

Foreman - Refactor #16792

Don't modify AR record attributes in-place during normalisation

10/04/2016 10:19 AM - Dominic Cleal

Status: Closed	
Priority: Normal	
Assignee: Dominic Cleal	
Category: Rails	
Target version: 1.15.0	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request: https://github.com/foreman/foreman/pull/3915	
Description	
<p>Rails 5 now prefers to call #freeze on any string passed in as an attribute during validation, but this means attributes must not be edited in-place with gsub! and similar methods. Some of the pre-validation methods used to normalise hostnames, OS names etc will attempt to modify attributes in-place with gsub!, e.g.</p>	
<pre>HostsControllerTest::Fog.mock!#test_0001_#process_hostgroup changes compute attributes: RuntimeError: can't modify frozen String app/models/nic/interface.rb:101:in `gsub!' app/models/nic/interface.rb:101:in `normalize_name' app/models/concerns/orchestration.rb:77:in `valid?' app/models/concerns/orchestration.rb:77:in `valid?' app/models/concerns/foreman/sti.rb:29:in `save_with_type' app/models/host.rb:15:in `method_missing' test/functional/hosts_controller_test.rb:1271:in `initialize_host'</pre>	
<p>Prefer instead to retrieve and set the attribute through the regular attribute setter API (resource.foo = resource.foo.gsub(..)).</p>	
<p>https://github.com/rails/rails/issues/24185 and related tickets have more info.</p>	

Associated revisions

Revision 976bf6e0 - 12/21/2016 10:42 AM - Dominic Cleal

fixes #16792 - don't modify AR record attributes in-place

Rails 5 may call #freeze on strings passed in as an attribute during validation, so attributes must not be edited in-place with gsub! and similar methods.

History

#1 - 10/04/2016 10:28 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing
- Pull request <https://github.com/foreman/foreman/pull/3915> added

#2 - 12/21/2016 11:02 AM - Dominic Cleal

- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset [976bf6e0bdfa4a69fc76ee312060f815a6b7868](#).

#3 - 12/22/2016 03:58 AM - Dominic Cleal

- translation missing: en.field_release set to 209