Foreman - Bug #14761

_timestamp fact prevents facts upload through Foreman facts update

04/21/2016 11:24 AM - Michael Brown

Status:	Duplicate		
Priority:	High		
Assignee:			
Category:	Facts		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	1.10.3
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

Taken from thread in Foreman users mailing list: https://groups.google.com/forum/?hl=en#!topic/foreman-users/ABA18RmYets

Upload of facts from host to Foreman is working « only the first time », when I validate a new host certificate on Foreman web UI. After that, there is no more facts updates.

Exception : All is working fine for the local server facts (= for the server hosting foreman).

The error is : ActiveRecord::RecordInvalid: Validation failed: Fact name has already been taken

When I inserted logging into the affected file (/usr/share/foreman/app/services/fact_importer.rb), it showed this result:

2016-04-20 20:19:49 [app] [I] facts_to_create called for fact '_timestamp'
2016-04-20 20:19:49 [app] [W] Action failed | ActiveRecord::RecordInvalid: Validation failed: Fact name has already been taken

When I looked through the YAML file on the host, it had this fact in it:
"_timestamp": 2016-04-20 20:19:48.685814 +00:00

A colleague was searching out the "_timestamp" issue, and discovered it's a "hidden" fact that puppet agent sends to the puppet master.

It's in the 3.x versions of Puppet, but deprecated and removed from Puppet 4.

https://tickets.puppetlabs.com/browse/PDB-337
https://tickets.puppetlabs.com/browse/PUP-3129
https://tickets.puppetlabs.com/browse/PUP-3130

The timestamp is not displayed as part of the Foreman stored facts (either in the GUI or via hammer fact list --search host={hostname}. However, it seems that Foreman does use a timestamp in some fashion, and this is where the conflict comes from, which prevents the foreman report processor from adding new facts to the host facts.

1. pwd && grep -r "_timestamp" * | grep -v "log"
   /usr/share/foreman
   app/models/host_status/status.rb: before_validation :update_timestamp, :if => ->(status) { status.reported_at.blank? }
   app/models/host_status/status.rb: update_timestamp
   app/models/host_status/status.rb: def update_timestamp
   app/models/host_status/configuration_status.rb: def update_timestamp
   app/models/fact_value.rb: scope :no_timestamp_facts, lambda {
   app/models/fact_value.rb: includes(:fact_name).where("fact_names.name <> ?",:_timestamp)
   app/models/fact_value.rb: joins(:fact_name).where("fact_names.name = ?",:_timestamp)
   app/models/fact_name.rb: scope :no_timestamp_fact, -> { where("fact_names.name <> ?",:_timestamp) }
   app/models/fact_name.rb: scope :timestamp_facts, -> { where(:name => :_timestamp) }
   app/models/host/base.rb: time = facts[:_timestamp]
   app/controllers/api/v2/fact_values_controller.rb: no_timestamp_facts.
   app/controllers/api/v1/fact_values_controller.rb: no_timestamp_facts.
   app/controllers/fact_values_controller.rb: base = resource_base.no_timestamp_facts
   app/controllers/fact_values_controller.rb: @fact_values = values.no_timestamp_facts.required_fields.paginate :page =>

```
        params[:page]
        app/controllers/facts_controller.rb:    render :json => FactName.no_timestamp_fact
        app/helpers/trends_helper.rb:         next_timestamp = counter.try(:interval_end) || Time.now
        app/helpers/trends_helper.rb:         data << [next_timestamp.to_i*1000 - 1, counter.count]
        app/views/users/_user_fact.html.erb:      <%= f.collection_select :fact_name_id, FactName.no_timestamp_fact, :id, :name, {},
        :class => "form-control" >
        app/views/trends/_form.html.erb: <= select_f(f, :trendable_id, FactName.no_timestamp_fact, :id, :name, { :include_blank =>
        true }, :disabled => true) %>
        lib/timed_cached_store.rb:      delete_if_expired($1) if key =~ /(\w+)_timestamp/
        lib/timed_cached_store.rb:      "#{name}_timestamp"
        lib/tasks/convert.rake:         DevelopmentModelClass.record_timestamps = false
        and

pwd && grep -r "_timestamp" *
```

/usr/share/katello-installer

modules/foreman/spec/static_fixtures/fake.host.fqdn.com.yaml: !ruby/sym "_timestamp": 2013-08-02 18:40:14.147766 +01:00

Our puppet version is 3.8.6, and this prevents any updates on host facts beyond the initial checkin.

Related issues:		
Is duplicate of Foreman - Bug #13819: Fact imports fail with: Validation fail...	**Closed**	**02/20/2016**

History

#1 - 04/22/2016 02:48 AM - Dominic Cleal

- Is duplicate of Bug #13819: Fact imports fail with: Validation failed: Fact name has already been taken added

#2 - 04/22/2016 02:49 AM - Dominic Cleal

- Status changed from New to Duplicate

- translation missing: en.field_release deleted (152)

Thanks for the report and extra details, this is being tracked under ticket #13819.