3.2.8/lib/active_support/callbacks.rb:527:i
n `block (3 levels) in run_3890897385267331029__process_action__4051149281358796367__callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:215:i
n `block in conditional_callback_around_5615'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:326:i
n `around'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:310:i
n `_callback_around_5443'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:214:i
n `_conditional_callback_around_5615'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:526:i
n `block (2 levels) in _run_3890897385267331029__process_action__4051149281358796367__callbacks'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:215:i
n `block in conditional_callback_around_5614'
/usr/share/foreman/lib/foreman/thread_session.rb:31:in `clear_thread'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:214:i
n `_conditional_callback_around_5614'
/opt/rh/ruby193/root/usr/share/gems/gems/activesupport-3.2.8/lib/active_support/callbacks.rb:415:i
n `block in _run_3890897385267331029__process_action__4051149281358796367__callbacks'
```

Related issues:

Is duplicate of Foreman - Bug #2758: On class reimport, Foreman runs class pa...	**Closed**	**07/08/2013**

History

#1 - 11/27/2013 04:58 PM - Dominic Cleal

- Category set to Puppet integration

- Status changed from New to Feedback

Dupe of #2758 I think, can you confirm please?

#2 - 11/27/2013 05:09 PM - Jon Shanks

Fast response!

Yep, that is it actually. Fixed in 1.3 then.

Will upgrade.

Thanks

Jon

#3 - 11/27/2013 05:12 PM - Dominic Cleal

- Is duplicate of Bug #2758: On class reimport, Foreman runs class parameter validations even when parameter override is disabled added

#4 - 11/27/2013 05:12 PM - Dominic Cleal

- Status changed from Feedback to Duplicate

Great, thanks.